

# [MS-PPSAPP]: PerformancePoint Services Application Server Protocol Specification

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## Revision Summary

Date	Revision History	Revision Class	Comments
07/13/2009	0.1	Major	Initial Availability
08/28/2009	0.2	Editorial	Revised and edited the technical content
11/06/2009	0.3	Editorial	Revised and edited the technical content
02/19/2010	1.0	Major	Updated and revised the technical content
03/31/2010	1.01	Editorial	Revised and edited the technical content
04/30/2010	1.02	Editorial	Revised and edited the technical content
06/07/2010	1.03	Minor	Updated the technical content
06/29/2010	1.04	Editorial	Changed language and formatting in the technical content.
07/23/2010	1.04	No change	No changes to the meaning, language, or formatting of the technical content.
09/27/2010	1.04	No change	No changes to the meaning, language, or formatting of the technical content.
11/15/2010	1.04	No change	No changes to the meaning, language, or formatting of the technical content.
12/17/2010	1.04	No change	No changes to the meaning, language, or formatting of the technical content.

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# 1 Introduction

This document specifies the PerformancePoint Services Application Server Protocol, which is a Windows Communication Foundation (WCF) protocol that is used to read from, write to, and perform basic operations on **dashboards** hosted on a protocol server.

## 1.1 Glossary

The following terms are defined in [\[MS-GLOS\]](#):

- globally unique identifier (GUID)**
- Hypertext Transfer Protocol (HTTP)**
- Hypertext Transfer Protocol over Secure Sockets Layer (HTTPS) server**
- Transmission Control Protocol (TCP)**

The following terms are defined in [\[MS-OFCSGLOS\]](#):

- absolute URL**
- Analysis Services**
- application server**
- assembly**
- banding**
- Boolean**
- cascading style sheet (CSS)**
- cell**
- context site**
- cube**
- dashboard**
- data source**
- data table**
- dimension**
- endpoint**
- feature**
- filter**
- hierarchy**
- JavaScript Object Notation (JSON)**
- key performance indicator (KPI)**
- list**
- list item**
- measure**
- member**
- MIME (Multipurpose Internet Mail Extensions)**
- multidimensional expression (MDX)**
- node**
- OLAP**
- query**
- relative path**
- report**
- report view**
- rollup**
- score**
- scorecard**
- slice**
- SOAP (Simple Object Access Protocol)**

**SOAP action**  
**SOAP body**  
**SOAP fault**  
**SOAP fault detail**  
**target**  
**transform**  
**UI culture**  
**Unified Modeling Language (UML)**  
**URI (Uniform Resource Identifier)**  
**Web control**  
**Web Part**  
**Web server**  
**WSDL message**  
**WSDL operation**  
**XML Schema**

The following terms are specific to this document:

**named set:** A grouping of dimension members or items from a data source that are named and treated as a single unit and can be referenced or reused multiple times.

**MAY, SHOULD, MUST, SHOULD NOT, MUST NOT:** These terms (in all caps) are used as described in [\[RFC2119\]](#). All statements of optional behavior use either MAY, SHOULD, or SHOULD NOT.

## 1.2 References

### 1.2.1 Normative References

We conduct frequent surveys of the normative references to assure their continued availability. If you have any issue with finding a normative reference, please contact [dochelp@microsoft.com](mailto:dochelp@microsoft.com). We will assist you in finding the relevant information. Please check the archive site, <http://msdn2.microsoft.com/en-us/library/E4BD6494-06AD-4aed-9823-445E921C9624>, as an additional source.

[HTML] World Wide Web Consortium, "HTML 4.01 Specification", December 1999, <http://www.w3.org/TR/html4/>

[MS-EMMWCF] Microsoft Corporation, "[Metadata Shared Service WCF Service Protocol Specification](#)", July 2009.

[MS-PPSAS] Microsoft Corporation, "[PerformancePoint Services AuthoringService Protocol Specification](#)", July 2009.

[MS-PPSDECO] Microsoft Corporation, "[PerformancePoint Services Decomposition Tree Protocol Specification](#)", July 2009.

[MS-PPTX] Microsoft Corporation, "[PowerPoint Extensions to the Office Open XML File Format \(.pptx\) Specification](#)", July 2009.

[MS-SPSTWS] Microsoft Corporation, "[SharePoint Security Token Service Web Service Protocol Specification](#)", July 2009.

[MS-XLSX] Microsoft Corporation, "[Excel Extensions to the Office Open XML SpreadsheetML File Format \(.xlsx\) Specification](#)", July 2009.

[MS-XSSK] Microsoft Corporation, "[XML Serialization of Synchronization Knowledge Specification](#)", July 2009.

[RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", BCP 14, RFC 2119, March 1997, <http://www.ietf.org/rfc/rfc2119.txt>

[RFC2616] Fielding, R., Gettys, J., Mogul, J., et al., "Hypertext Transfer Protocol -- HTTP/1.1", RFC 2616, June 1999, <http://www.ietf.org/rfc/rfc2616.txt>

[RFC4627] Crockford, D., "The application/json Media Type for Javascript Object Notation (JSON)", RFC 4627, July 2006, <http://www.ietf.org/rfc/rfc4627.txt>

[SOAP1.1] Box, D., Ehnebuske, D., Kakivaya, G., et al., "Simple Object Access Protocol (SOAP) 1.1", May 2000, <http://www.w3.org/TR/2000/NOTE-SOAP-20000508/>

[SOAP1.2/1] Gudgin, M., Hadley, M., Mendelsohn, N., Moreau, J., and Nielsen, H.F., "SOAP Version 1.2 Part 1: Messaging Framework", W3C Recommendation, June 2003, <http://www.w3.org/TR/2003/REC-soap12-part1-20030624>

[SOAP1.2/2] Gudgin, M., Hadley, M., Mendelsohn, N., Moreau, J., and Nielsen, H.F., "SOAP Version 1.2 Part 2: Adjuncts", W3C Recommendation, June 2003, <http://www.w3.org/TR/2003/REC-soap12-part2-20030624>

[W3C-XSD] World Wide Web Consortium, "XML Schema Part 2: Datatypes Second Edition", October 2004, <http://www.w3.org/TR/2004/REC-xmlschema-2-20041028/>

[WSAddressing] Box, D., Christensen, E., Ferguson, D., et al., "Web Services Addressing (WS-Addressing)", August 2004, <http://www.w3.org/Submission/ws-addressing/>

If you have any trouble finding [WSAddressing], please check [here](#).

[WSDL] Christensen, E., Curbera, F., Meredith, G., and Weerawarana, S., "Web Services Description Language (WSDL) 1.1", W3C Note, March 2001, <http://www.w3.org/TR/2001/NOTE-wsdl-20010315>

[XMLNS] World Wide Web Consortium, "Namespaces in XML 1.0 (Third Edition)", W3C Recommendation 8 December 2009, <http://www.w3.org/TR/REC-xml-names/>

[XMLSCHEMA1] Thompson, H.S., Ed., Beech, D., Ed., Maloney, M., Ed., and Mendelsohn, N., Ed., "XML Schema Part 1: Structures", W3C Recommendation, May 2001, <http://www.w3.org/TR/2001/REC-xmlschema-1-20010502/>

[XMLSCHEMA2] Biron, P.V., Ed. and Malhotra, A., Ed., "XML Schema Part 2: Datatypes", W3C Recommendation, May 2001, <http://www.w3.org/TR/2001/REC-xmlschema-2-20010502/>

## 1.2.2 Informative References

[MC-NMF] Microsoft Corporation, "[.NET Message Framing Protocol Specification](#)", October 2007.

[MS-GLOS] Microsoft Corporation, "[Windows Protocols Master Glossary](#)", March 2007.

[MS-OFCGLOS] Microsoft Corporation, "[Microsoft Office Master Glossary](#)", June 2008.

[MS-SPTWS] Microsoft Corporation, "[Service Platform Topology Web Service Protocol Specification](#)", July 2009.

[RFC2818] Rescorla, E., "HTTP Over TLS", RFC 2818, May 2000, <http://www.ietf.org/rfc/rfc2818.txt>

### 1.3 Protocol Overview (Synopsis)

Business intelligence platforms typically support workflow whereby a user creates and publishes content representing business performance indicators, reports in a variety of forms, and data source references. This content is composed of metadata (such as names of dimensions or measures, or the names of data source references), calculation definitions, and formatting information (such as color or layout.)

This protocol enables a protocol client to:

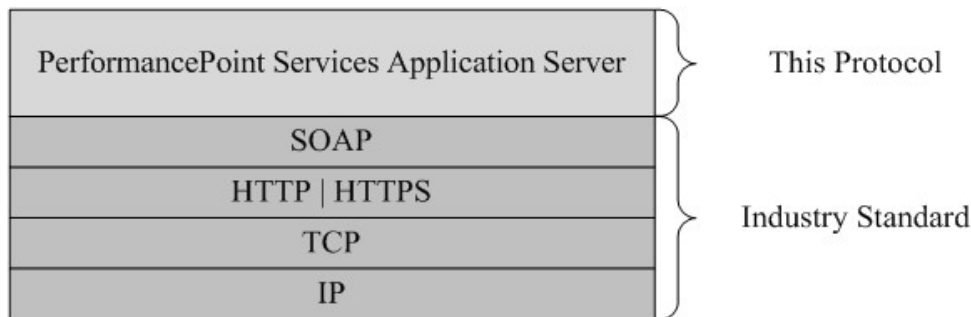
- Create, read, update, validate and delete a variety of business logic content in a content store that exists on the protocol server. The types and sub-types of business logic content were summarized previously, and described in detail in Common Message Syntax (section [2.2](#))
- Create, read, update, and delete annotations, or comments, stored on the protocol server.
- Retrieve metadata, such as the names of dimensions or measures, via data source references.
- Retrieve a listing of content sub-types and Settings (section [2.2.4.20](#)) information from a configuration store on the protocol server.

A typical scenario for using this protocol is an extensible content editing application that enables users to create, publish and maintain some of the content used in a larger business intelligence system.

### 1.4 Relationship to Other Protocols

This protocol uses the **SOAP** message protocol for formatting request and response messages, as described in [\[SOAP1.1\]](#), [\[SOAP1.2/1\]](#) and [\[SOAP1.2/2\]](#). It transmits those messages by using **HTTP**, as described in [\[RFC2616\]](#), **HTTPS**, as described in [\[RFC2818\]](#), or **TCP**, as described in [\[MC-NMF\]](#).

The following diagram shows the underlying messaging and transport stack that the protocol uses:



**Figure 1: This protocol in relation to other protocols**

### 1.5 Prerequisites/Preconditions

This protocol operates against a protocol server that exposes one or more **endpoint (4) URIs** that are known by protocol clients. The endpoint (4) URI of the protocol server and the transport that is used by the protocol server are either known by the protocol client or obtained by using the discovery mechanism that is described in [\[MS-SPTWS\]](#).

The protocol client obtains the requisite ApplicationClassId and ApplicationVersion values and the endpoint (4) URI of the protocol server that provides the discovery mechanism, as described in [MS-SPTWS], by means that are independent of either protocol.

This protocol requires the protocol client to have appropriate permission to call the methods on the protocol server.

The protocol client implements the token-based security mechanisms that are required by the protocol server and related security protocols, as described in [\[MS-SPSTWS\]](#).

## 1.6 Applicability Statement

This protocol is designed for communication between **Web server** and **application server** in a multi-tier configuration where the protocol client is running on the Web server. Due to the complexity of some of the types used in the protocol and the typically large amount of metadata associated with business intelligence platforms, this protocol is designed for use by protocol clients connected by high-bandwidth, low-latency network connections.

## 1.7 Versioning and Capability Negotiation

This document covers versioning issues in the following areas:

- **Supported Transports:** This protocol can be implemented by using transports that support sending SOAP messages, as specified in section [2.1](#).
- **Protocol Versions:** This protocol is not versioned.

**Capability Negotiation:** This protocol does not support version negotiation.

## 1.8 Vendor-Extensible Fields

None.

## 1.9 Standards Assignments

None.

## 2 Messages

Occasionally, instances occur where this web service's WSDL specifies optionality (for example, `minOccurs="0"` and `maxOccurs="1"`) that conflicts with the stated behavior in this document, or the document doesn't contain the stated behavior. In such cases, where the document and the WSDL conflict, the document takes precedence. In cases where the document doesn't specify optionality, the argument has to be present, even if the WSDL specifies that the argument is optional (for example, `minOccurs="0"`).

In cases where an argument is optional and the WSDL specifies both `"minOccurs=0"` and `"Nillable=true"`, treat the argument as only `"minOccurs=0"`.

### 2.1 Transport

Protocol servers **MUST** support SOAP over HTTP, HTTPS, or TCP.

All protocol messages **MUST** be transported by using HTTP or TCP bindings at the transport level.

Protocol messages **MUST** be formatted as specified in either [\[SOAP1.1\]](#) section 4 or [\[SOAP1.2/1\]](#) section 5. Protocol server faults **MUST** be returned by using HTTP status codes, as specified in [\[RFC2616\]](#) section 10, or **SOAP faults**, as specified in [\[SOAP1.1\]](#) section 4.4 or [\[SOAP1.2/1\]](#) section 5.4.

If the HTTPS transport is used, a server certificate **MUST** be deployed.

This protocol **MAY** transmit an additional SOAP header, the **ServiceContext** header, as specified in [\[MS-SPSTWS\]](#).

This protocol does not define any means for activating a protocol server or protocol client. The protocol server **MUST** be configured and begin listening in an implementation-specific way. In addition, the protocol client **MUST** know the format and transport that is used by the server, for example, the SOAP format over an HTTP transport.

### 2.2 Common Message Syntax

This section contains common definitions used by this protocol. The syntax of the definitions uses the XML Schema as defined in [\[XMLSCHEMA1\]](#) and [\[XMLSCHEMA2\]](#), and Web Services Description Language as defined in [\[WSDL\]](#).

#### 2.2.1 Namespaces

Prefix	Namespace URI	Reference
xsd	<a href="http://www.w3.org/2001/XMLSchema">http://www.w3.org/2001/XMLSchema</a>	<a href="#">[XMLSCHEMA1]</a> <a href="#">[XMLSCHEMA2]</a>
ser	<a href="http://schemas.microsoft.com/2003/10/Serialization/">http://schemas.microsoft.com/2003/10/Serialization/</a>	<a href="#">[MS-XSSK]</a>
a	<a href="http://www.w3.org/2005/08/addressing">http://www.w3.org/2005/08/addressing</a>	<a href="#">[WSAddressing]</a>
tns	<a href="http://www.microsoft.com/performancepoint/scorecards">http://www.microsoft.com/performancepoint/scorecards</a>	<a href="#">[MS-PPSAS]</a>
tns4	<a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a>	[X400]
xs	<a href="http://www.w3.org/2001/XMLSchema">http://www.w3.org/2001/XMLSchema</a>	<a href="#">[XMLSCHEMA1]</a> <a href="#">[XMLSCHEMA2]</a>



Prefix	Namespace URI	Reference
wsam	http://www.w3.org/2007/05/addressing/metadata	<a href="#">[MS-EMMWCF]</a>
soap	http://schemas.xmlsoap.org/wsdl/soap/	<a href="#">[SOAP1.1]</a>
soap12	http://schemas.xmlsoap.org/wsdl/soap12/	<a href="#">[SOAP1.2/1]</a> <a href="#">[SOAP1.2/2]</a>
q	http://microsoft.com/wsdl/types/	<a href="#">[W3C-XSD]</a> <a href="#">[XMLSCHEMA2]</a>
wsdl	http://schemas.xmlsoap.org/wsdl/	<a href="#">[WSDL]</a>
tns	http://schemas.datacontract.org/2004/07/System	[X400]
q	http://schemas.datacontract.org/2004/07/System	[X400]

## 2.2.2 Messages

The following table summarizes common WSDL messages defined by this specification.

Message	Description
SOAP fault	The operations defined in section <a href="#">3.1.4</a> return a SOAP fault as specified in section <a href="#">2.2.9</a> .

## 2.2.3 Elements

This specification does not define any common XML Schema element definitions.

## 2.2.4 Complex Types

The following table summarizes the set of common XML Schema complex type definitions defined by this specification. XML Schema complex type definitions that are specific to a particular operation are described with the operation.

Complex Type	Description
AliasInfo	Maps a KpiMeasure to a string. Specified in <a href="#">[MS-PPSAS]</a> .
Annotation	Associates a collection of comments to a particular <b>slice</b> of a scorecard. Specified in <a href="#">[MS-PPSAS]</a> .
AnnotationComment	A comment for an Annotation. Specified in <a href="#">[MS-PPSAS]</a> .
ArrayOfAliasInfo	An array of AliasInfo complex types. Specified in <a href="#">[MS-PPSAS]</a> .
ArrayOfAnnotationComment	An array of AnnotationComment elements. Specified in <a href="#">[MS-PPSAS]</a> .
ArrayOfArrayOfString	An array of ArrayOfString elements.
ArrayOfBpmProperty	An array of BpmProperty elements. Specified in <a href="#">[MS-PPSAS]</a> .
ArrayOfChoice1	An array of property values. Specified in <a href="#">[MS-PPSAS]</a> .
ArrayOfComment	An array of comments. Specified in <a href="#">[MS-PPSAS]</a> .

<b>Complex Type</b>	<b>Description</b>
ArrayOfDataColumnMapping	An array of DataColumnMapping. Specified in [MS-PPSAS].
ArrayOfDataSourceVariable	An array of DataSourceVariable. Specified in [MS-PPSAS].
ArrayOfDecimal	An array of Decimal. Specified in [MS-PPSAS].
ArrayOfDecompRenderResultLevel	An array of DecompRenderResultLevel. Specified in <a href="#">[MS-PPSDECO]</a> .
ArrayOfDecompRenderResultNode	An array of DecompRenderResultNode. Specified in [MS-PPSDECO].
ArrayOfDefaultDimensionSetting	An array of DefaultDimensionSetting. Specified in [MS-PPSAS].
ArrayOfDimension	An array of dimension elements. Specified in [MS-PPSAS].
ArrayOfEndPoint	An array of connection termination points for a consumer <b>Web Part</b> such as a <b>report view</b> or a scorecard. Specified in [MS-PPSAS].
ArrayOfFirstClassElement	An array of first class objects. Specified in [MS-PPSAS].
ArrayOfGridCell	An array of cells used by a grid view such as the scorecard view. Specified in [MS-PPSAS].
ArrayOfGridDisplayElement	An array of elements for a <b>scorecard</b> cell. Specified in [MS-PPSAS].
ArrayOfGridHeaderItem	An array of headers for a scorecard. Specified in [MS-PPSAS].
ArrayOfGridViewTransformReference	An array of references to a grid view transform. Specified in [MS-PPSAS].
ArrayOfHierarchy	An array of hierarchy values for a dimension. Specified in [MS-PPSAS].
ArrayOfKpi	An array of <b>KPIs</b> for a scorecard. Specified in [MS-PPSAS].
ArrayOfKpiMeasure	An array of Kpi Measures. Specified in [MS-PPSAS].
ArrayOfLevel	An array of Level complex types. Specified in [MS-PPSAS].
ArrayOfMember	An array of Member complex types. Specified in [MS-PPSAS].
ArrayOfMemberTransform	An array of MemberTransform complex types. Specified in [MS-PPSAS].
ArrayOfNamedSet	An array of NamedSet complex types. Specified in [MS-PPSAS].
ArrayOfNameInfo	An array of NameInfo elements. Specified in [MS-PPSAS].
ArrayOfParameterDefinition	An array of ParameterDefinition complex types. Specified in [MS-PPSAS].
ArrayOfPropertyBag	An array of PropertyBag elements. Specified in [MS-PPSAS].
ArrayOfRepositoryList	Specified in [MS-PPSAS].
ArrayOfRepositoryLocation	Specified in [MS-PPSAS].

<b>Complex Type</b>	<b>Description</b>
ArrayOfScriptDependency	An array of ScriptDependency elements.
ArrayOfSetting	An array of Setting elements.
ArrayOfString	An array of string. Specified in [MS-PPSAS].
ArrayOfSubstitutionPair	An array of SubstitutionPair elements.
ArrayOfTarget	An array of Target complex types. Specified in [MS-PPSAS].
Banding	Represents the <b>Banding</b> settings of the KPI Target. Specified in [MS-PPSAS].
BIData	Contains the data that the provider Web Part passes to the consumer, including the data and the consumer parameter it is applied to.
BpmProperty	The abstract base type for BpmPropertyXXX types. Specified in [MS-PPSAS].
BpmPropertyDate	Defines a Date property. It extends the BpmProperty type. Specified in [MS-PPSAS].
BpmPropertyDecimal	Defines a Decimal property. It extends the BpmProperty type. Specified in [MS-PPSAS].
BpmPropertyText	A Text property. The type extends BpmProperty. Specified in [MS-PPSAS].
BpmPropertyUser	A User property. The type extends BpmProperty. Specified in [MS-PPSAS].
CalculatedFormulaInfo	A calculated formula in a KpiMeasure. This type is used to specify calculations as part of a KPI's Calculated Metric. Specified in [MS-PPSAS].
Comment	A comment to be associated with a data entity. This class is the base class for AnnotationComment. Specified in [MS-PPSAS].
Cube	The structure of a cube. Specified in [MS-PPSAS].
DataColumnMapping	Dimensional mapping information for a column of data. Specified in [MS-PPSAS].
DataSource	A connection to an external data provider. Specified in [MS-PPSAS].
DataTableMapping	Specifies how data from tabular data sources is mapped to multi-dimensional data. Specified in [MS-PPSAS].
DecompQueryParameters	Specifies additional settings used when performing a drilldown query on an OLAP data cell.
DecompRenderResultLevel	An ordered list of nodes and count of nodes, where total count includes nodes not returned. Specified in [MS-PPSDECO].
DecompRenderResultNode	The details of a <b>node</b> . Specified in [MS-PPSDECO].
DecompRenderResultRecord	The details and results of a query. Specified in [MS-PPSDECO].

Complex Type	Description
DefaultDimensionSetting	A default set of members in a <b>dimension</b> . It extends the Dimension type. Specified in [MS-PPSAS].
DependentElementInfo	Specified in [MS-PPSAS].
DictionaryWrapperOfStringGridCell	A collection of ArrayOfGridCells with associated string keys. Specified in [MS-PPSAS].
DictionaryWrapperOfStringListOfString	A collection of ArrayOfArrayOfString values associated with ArrayOfString keys.
DictionaryWrapperOfStringPropertyBag	A collection of ArrayOfPropertyBags with associated string keys. Specified in [MS-PPSAS].
DictionaryWrapperOfStringString	A collection of ArrayOfString values associated with ArrayOfString keys.
Dimension	The structure of a dimension. Specified in [MS-PPSAS].
Element	This abstract class specifies basic metadata about an item. This class is the base class for FirstClassElement and SecondClassElement. Specified in [MS-PPSAS].
ElementVersion	The version information used to distinguish different instances of a FirstClassElement. Specified in [MS-PPSAS].
EndPoint	The receiving end of a connection between a Web Part that provides parameter values such as a <b>filter</b> or a scorecard, and a Web Part that consumes parameter values, such as a reportview or a scorecard. Specified in [MS-PPSAS].
ExportSettings	Configuration settings used when exporting a report or scorecard.
FirstClassElement	This abstract class represents a first class object that is versionable. This is the base class for Dashboard, DataSource, Scorecard, ReportView, Kpi, and Indicator. Specified in [MS-PPSAS].
GridCell	A single cell used by the scorecard grid view and the analytic grid view. The following <b>UML</b> class diagram shows the GridCell and its relationship with other classes. Specified in [MS-PPSAS].
GridCellSet	The cells used to represent a scorecard or analytic grid. The representation is based on a two dimensional array of GridCell elements indexed by objects of type GridHeaderItem. Specified in [MS-PPSAS].
GridColor	The grid color for the GridCell contents. Specified in [MS-PPSAS].
GridDisplayElement	An element in a scorecard cell. This is a base class for the following complex types GridDisplayElementNumber, GridDisplayElementIndicator, GridDisplayElementText, GridDisplayElementHyperLink. Specified in [MS-PPSAS].
GridDisplayElementActual	The GridDisplayElement of a KPI's actual value in a scorecard cell. Inherits from the GridDisplayElementNumber. Specified in [MS-PPSAS].

<b>Complex Type</b>	<b>Description</b>
GridDisplayElementAggregation	The GridDisplayElement of an aggregated value in a scorecard cell. Inherits from the GridDisplayElementNumber. Specified in [MS-PPSAS].
GridDisplayElementHyperLink	The GridDisplayElement of a KPI's hyperlink property in a cell. Inherits from the GridDisplayElement. Specified in [MS-PPSAS].
GridDisplayElementIndicator	The image of an indicator for the GridDisplayElement in a scorecard cell. Inherits from the GridDisplayElement. Specified in [MS-PPSAS].
GridDisplayElementIndicatorText	The descriptive name of an indicator for the GridDisplayElement in a scorecard cell. Descriptive name of the IndicatorBand is the <b>ToolTip</b> property of the IndicatorBand. Specified in [MS-PPSAS].
GridDisplayElementNumber	A numeric GridDisplayElement in a scorecard cell. This is a base class for the following complex typesGridDisplayElementsActual, GridDdisplayElementTarget, GridDisplayElementScore, GridDisplayElementVariance. Specified in [MS-PPSAS].
GridDisplayElementScore	The GridDisplayElement of the KPI target's score in a scorecard cell. Inherits from the GridDisplayElementNumber. Specified in [MS-PPSAS].
GridDisplayElementTarget	The GridDisplayElement of a KPI's target value in a scorecard cell. Inherits from the GridDisplayElementNumber. Specified in [MS-PPSAS].
GridDisplayElementText	The GridDisplayElement of a text value in a scorecard cell. Inherits from the GridDisplayElement. Specified in [MS-PPSAS].
GridDisplayElementVariance	The GridDisplayElement of a KPI target's variance value in a scorecard cell. Inherits from the GridDisplayElementNumber. Specified in [MS-PPSAS].
GridFontInfo	The font display options for the GridCell contents. Specified in [MS-PPSAS].
GridFormatInfo	The display format settings for the GridCell contents. Specified in [MS-PPSAS].
GridHeaderItem	The header that represents a row or a column node in a scorecard. Specified in [MS-PPSAS].
GridIndicatorSettings	The settings for the Indicator in the Target field. Specified in [MS-PPSAS].
GridScoreSettings	The settings for the <b>score</b> in the Target field. Specified in [MS-PPSAS].
GridTargetSettings	The display settings for the Target column. Specified in [MS-PPSAS].
GridVarianceSettings	The settings for the variance in the Target column. Specified in [MS-PPSAS].
GridViewData	The data structure that represents the scorecard view. Specified in [MS-PPSAS].

Complex Type	Description
GridViewTrandormReference	One transform operation to be applied to a GridViewData instance. Specified in [MS-PPSAS].
Hierarchy	A <b>hierarchy</b> in an <b>OLAP</b> structure. Specified in [MS-PPSAS].
Kpi	A key performance indicator (KPI) is contained in a scorecard. Specified in [MS-PPSAS].
KpiMeasure	A KPI <b>measure</b> is contained in a key performance indicator (KPI). Specified in [MS-PPSAS].
KpiNumberFormatProperties	Used for custom formatting of key performance indicator (KPI) measure values. Specified in [MS-PPSAS].
Level	An OLAP Level in a hierarchy. This type extends NameInfo. Specified in [MS-PPSAS].
Measure	An OLAP measure. This type extends NameInfo. Specified in [MS-PPSAS].
Member	An OLAP <b>member</b> in a dimension. Specified in [MS-PPSAS].
MemberOperation	The basic member operations that can be performed on an OLAP dimension member. MemberOperation abstract type is the base class for MemberOperationAllDescendants, MemberOperationChildren, MemberOperationDescendants, MemberOperationDrillUp, MemberOperationHide and MemberOperationLeafDescendants. Specified in [MS-PPSAS].
MemberOperationDrillup	A MemberOperation that represents the parent of a referred member. This type extends MemberOperation. Specified in [MS-PPSAS].
MemberOperationHide	A MemberOperation that hides a referred member. This type extends MemberOperation. Specified in [MS-PPSAS].
MemberOperationLeafDescendants	A MemberOperation that represents all descendants of a referred member that are also leaf members in the dimension hierarchy. This type extends MemberOperation. Specified in [MS-PPSAS].
MemberOperationAllDescendants	A MemberOperation that represents all descendants of a referred member in the dimension hierarchy. This type extends MemberOperation. Specified in [MS-PPSAS].
MemberOperationChildren	A MemberOperation that represents all child objects of a referred member in a dimension hierarchy. This type extends MemberOperation. Specified in [MS-PPSAS].
MemberOperationDescendants	A MemberOperation that represents all descendants of a referred member at a specified level in the hierarchy. This type extends MemberOperation. Specified in [MS-PPSAS].
MemberTransform	Represents a <b>transform</b> , such as DrillDown, applied to a member, hierarchy group or KPI. Specified in [MS-PPSAS].
NamedSet	An OLAP Named Set. Specified in [MS-PPSAS].
NameInfo	Provides base naming information. Specified in [MS-PPSAS].

Complex Type	Description
OfficeExportInfo	The export data details used to create and download either Excel <a href="#">[MS-XLSX]</a> or PowerPoint <a href="#">[MS-PPTX]</a> format files.
ParameterDefinition	The non-visual portion of the design time definition of a parameter. This class carries the state necessary to generate a parameter pick list that isn't already defined in a data source. Specified in [MS-PPSAS].
PropertyBag	A pairing of keys and values. Specified in [MS-PPSAS].
ReportView	This type controls the visual display of data in a dashboard and can be coordinated with other Report Views using filters. Specified in [MS-PPSAS].
RepositoryLocation	The location of a FirstClassElement stored on the protocol server. Specified in [MS-PPSAS].
RepositoryList	Specified in [MS-PPSAS].
ResourceDependencies	Resources that are required for rendering a Web Part.
ScriptDependency	A script file that is required for rendering a Web Part.
SecondClassElement	A second class object. This is the base class for ConfiguredView, DashboardElement, and KpiMeasure. Specified in [MS-PPSAS].
Setting	A configuration setting.
SubstitutionPair	A pair of strings for substitution.
Target	The target of a KPI used to measure against actual data. Specified in [MS-PPSAS].
WebPartContext	A web part's current state, inputs, and outputs.
WebPartContextUpdate	Updated web part state and input information.

#### 2.2.4.1 OfficeExportInfo (from namespace <http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.ServerCommon.Export>)

Defines the export data details used to create and download either Excel [\[MS-XLSX\]](#) or PowerPoint [\[MS-PPTX\]](#) format files. The Scorecard, Analytic Grid, and Analytic Chart return only the **ExportData** and **DownloadFileName**.

```
<xs:complexType name="OfficeExportInfo">
  <xs:sequence>
    <xs:element minOccurs="0" name="_downloadFileName" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="_exportData" nillable="true" type="xs:base64Binary"/>
    <xs:element minOccurs="0" name="_exportUri" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

**\_downloadFileName:** The download export file name minus the file extension name.

**\_exportData:** The Excel [MS-XLSX] or PowerPoint [MS-PPTX] data written to the download file.

**\_exportUri:** The URL to which the office export request is redirected.

#### 2.2.4.2 **ArrayOfSubstitutionPair (from namespace <http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.ServerCommon>)**

An array of SubstitutionPair (section [2.2.4.3](#)) elements.

```
<xs:complexType name="ArrayOfSubstitutionPair">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="SubstitutionPair" nillable="true"
type="tns:SubstitutionPair"/>
  </xs:sequence>
</xs:complexType>
```

**SubstitutionPair:** This element MUST conform to the schema of the SubstitutionPair (section [2.2.4.3](#)) complex type.

#### 2.2.4.3 **SubstitutionPair (from namespace <http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.ServerCommon>)**

Specifies a pair of strings for substitution.

```
<xs:complexType name="SubstitutionPair">
  <xs:sequence>
    <xs:element name="_x003C_Token_x003E_k__BackingField" nillable="true" type="xs:string"/>
    <xs:element name="_x003C_Value_x003E_k__BackingField" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

**\_x003C\_Token\_x003E\_k\_\_BackingField:** A string that identifies a pattern to be replaced.

**\_x003C\_Value\_x003E\_k\_\_BackingField:** A string that replaces the token.

#### 2.2.4.4 **ArrayOfArrayOfKeyValueOfstringanyType**

The ArrayOfArrayOfKeyValueOfstringanyType complex type defines an array of ArrayOfKeyValueOfstringanyType (section [2.2.4.7](#)) complex type.

```
<xs:complexType name="ArrayOfArrayOfKeyValueOfstringanyType">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="ArrayOfKeyValueOfstringanyType"
nillable="true" type="tns:ArrayOfKeyValueOfstringanyType"/>
  </xs:sequence>
</xs:complexType>
```

**ArrayOfKeyValueOfstringanyType:** This element MUST NOT be null and MUST conform to the schema of the ArrayOfKeyValueOfstringanyType (section [2.2.4.7](#)) complex type.

#### 2.2.4.5 **ArrayOfArrayOfString**

An array of ArrayOfString (specified in [\[MS-PPSAS\]](#)) elements.



```

<xs:complexType name="ArrayOfArrayOfString">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="ArrayOfString" nillable="true"
type="tns:ArrayOfString"/>
  </xs:sequence>
</xs:complexType>

```

**ArrayOfString:** This element MUST conform to the schema of the ArrayOfString (specified in [MS-PPSAS]) complex type.

#### 2.2.4.6 ArrayOfBIData

The ArrayOfBIData complex type defines an array of BIData (section [2.2.4.9](#)) complex type.

```

<xs:complexType name="ArrayOfBIData">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="BIData" nillable="true"
type="tns:BIData"/>
  </xs:sequence>
</xs:complexType>

```

**BIData:** This element MUST NOT be null and MUST conform to the schema of the BIData (section [2.2.4.9](#)) complex type.

#### 2.2.4.7 ArrayOfKeyValueOfstringanyType

The ArrayOfKeyValueOfstringanyType complex type defines an array of KeyValueOfstringanyType complex type.

```

<xs:complexType name="ArrayOfKeyValueOfstringanyType">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="KeyValueOfstringanyType">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="Key" nillable="true" type="xs:string"/>
          <xs:element name="Value" nillable="true" type="xs:anyType"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>

```

**KeyValueOfstringanyType:** Specifies an array of dictionaries of string keys to anyType values. This element MUST be present and MUST NOT be null.

**KeyValueOfstringanyType.Key:** Specifies the string key for addressing the values in the dictionary.

**KeyValueOfstringanyType.Value:** Specifies the anyType value in the dictionary.

The Keys and Values MUST conform to the following:

- The number of items in Keys and the number of items in Values MUST be the same.
- Each item in Values MUST NOT be null.

- Each item in Keys MUST be a unique, non-null string.

Each value in Values MUST have a corresponding key in Keys.

#### 2.2.4.8 ArrayOfScriptDependency

An array of ScriptDependency (section [2.2.4.19](#)) elements.

```
<xs:complexType name="ArrayOfScriptDependency">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="ScriptDependency"
type="tns:ScriptDependency"/>
  </xs:sequence>
</xs:complexType>
```

**ScriptDependency:** This element MUST conform to the schema of the ScriptDependency (section [2.2.4.19](#)) complex type.

#### 2.2.4.9 BIData

Contains the data that the provider Web Part passes to the consumer, including the data and the consumer parameter it is applied to.

```
<xs:complexType name="BIData">
  <xs:sequence>
    <xs:element minOccurs="0" name="_consumerParameter" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="_dataValidated" type="xs:boolean"/>
    <xs:element minOccurs="0" name="_displayColumnName" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="_providerValues" nillable="true"
type="tns:ArrayOfArrayOfKeyValueOfstringanyType"/>
    <xs:element minOccurs="0" name="_valuesColumnName" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

**\_consumerParameter:** Specifies the name of the parameter on the consumer Web Part which MUST receive the data. This element MUST be present and MUST NOT be empty.

**\_dataValidated:** Specifies whether the data contained in \_providerValues has been validated. If "true" the data has been validated, otherwise "false". This element MUST be present and MUST NOT be empty.

**\_displayColumnName:** Specifies the key for \_providerValues which contains the display name for each provider value in \_providerValues. A key with this name MUST be present in the dictionary of each item in \_providerValues. This element MUST be present and MUST NOT be empty.

**\_providerValues:** Specifies the ArrayOfArrayOfKeyValueOfstringanyType (section [2.2.4.4](#)) which contains the data being passed from the provider to the consumer. The \_providerValues array MUST contain one entry for each value being sent to the consumer, where each entry MUST contain a dictionary of values which MUST contain the following:

- A key equal to the value specified in \_displayColumnName, with a corresponding value which MUST be a string which provides the display name for the data value being passed
- A key equal to the value specified in \_valuesColumnName, with a corresponding value which MUST be a string which provides the unique identifier for the value being passed

**\_valuesColumnName:** Specifies the key for `_providerValues` which contains the unique identifier for each provider value in `_providerValues`. A key with this name **MUST** be present in the dictionary of each item in `_providerValues`. This element **MUST** be present and **MUST NOT** be empty.

#### 2.2.4.10 BpmException

This complex type contains the details of a server alert.

```
<xs:complexType name="BpmException">
  <xs:sequence>
    <xs:element minOccurs="1" maxOccurs="1" name="ErrorCode" type="xs:string"/>
    <xs:element minOccurs="1" maxOccurs="1" name="EventLogged" type="xs:boolean"/>
    <xs:element minOccurs="1" maxOccurs="1" name="Message" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

**ErrorCode:** Identifies the alert type. **MUST** be one of the values specified in section [2.2.9.2](#).

**EventLogged:** **MUST** be true if the alert was logged by the server, false otherwise.

**Message:** A text description of the alert. The text **MUST** be included. The text **MUST NOT** be empty. The text **MUST** be in the language of the **UI culture** of the session.

#### 2.2.4.11 DecompQueryParameters

The **DecompQueryParameters** complex type specifies additional settings used when performing a drilldown query on an OLAP data cell.

```
<xs:complexType name="DecompQueryParameters">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="SortType" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="ClientState" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

**SortType:** **MUST** be set to blank when sending and **MUST** be ignored on receiving.

**ClientState:** **MUST** be set to blank when sending and **MUST** be ignored on receiving.

#### 2.2.4.12 DictionaryWrapperOfstringArrayOfStringty7Ep6D1

The **DictionaryWrapperOfstringArrayOfStringty7Ep6D1** type specifies a collection of **ArrayOfArrayOfstring** values (section [2.2.4.5](#)) with associated string keys.

```
<xs:complexType name="DictionaryWrapperOfstringArrayOfStringty7Ep6D1">
  <xs:sequence>
    <xs:element name="keys" nillable="true" type="tns:ArrayOfString"/>
    <xs:element name="values" nillable="true" type="tns:ArrayOfArrayOfString"/>
  </xs:sequence>
</xs:complexType>
```

**keys:** An **ArrayOfString** (specified in [\[MS-PPSAS\]](#)) where each member of the array serves as a key for addressing the contents of the **Values** array.

**values:** An array of ArrayOfArrayOfString (section [2.2.4.5](#)).

The Keys and Values MUST conform to the following:

- The number of items in Keys and the number of items in Values MUST be the same.
- Each item in Values MUST NOT be null.
- Each item in Keys MUST be a unique, non-null string.

Each value in Values MUST have a corresponding key in Keys (that is, for each Values[i], the corresponding key is Keys[i]).

### 2.2.4.13 DictionaryWrapperOfStringListOfString

This complex type specifies a collection of ArrayOfArrayOfString (see section [2.2.4.5](#)) values associated with ArrayOfString (specified in [\[MS-PPSAS\]](#)) keys.

```
<xs:complexType name="DictionaryWrapperOfStringListOfString">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Keys" type="tns:ArrayOfString"/>
    <xs:element minOccurs="0" maxOccurs="1" name="Values" type="tns:ArrayOfArrayOfString"/>
  </xs:sequence>
</xs:complexType>
```

**Keys:** This element MUST conform to the schema of the ArrayOfString (specified in [\[MS-PPSAS\]](#)) complex type.

**Values:** This element MUST conform to the schema of the ArrayOfArrayOfString (see section [2.2.4.5](#)) complex type.

### 2.2.4.14 DictionaryWrapperOfstringstring

A collection of ArrayOfString (specified in [\[MS-PPSAS\]](#)) values associated with ArrayOfString (specified in [\[MS-PPSAS\]](#)) keys.

```
<xs:complexType name="DictionaryWrapperOfstringstring">
  <xs:sequence>
    <xs:element name="keys" nillable="true" type="tns:ArrayOfString"/>
    <xs:element name="values" nillable="true" type="tns:ArrayOfString"/>
  </xs:sequence>
</xs:complexType>
```

**keys:** An ArrayOfString (specified in [\[MS-PPSAS\]](#)) where each member of the array serves as a key for addressing the contents of the Values array.

**values:** An ArrayOfString (specified in [\[MS-PPSAS\]](#)) containing the values in the dictionary.

The Keys and Values MUST conform to the following:

- The number of items in Keys and the number of items in Values MUST be the same.
- Each item in Values MUST NOT be null.
- Each item in Keys MUST be a unique, non-null string.

Each value in Values MUST have a corresponding key in Keys (that is, for each Values[i], the corresponding key is Keys[i]).

#### 2.2.4.15 DictionaryWrapperOfStringString

This complex type specifies a collection of ArrayOfString (specified in [\[MS-PPSAS\]](#)) values associated with ArrayOfString keys.

```
<xs:complexType name="DictionaryWrapperOfStringString">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Keys" type="tns:ArrayOfString"/>
    <xs:element minOccurs="0" maxOccurs="1" name="Values" type="tns:ArrayOfString"/>
  </xs:sequence>
</xs:complexType>
```

**Keys:** This element MUST conform to the schema of the ArrayOfString complex type.

**Values:** This element MUST conform to the schema of the ArrayOfString (see section 2.2.4.49 complex type.

#### 2.2.4.16 ExportSettings

Specifies configuration settings used when exporting a report or scorecard.

```
<xs:complexType name="ExportSettings">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="WebPartTitle" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="PageTitle" type="xs:string"/>
    <xs:element minOccurs="1" maxOccurs="1" name="ExportFormat" type="tns:ExportFormat"/>
    <xs:element minOccurs="0" maxOccurs="1" name="DashboardLink" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

**WebPartTitle:** The title of the Web Part.

**PageTitle:** The title of the page.

**ExportFormat:** The export data format for a report or a scorecard as specified by ExportFormat (see section [2.2.5.1](#)).

**DashboardLink:** An **absolute URL** used to reference the dashboard containing the report or scorecard to be exported.

#### 2.2.4.17 ParameterMessage

ParameterMessage represents the client side browser transmission packet that is passed between proxies in a dashboard.

```
<xs:complexType name="ParameterMessage">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:ParameterDefinition">
      <xs:sequence>
        <xs:element xmlns:q10="http://microsoft.com/wsdl/types/" name="dashboardItemId"
          type="q10:guid"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

```

    <xs:element xmlns:q11="http://microsoft.com/wsdl/types/" name="mappingId"
type="q11:guid"/>
    <xs:element name="values" nillable="true">
      <xs:complexType>
        <xs:sequence>
          <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax"/>
          <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
processContents="lax"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>

```

**dashboardItemId:** Specifies the identifier of the DashboardItem ([\[MS-PPSAS\]](#) section 2.2.4.84) that emits this ParameterMessage. This element MUST be present and MUST NOT be null.

**mappingId:** Specifies the identifier of the ParameterMapping ([\[MS-PPSAS\]](#) section 2.2.4.158) instance that governs the current instance. This element MUST be present and MUST NOT be null.

**values:** Specifies a DataTable object which MUST contain a row for each of the currently selected parameters. The DataTable MUST contain all of the columns as specified by the ParameterDefinition ([\[MS-PPSAS\]](#) section 2.2.4.156). This element MUST be present and MUST NOT be null.

### 2.2.4.18 ResourceDependencies

Specifies resources that are required for rendering a web part.

```

<xs:complexType name="ResourceDependencies">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="ExternalCssDependencies"
type="tns:ArrayOfString"/>
    <xs:element minOccurs="0" maxOccurs="1" name="ScriptDependencies"
type="tns:ArrayOfScriptDependency"/>
    <xs:element minOccurs="0" maxOccurs="1" name="CustomStartupScript" type="xs:string"/>
  </xs:sequence>
</xs:complexType>

```

**ExternalCssDependencies:** An ArrayOfString (specified in [\[MS-PPSAS\]](#)) where each member of the array contains the name of a **cascading style sheet (CSS)** file which is needed for rendering a web part.

**ScriptDependencies:** An ArrayOfScriptDependency (see section [2.2.4.8](#)) where each member of the array contains information about a script file which is needed for rendering a web part.

**CustomStartupScript:** A string containing a script to be executed in the browser when a web part is rendered.

### 2.2.4.19 ScriptDependency

Specifies a script file that is required for rendering a web part.

```

<xs:complexType name="ScriptDependency">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="ScriptLocation" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="AssemblyName" type="xs:string"/>
    <xs:element minOccurs="1" maxOccurs="1" name="ForceRelease" type="xs:boolean"/>
  </xs:sequence>
</xs:complexType>

```

**ScriptLocation:** The **relative path** of the script file, or the identifier of the script file when it is embedded as a resource in an **assembly**.

**AssemblyName:** The name of the assembly in which the script is embedded or null if ScriptLocation is path based.

**ForceRelease:** A value of "true" MUST cause the protocol server to use the release version of the script file. A value of "false" MUST cause the protocol server to use the version of the script file specified by the web application settings.

### 2.2.4.20 Setting

Specifies a configuration setting.

```

<xs:complexType name="Setting">
  <xs:attribute name="Key" type="xs:string"/>
  <xs:attribute name="Type" type="tns:SettingType" use="required"/>
  <xs:attribute name="Value" type="xs:string"/>
  <xs:attribute name="DefaultValue" type="xs:string"/>
</xs:complexType>

```

**Key:** A unique identifier for the setting. MUST NOT be null or empty. MUST be one of the Key values from the following table:

Key	Description	Type	Minimum	Maximum	Illegal Characters
EnableAnnotation	Allows users to add comments to scorecard cells.	Boolean			
EnableDeletionByAuthor		Boolean			
MaxAnnotationAllowed	Max number of commented cells per scorecard.	Integer	0	1000000	
FilterRememberUserSelectionsDays	Days to remember user filter selections.	Integer	1	10000	
MaxHoursOfSessionObjects	Hours to keep user navigation history.	Integer	1	48	

Key	Description	Type	Minimum	Maximum	Illegal Characters
MsmQueueEnabled	Send notifications to Microsoft Message Queuing (MSMQ) on content change.	Boolean			
MsmQueueName	Queue name of the Microsoft Messaging Queue.	String	0	380 chars	\+ , " \n \r
SdLargeRowLimit	Maximum number of rows to retrieve for show details.	Integer	1	1000000	
SdSmallRowLimit	Initial number of rows to retrieve for show details.	Integer	1	100000	
SdLargeEnableLimit	Enable SdLargeRowLimit. If set to False, Analysis Services will control limit.	Boolean			
SelectMeasureMaximum	Maximum number of measures to show in a dashboard Select Measure control.	Integer	0	1000000	
DecompositionTreeMaximum	Set the maximum number of items (per level) returned to the decomposition tree visualization.	Integer	0	1000000	
EnableAnalyticQueryLogging	Verbose logging of query events.	Boolean			
IndicatorImageCacheTime	Seconds to cache KPI icons.	Integer	1	3600	



Key	Description	Type	Minimum	Maximum	Illegal Characters
DataSourceQueryTimeout	Seconds to time-out for a data source query.	Integer	1	3600	
TreeViewControlMaxNumRecordsToRender	Maximum number of records to show in filter	Integer	1	100000	
DataSourceTrustedLocationsRestricted	When switched on, only trust specified locations. Default is to trust all Data Source locations.	Boolean			
WorkspaceTrustedLocationsRestricted	When switched on, only trust specified locations. Default is to trust all Content locations.	Boolean			
SharedIdentityUsername	The username that that service application is using as the unattended service account. (read only)	String	0	268435455 chars	
ApplicationProxyCacheEnabled	Enable or disable rendered output cache on the web front end.	Boolean			
ApplicationCacheEnabled	Enable or disable rendered output cache on the application server.	Boolean			
ApplicationCacheMinimumHitCount	Set the minimum number of times rendered output must be requested before it is added to cache.	Integer	0	1000	

Key	Description	Type	Minimum	Maximum	Illegal Characters
SpFcoCacheTimeout	Set the first class object cache expiration time.	Integer	0	3600	
AnalyticQueryCellMax	Sets a maximum number of returned cells in an analytic grid.	Integer	1	100000000	

**Type:** The type of the setting value. MUST be a value specified in section [2.2.5.2](#).

**Value:** A value for the setting. MUST NOT be null.

**DefaultValue:** A default value for the setting.

### 2.2.4.21 WebPartContext

Specifies a web part's current state, inputs, and outputs.

```
<xs:complexType name="WebPartContext">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="ClientViewState"
type="tns:DictionaryWrapperOfStringString"/>
    <xs:element minOccurs="0" maxOccurs="1" name="InUseProviderParameterNames"
type="tns:ArrayOfString"/>
    <xs:element minOccurs="0" maxOccurs="1" name="ProviderParameterSelections"
type="tns:DictionaryWrapperOfStringListOfString"/>
  </xs:sequence>
</xs:complexType>
```

**ClientViewState:** Specifies the DictionaryWrapperOfStringString (section [2.2.4.14](#)) that contains the current state of the web part's view. This element MUST be present.

**InUseProviderParameterNames:** Specifies an array of begin points on a web part that are connected to an endpoint. This element MUST be present.

**ProviderParameterSelections:** Specifies the DictionaryWrapperOfStringListOfString (section [2.2.4.13](#)) that contains the currently selected parameter values. This element MUST be present.

### 2.2.4.22 WebPartContextUpdate

Specifies updated web part state and input information.

```
<xs:complexType name="WebPartContextUpdate">
  <xs:sequence>
    <xs:element name="_clientViewStateWrapper" nillable="true"
type="tns:DictionaryWrapperOfStringString"/>
    <xs:element name="_legacyFilterSelections" nillable="true" type="tns:ArrayOfBIData"/>
  </xs:sequence>
</xs:complexType>
```

**\_clientViewStateWrapper:** Specifies the DictionaryWrapperOfStringString (section [2.2.4.14](#)) that contains the current state of the web part's view. This element MUST be present and MUST NOT be null.

**\_legacyFilterSelections:** Specifies the ArrayOfBIData (section [2.2.4.6](#)) which contains the selections of any connected Web Part providers which are neither filters nor scorecards. This element MUST be present and MUST NOT be null.

## 2.2.5 Simple Types

The following table summarizes the set of common XML Schema simple type definitions defined by this specification. XML Schema simple type definitions that are specific to a particular operation are described with the operation.

Simple Type	Description
AggregateTypeEnum	The method by which a KpiMeasure will be aggregated. Specified in <a href="#">[MS-PPSAS]</a> .
AnnotationVersions	The product version that was used to create the annotation. Specified in <a href="#">[MS-PPSAS]</a> .
BandType	The type of the banding for the Target. Specified in <a href="#">[MS-PPSAS]</a> .
BeginPointEmitterType	The type of information the parameter emits. Specified in <a href="#">[MS-PPSAS]</a> .
ConnectionContext	The identity that is used to connect to the data source. Specified in <a href="#">[MS-PPSAS]</a> .
DataValuePosition	The display positioning for a data value. Specified in <a href="#">[MS-PPSAS]</a> .
DateAggregationTypes	A enumeration of time intervals. Specified in <a href="#">[MS-PPSAS]</a> .
DimensionTypeEnum	The type of information in a dimension. Specified in <a href="#">[MS-PPSAS]</a> .
EndPointCategory	Used by the Dashboard Designer to sort and filter EndPoints when connecting provider Web Parts to consumer Web Parts on the Dashboard. Specified in <a href="#">[MS-PPSAS]</a> .
ExportFormat	The export data format for a report or a scorecard.
FactAggregations	The type of aggregation to be performed on a numeric fact column in a tabular data set. The values are exclusive; that is, exactly one MUST be present in any field that uses this type. Specified in <a href="#">[MS-PPSAS]</a> .
FCOContentType	The type of a First Class Object (FCO). Specified in <a href="#">[MS-PPSAS]</a> .
FirstClassObjectType	The type of a First Class Object (FCO). Specified in <a href="#">[MS-PPSAS]</a> .
FormatNegativeSymbol	The formatting pattern for negative numbers when custom formatting is used. Positive values are not affected. See KpiNumberFormatProperties. Specified in <a href="#">[MS-PPSAS]</a> .
FormatType	The formatting pattern for numeric values. Specified in <a href="#">[MS-PPSAS]</a> .
GridCellElementStatus	The status of a display element of a scorecard cell. Specified in <a href="#">[MS-PPSAS]</a> .
HeaderAggregationTypes	The type of aggregation used by the Scorecard. Specified in <a href="#">[MS-PPSAS]</a> .

Simple Type	Description
HierarchyOrigin	The overall structure of a hierarchy. Specified in [MS-PPSAS].
HorizontalAlignments	Specifies how an object or text in a control is horizontally aligned relative to the control element. Specified in [MS-PPSAS].
IndicatorPosition	The position of the indicator within the target value cell. Specified in [MS-PPSAS].
IndicatorType	Specifies how the indicator bands change in according to the values change. Specified in [MS-PPSAS].
KpiPattern	Specifies how Banding and scoring change in appearance according to the setting of the KPI pattern. Specified in [MS-PPSAS].
MappedColumnDataTypes	The data type of the mapped columns in DataColumnMapping. Specified in [MS-PPSAS].
MappedColumnType	The classification of a mapped column in DataColumnMapping. Specified in [MS-PPSAS].
MemberRelationship	The relationship among dimension members. Member relationships are used in the context of a referred member. Specified in [MS-PPSAS].
MemberTransformOperation	The transform action that the MemberTransform will use. Specified in [MS-PPSAS].
MemberTransformType	The classification of the MemberTransform. Specified in [MS-PPSAS].
MemberType	The type represented by the member object. Specified in [MS-PPSAS].
QueryTransformMembersType	The type of query transform. Specified in [MS-PPSAS].
RollupTypes	The types of <b>rollup</b> behavior that can be exhibited by a target column in a scorecard. Specified in [MS-PPSAS].
ScorecardEmptyRowsFilterMode	Specifies whether to display scorecard rows with empty cells. A scorecard GridCell is considered empty if DisplayElements does not contain any GridDisplayElements with a Status of 0. Specified in [MS-PPSAS].
ScorecardNamedSetType	Specifies how to define a set of dimension members. It is used by GridHeaderItem when the attribute HeaderType is set to NamedSet. Specified in [MS-PPSAS].
ScorecardNodeTypes	The type of scorecard node header. This is used in the GridHeaderItem. Specified in [MS-PPSAS].
ScoreTypes	The type of score to be used when rolling up the target column in a scorecard. Specified in [MS-PPSAS].
SettingType	Specifies how setting values should be interpreted when presented as strings.
Trinary	An enumeration type that has three possible values. Specified in [MS-PPSAS].
ValueSources	Specifies how roll-up values should be computed. The enumeration determines how values for parent scorecard row items will be computed from the values of child scorecard row items within the same scorecard

Simple Type	Description
	column. Specified in [MS-PPSAS].
VarianceDisplayType	Specifies how a variance is presented. Specified in [MS-PPSAS].
VarianceType	Specifies how a variance is calculated. Specified in [MS-PPSAS].
VerticalAlignments	Specifies a vertical alignment of content within a grid cell or display element. Specified in [MS-PPSAS].

### 2.2.5.1 ExportFormat

Specifies the export data format for a report or a scorecard.

```
<xs:simpleType name="ExportFormat">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Excel"/>
    <xs:enumeration value="PowerPoint"/>
  </xs:restriction>
</xs:simpleType>
```

The following table specifies the allowable values for ExportFormat:

Value	Meaning
Excel	Export data formatted as specified in <a href="#">[MS-XLSX]</a> .
PowerPoint	Export data formatted as specified in <a href="#">[MS-PPTX]</a> .

### 2.2.5.2 SettingType

Specifies how setting values should be interpreted when presented as strings.

```
<xs:simpleType name="SettingType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="String"/>
    <xs:enumeration value="Boolean"/>
    <xs:enumeration value="Integer"/>
  </xs:restriction>
</xs:simpleType>
```

The following table specifies the allowable values for SettingType:

Value	Meaning
String	The setting value is a string.
Boolean	The setting value is a Boolean.
Integer	The setting value is a numeric integer.

## 2.2.6 Attributes

This specification does not define any common XML Schema attribute definitions.

## 2.2.7 Groups

This specification does not define any common XML Schema group definitions.

## 2.2.8 Attribute Groups

This specification does not define any common XML Schema attribute group definitions.

## 2.2.9 Faults

In the event of an application error, the server returns a SOAP fault as a response to the operation as specified in [\[SOAP1.1\]](#), section 4.4.

### 2.2.9.1 SOAP Fault Detail Element

The protocol client MUST ignore all elements of the SOAP fault, except for the **SOAP fault detail** element.

The SOAP fault detail element MUST contain a **BPMException** ([2.2.4.10](#)).

### 2.2.9.2 Full List of Possible Error Codes

Specified in [\[MS-PPSAS\]](#) section 2.2.9.2.

### 2.2.9.3 Common List of Error Codes

Specified in [\[MS-PPSAS\]](#) section 2.2.9.3.

## 3 Protocol Details

The client side of this protocol is simply a pass-through. That is, no additional timers or other state is required on the client side of this protocol. Calls made by the higher-layer protocol or application are passed directly to the transport, and the results returned by the transport are passed directly back to the higher-layer protocol or application.

Except where specified, protocol clients SHOULD interpret HTTP status codes returned by the protocol server as specified in [\[RFC2616\]](#) (Section 10, Status Code Definitions).

This protocol allows protocol servers to notify protocol clients of application-level faults using SOAP faults. Except where specified, these SOAP faults are not significant for interoperability, and protocol clients can interpret them in an implementation-specific manner.

This protocol allows protocol servers to perform implementation-specific authorization checks and notify protocol clients of authorization faults either using HTTP status codes or using SOAP faults as specified previously in this section.

Occasionally, instances occur where this web service's WSDL specifies optionality (for example, `minOccurs="0"` and `maxOccurs="1"`) that conflicts with the stated behavior in this document, or the document doesn't contain the stated behavior. In such cases, where the document and the WSDL conflict, the document takes precedence. In cases where the document doesn't specify optionality, the argument has to be present, even if the WSDL specifies that the argument is optional (for example, `minOccurs="0"`).

In cases where an argument is optional and the WSDL specifies both `"minOccurs=0"` and `"Nillable=true"`, treat the argument as only `"minOccurs=0"`.

### 3.1 Server Details

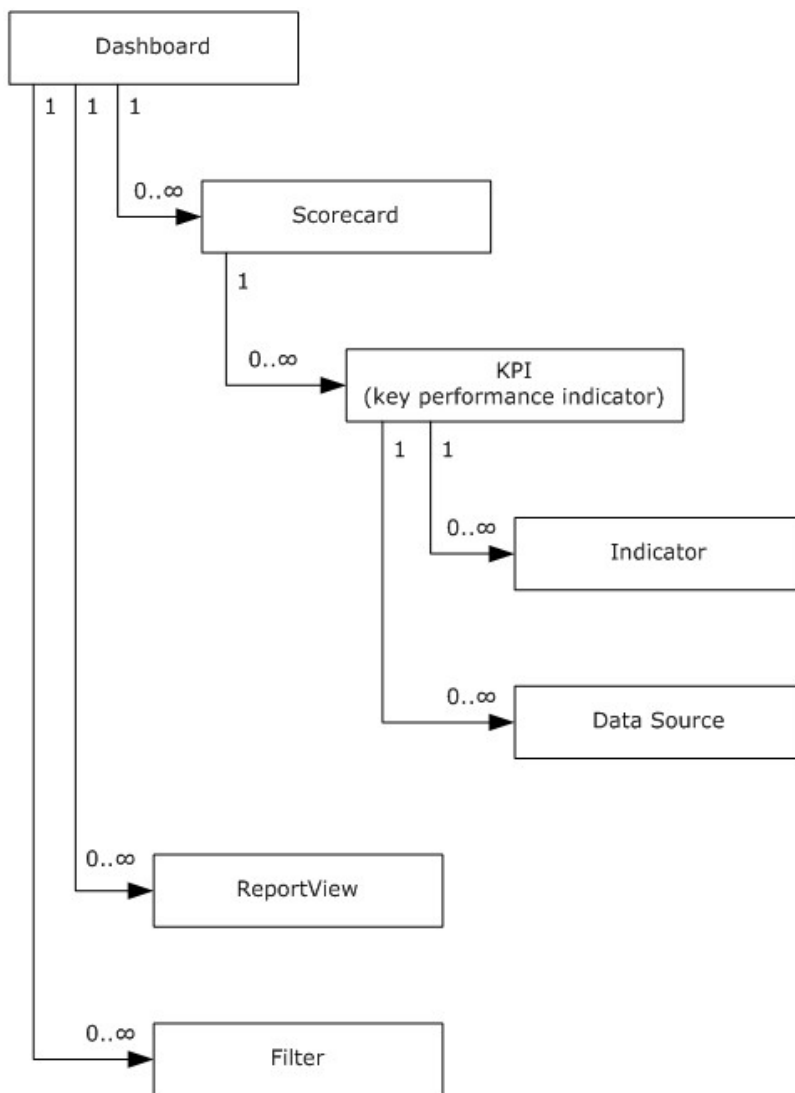
The Application Server interface is called by a protocol client running on a Web server. Each operation in the interface is stateless, so it can be called without any other operation being called before it.

This protocol supports the operations specified in [\[MS-PPSAS\]](#), and [\[MS-PPSDECO\]](#), and allows the Web server and application server to run on separate tiers in a multi-tier deployment.

#### 3.1.1 Abstract Data Model

This section describes a conceptual model of possible data organization that an implementation maintains to participate in this protocol. The described organization is provided to facilitate the explanation of how the protocol behaves. This document does not mandate that implementations adhere to this model as long as their external behavior is consistent with that described in this document.

The protocol server maintains a collection of `FirstClassElement` (see [\[MS-PPSAS\]](#)) objects indexed by unique repository locations. The following UML diagram describes how the `FirstClassElement` objects are related:



**Figure 2: Overview of first class elements**

The following terms are used as defined in [\[MS-OFGLS\]](#):

- Dashboard
- Scorecard
- Filter
- Key performance indicator (KPI)

The following elements are defined as follows

- **ReportView:** A visual display of data in a dashboard that can be coordinated with other report views by using filters.



- **Indicator:** A set of graphics, text, and colors for defining different levels of performance when comparing an actual value and a target value within a KPI.
- **DataSource:** A reference to a disk, file, document, or other collection of information from which data is taken or moved.

The protocol server also maintains a collection of annotations, or comments, attached to a scorecard cell in order to provide related information.

### 3.1.2 Timers

If a request exceeds a query timeout period, the server MUST return a SOAP FAULT response, which MUST contain the **Query Timeout**<1> ErrorCode as specified in section 2.2.9.

### 3.1.3 Initialization

A connection that uses the underlying protocol layers that are specified in section 1.4 MUST be established before using this protocol.

### 3.1.4 Message Processing Events and Sequencing Rules

This section specifies the operations.

WSDL Operation	Description
CreateAnnotation	Used to create an Annotation on the protocol server. Specified in <a href="#">[MS-PPSAS]</a> .
CreateDataSource	Used to create a DataSource on the protocol server. Specified in <a href="#">[MS-PPSAS]</a> .
CreateNavigationMetadata	This operation is used to generate a JavaScript representation of hierarchical <b>cube</b> metadata for a given <b>report data source</b> .
CreateReportHtml	This operation is used to generate an HTML fragment and associated JavaScript for a given <b>list item</b> .
DecompAutoExpand	Used to get additional node data for a specific node, where named actions are not known. Specified in <a href="#">[MS-PPSDECO]</a> (see AutoExpand).
DecompCreateNavigationList	Returns a list of named actions for use with the navigationItemUniqueName element of the Expand operation. Specified in <a href="#">[MS-PPSDECO]</a> (see CreateNavigationList).
DecompExpand	Gets additional node data for a specific node, using a named action. Specified in <a href="#">[MS-PPSDECO]</a> (see Expand).
DecompGetMemberProperties	Returns properties associated with a specified node. Specified in <a href="#">[MS-PPSDECO]</a> (see GetMemberProperties).
DecompStartAnalyze	This operation is used to perform a drilldown query on an OLAP data cell.
DeleteAnnotation	Deletes an Annotation from the protocol server.

WSDL Operation	Description
	Specified in [MS-PPSAS].
DeleteDataSource	Deletes a DataSource from the protocol server. Specified in [MS-PPSAS].
ExportReport	Retrieves a report formatted as specified in <a href="#">[MS-XLSX]</a> from the protocol server.
ExportScorecard	Retrieves a report formatted as specified in <a href="#">[MS-PPTX]</a> from the protocol server.
GenerateView	Generates the data structure that represents a scorecard grid view based on information stored on the server. Specified in [MS-PPSAS].
GenerateViewDirect	Generates the data structure that represents a scorecard grid view using information sent from the client. Specified in [MS-PPSAS].
GetAllAnnotationsByScorecardLocation	Retrieves an array of Annotation elements associated with a scorecard. Specified in [MS-PPSAS].
GetAnalyticReportView	Retrieves a report view from the protocol server that has been created through SaveTemporaryAnalyticReport or CreateReportView. Specified in [MS-PPSAS].
GetAnnotation	Retrieves an annotation associated with a scorecard <b>cell</b> from the protocol server. Specified in [MS-PPSAS].
GetAnnotationByID	Retrieves an annotation from a specified <b>GUID</b> from the protocol server. Specified in [MS-PPSAS].
GetAnnotationSetting	Retrieves an AnnotationSetting object that contains the annotation settings for the protocol server. Specified in [MS-PPSAS].
GetAsKpis	Takes in an <b>Analysis Services</b> data source along with a server-relative URL to the KPI list and returns a collection of KPIs as defined in ArrayOfKpi. Specified in [MS-PPSAS].
GetCube	Takes in a RepositoryLocation object and returns the associated Cube object. Specified in [MS-PPSAS].
GetCubeFromDataSource	Takes in a data source object and returns the associated Cube object. Specified in [MS-PPSAS].
GetCubeMetaData	Takes in an Analysis Services RepositoryLocation object and returns the associated Cube object. Specified in [MS-PPSAS].
GetCubeMetaDataForDataSource	Takes in an Analysis Services data source object and returns the associated Cube object. Specified in [MS-PPSAS].
GetCubeNameInfos	Retrieves an ArrayOfNameInfo that describes the cubes of the data source. Specified in [MS-PPSAS].
GetDatabaseNamesFromDataSource	Retrieves an array of database names associated with

WSDL Operation	Description
	the data source. Specified in [MS-PPSAS].
GetDataSource	Retrieves a data source. Specified in [MS-PPSAS].
GetDependentElements	Retrieves from the server all FirstClassElements associated with a list of repository locations. Specified in [MS-PPSAS].
GetDimensions	Retrieves an array of dimension objects. Specified in [MS-PPSAS].
GetDimensionsFromDataSource	Retrieves an array of dimension objects. Specified in [MS-PPSAS].
GetDrillThroughPreview	Used to perform a drill through query on an Analysis Services data cell.
GetFilterDependencies	Retrieves the required external dependencies for rendering a filter.
GetFilterDisplayData	Retrieves a <b>data table</b> of filter display data from the protocol server.
GetKpisFromScorecard	Retrieves an array of Kpi objects associated with a scorecard. Specified in [MS-PPSAS].
GetLatestAnalyticReportVersion	Retrieves from the protocol server the version number for a report view that has been created through SaveTemporaryAnalyticReport. Specified in [MS-PPSAS].
GetListItems	Retrieves all FirstClassElements associated with a given repository list from the server. Specified in [MS-PPSAS].
GetMdx	Retrieves an <b>MDX</b> expression that can be used to query data sources for the given analytic report. Analytic Chart and Analytic Grid report view types contain custom data that is used to generate MDX queries. Specified in [MS-PPSAS].
GetParameterDisplayData	Builds a template DataTable (empty DataTable) containing all the columns produced by a specific parameter type. The referred parameter represents a specific kind of connection between two Web Parts. The resulting DataTable represents an empty sample of the information that gets passed on that connection.
GetParameterMessageData	This operation retrieves a DataTable containing all of the selected values of a parameter.
GetPreviewDataSet	Retrieves a data set from a data source, which is suitable for previewing results. Specified in [MS-PPSAS].
GetQueryResultMembers	Retrieves an array of members associated with the specified report. Specified in [MS-PPSAS].
GetRegisteredCustomFCOs	Retrieves custom First Class Object (FCO) definitions registered on the server. Specified in [MS-PPSAS].
GetRenderControlPreview	Used when a control is HTML rendered directly to the report preview page that is render within the report

WSDL Operation	Description
	designer. The report control preview rendering has its own enabled feature set. Additionally, the report control preview does not accept parameters from Web Part connections.
GetReportDependencies	Retrieves the required external dependencies for rendering a report.
GetReportViewImageData	Retrieves a report control image data. An analytic chart report is an example where its chart view image data is retrieved.
GetScorecardDependencies	Retrieves the required external dependencies for rendering a scorecard.
GetSetting	Retrieves a configuration setting.
GetSettings	Retrieves all configuration settings.
GetSettingValue	Retrieves the current value of a configuration setting.
GetTreeMembersDataTable	Retrieves the specified members from a dimension of a data source. The return values are suitable for consumption by a user interface control which allows the user to select members. Specified in [MS-PPSAS].
QueryChildMembers	Uses a data source for the specified member and returns a collection of members. Specified in [MS-PPSAS].
QueryChildMembersByRangeFromDataSource	Queries the DataSource and returns a collection of child members. Specified in [MS-PPSAS].
QueryChildMembersFromDataSource	Uses the data source to retrieve a collection of child members for the specified member name. Specified in [MS-PPSAS].
QueryDimensionRootMembers	Uses a data source from the repository location for the specified member and returns a collection of root members. Specified in [MS-PPSAS].
QueryDimensionRootMembersFromDataSource	Uses the data source to retrieve a collection of root members for the specified member name. Specified in [MS-PPSAS].
QueryNamedSets	Retrieves the <b>named sets</b> that are defined by a data source when given the RepositoryLocation of the data source. Specified in [MS-PPSAS].
QueryNamedSetsFromDataSource	Retrieves the named sets that are defined by the given data source. Specified in [MS-PPSAS].
QueryRelatedMember	Retrieves a member that is related to the specified member by the specified relationship from the data source at the given RepositoryLocation. Specified in [MS-PPSAS].
QueryRelatedMemberFromDataSource	Queries the given data source for the member that is related to the specified member by the specified relationship. Specified in [MS-PPSAS].

WSDL Operation	Description
QueryTimeIntelligence	Queries a data source location for the members that are specified by a time intelligence formula. Specified in [MS-PPSAS].
QueryTimeIntelligenceDirect	Queries a data source location for the members that are specified by a time intelligence formula. Specified in [MS-PPSAS].
QueryTransformMembers	Transforms a collection of members into a new set of member collection based on the operation passed on the transformation type parameter. Specified in [MS-PPSAS].
RenderFilter	Generates HTML <a href="#">[HTML]</a> for a specific filter stored on the protocol server. The protocol client specifies which filter is to be rendered, and other parameters that affect the result's HTML content.
RenderReport	Generates HTML markup for a specific report stored on the protocol server. The protocol client specifies which report is to be rendered, and other parameters that affect the result's HTML content.
RenderScorecard	Generates HTML markup for a specific scorecard stored on the protocol server. The protocol client specifies which scorecard is to be rendered, and other parameters that affect the result's HTML content.
RenderScorecardAjaxControl	This operation generates scorecard <b>Web control</b> HTML markup for a specific list item stored on the protocol server.
RenderTreeMemberSelector	This method is deprecated from the protocol and SHOULD NOT <a href="#">&lt;2&gt;</a> be used.
ReportSupportsExportFormat	Determines whether a report supports the specified export format
SaveFilterValues	Saves the state of the selections made for a given filter.
SaveTemporaryAnalyticReport	Stores a temporary copy of a report view to the server. Specified in [MS-PPSAS].
SaveTemporaryStrategyMapReport	This operation stores a temporary copy of a report view to the server.
ScorecardSupportsExportFormat	Determines whether a scorecard supports the specified export format.
TestConnection	Determines whether a connection as specified by the dataSource element can be established. Specified in [MS-PPSAS].
TrimAnnotationByOwner	Removes all the annotations that are owned by a specific user. Specified in [MS-PPSAS].
TrimAnnotationByScorecardLocation	Removes all the annotations that belong to a scorecard at a specific location. Specified in [MS-PPSAS].

WSDL Operation	Description
TrimAnnotationUntouchedSince	Removes all the annotations that haven't been updated since the specified date. Specified in [MS-PPSAS].
UpdateAnnotation	Updates an existing Annotation. Specified in [MS-PPSAS].
UpdateDataSource	Updates an existing Dashboard. Specified in [MS-PPSAS].
UpdateSettingValue	Modifies the current value of a configuration setting.
ValidateKpi	Determines whether a KPI stored on the server is valid. Specified in [MS-PPSAS].
ValidateScorecard	Determines whether a scorecard stored on the <b>server</b> is valid. Specified in [MS-PPSAS].
ValidateSiteCollection	Determines whether <b>context site</b> has the protocol server <b>feature</b> installed. Specified in [MS-PPSAS].

### 3.1.4.1 CreateNavigationMetadata

This operation is used to generate a JavaScript representation of hierarchical cube metadata for a given report data source.

```
<wsdl:operation name="CreateNavigationMetadata">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/CreateNavigationMetadata"
    message="tns:IBIMonitoringServiceApplication_CreateNavigationMetadata_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/CreateNavigationMetadataResponse"
    message="tns:IBIMonitoringServiceApplication_CreateNavigationMetadata_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/CreateNavigationMetadataBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_CreateNavigationMetadata_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends a **CreateNavigationMetadataSoapIn** request message and the protocol server responds with a **CreateNavigationMetadataSoapOut** response message.

If there was an application error on the protocol server during the operation, the protocol server MUST return a SOAP FAULT response, which MAY contain any subcode. The exception might be one well known types, but MAY be anything else.

#### 3.1.4.1.1 Messages

The following **WSDL message** definitions are specific to this operation.

### 3.1.4.1.1.1

#### **IBIMonitoringServiceApplication\_CreateNavigationMetadata\_InputMessage**

The requested WSDL message for the **CreateNavigationMetadata** **WSDL operation**.

The **SOAP action** value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/CreateNavigationMetadata
```

The **SOAP body** contains the **CreateNavigationMetadata** element.

### 3.1.4.1.1.2

#### **IBIMonitoringServiceApplication\_CreateNavigationMetadata\_OutputMessage**

The response WSDL message for the **CreateNavigationMetadata** method.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/CreateNavigationMetadataResponse
```

The SOAP body contains the **CreateNavigationMetadataResponse** element.

### 3.1.4.1.2 Elements

The following **XML Schema** element definitions are specific to this operation.

#### 3.1.4.1.2.1 CreateNavigationMetadata

The input data for the **CreateNavigationMetadata** WSDL operation.

```
<xs:element name="CreateNavigationMetadata">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="targetControlId" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="targetControlType" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="olapContextId" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="metadataContextId" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="reportLocation"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" maxOccurs="1" name="metadataAction" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**targetControlId:** String that identifies the control the navigation is being created for.

**targetControlType:** SHOULD be "OlapMetadata", MUST NOT be NULL and MUST NOT be empty, but MAY be anything else.

**olapContextId:** The name of the client-side OLAP context object variable.

**metadataContextId:** The name of the client-side view context object variable.

**reportLocation:** The location of a report as specified by RepositoryLocation (specified in [\[MS-PPSAS\]](#)). It MUST be present.

**metadataAction:** SHOULD be `<Action type="GetCubeMetadata"></Action>`, but MAY be anything else.

### 3.1.4.1.2.2 CreateNavigationMetadataResponse

The result data for the **CreateNavigationMetadata** WSDL operation.

```
<xs:element name="CreateNavigationMetadataResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="CreateNavigationMetadataResult"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**CreateNavigationMetadataResult:** A string value that is the script that fulfills the metadata request. For example, if the request is for cube metadata, the script returned would instantiate objects that would define the dimensions, hierarchies, and levels for the cube.

### 3.1.4.1.3 Complex Types

None.

### 3.1.4.1.4 Simple Types

None.

### 3.1.4.2 CreateReportHtml

This operation is used to generate an HTML fragment and associated JavaScript for a given list item.

```
<wsdl:operation name="CreateReportHtml">
  <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateReportHtml"
message="tns:IBIMonitoringServiceApplication_CreateReportHtml_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateReportHtmlResponse"
message="tns:IBIMonitoringServiceApplication_CreateReportHtml_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateReportHtmlBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_CreateReportHtml_BpmExceptionFault_FaultMessage"
/>
</wsdl:operation>
```

The protocol client sends a **CreateReportHtmlSoapIn** request message and the protocol server responds with a **CreateReportHtmlSoapOut** response message.



If there was an application error on the protocol server during the operation, the protocol server MUST return a SOAP fault response, which MAY contain any subcode. The exception MAY be one well known type, but MAY be anything else.

### 3.1.4.2.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.2.1.1 IBIMonitoringServiceApplication\_CreateReportHtml\_InputMessage

The requested WSDL message for the **CreateReportHtml** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/CreateReportHtml
```

The SOAP body contains the **CreateReportHtml** element.

#### 3.1.4.2.1.2 IBIMonitoringServiceApplication\_CreateReportHtml\_OutputMessage

The response WSDL message for the **CreateReportHtml** method.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/CreateReportHtmlResponse
```

The SOAP body contains the **CreateReportHtmlResponse** element.

### 3.1.4.2.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.2.2.1 CreateReportHtml

The input data for the **CreateReportHtml** WSDL operation.

```
<xs:element name="CreateReportHtml">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="proxyCacheAttempt" type="xs:boolean"/>
      <xs:element minOccurs="0" maxOccurs="1" name="targetControlId" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="targetControlType" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="olapContextId" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="availableHeight" type="xs:int"/>
      <xs:element minOccurs="1" maxOccurs="1" name="availableWidth" type="xs:int"/>
      <xs:element minOccurs="0" maxOccurs="1" name="reportLocation"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" maxOccurs="1" name="inboundParameters" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="navigationAction" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="viewProps" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="isAccessibilityMode" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
```

```
</xs:element>
```

**proxyCacheAttempt:** Indicates whether to attempt to retrieve the report information from cache.

**targetControlId:** The identifier of the <Div> element that will contain the resulting html.

**targetControlType:** The type of control to be rendered.

**olapContextId:** The name of the client-side OLAP context object variable.

**availableHeight:** The available height of the control, as reported by the browser client.

**availableWidth:** The available width of the control, as reported by the browser client.

**reportLocation:** The report location of the report being rendered.

**inboundParameters:** An array of parameters passed to the control being rendered.

**navigationAction:** Xml that defines what the command is doing to the report being rendered.

**viewProps:** Information about the current state of the report.

**isAccessibilityMode:** Indicates whether the client is in accessibility mode.

### 3.1.4.2.2 CreateReportHtmlResponse

The result data for the **CreateReportHtml** WSDL operation.

```
<xs:element name="CreateReportHtmlResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="proxyCacheKey" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="proxyCacheSubs"
type="tns:ArrayOfSubstitutionPair"/>
      <xs:element minOccurs="1" maxOccurs="1" name="proxyCacheExpiration"
type="xs:dateTime"/>
      <xs:element minOccurs="0" maxOccurs="1" name="html" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="script" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**proxyCacheKey:** Specifies the cache key associated with the rendered scorecard. It MUST NOT be null. The empty value means the result was not cached.

**proxyCacheSubs:** The HTML [\[HTML\]](#) MAY contain placeholders for dynamic information. The **proxyCachSubs** property specifies a list of value pairs (placeholder name and value for placeholder), as defined in ArrayOfSubstitutionPair (section [2.2.4.2](#)). The protocol client MUST apply the substitution pairs to the rendered html if the result was cached.

**proxyCacheExpiration:** Specifies a DateTime value for when the cached value expires. The value DateTime.MinValue means the result was not cached.

**html:** SHOULD contain an HTML fragment when no errors have occurred while retrieving the list item, otherwise MUST be empty.

**script:** MUST contain a JavaScript string that defines the report's metadata and user interaction.

### 3.1.4.2.3 Complex Types

None.

### 3.1.4.2.4 Simple Types

None.

### 3.1.4.3 DecompStartAnalyze

This operation is used to perform a drilldown query on an OLAP data cell.

```
<wsdl:operation name="DecompStartAnalyze">
  <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompStartAnalyze"
message="tns:IBIMonitoringServiceApplication_DecompStartAnalyze_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompStartAnalyzeResponse"
message="tns:IBIMonitoringServiceApplication_DecompStartAnalyze_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompStartAnalyzeBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_DecompStartAnalyze_BpmExceptionFault_FaultMessag
e"/>
</wsdl:operation>
```

If successful, this operation returns a non empty **DecompRenderResultRecord** record that contains data for a specific node in the form of a **DecompRenderResultLevel** and a **DecompRenderResultNode**.

#### 3.1.4.3.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.3.1.1 IBIMonitoringServiceApplication\_DecompStartAnalyze\_InputMessage

The requested WSDL message for the **DecompStartAnalyze** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/DecompSt
artAnalyze
```

The SOAP body contains the **DecompStartAnalyze** element.

##### 3.1.4.3.1.2

##### IBIMonitoringServiceApplication\_DecompStartAnalyze\_OutputMessage

The response WSDL message for the **DecompStartAnalyze** method.

The SOAP action value is:

The SOAP body contains the **DecompStartAnalyzeResponse** element.

### 3.1.4.3.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.3.2.1 DecompStartAnalyze

The input data for the **DecompStartAnalyze** WSDL operation.

```
<xs:element name="DecompStartAnalyze">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="type" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="location" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="tupleRecord"
type="tns:DecompTupleRecord"/>
      <xs:element minOccurs="0" maxOccurs="1" name="queryParameters"
type="tns:DecompQueryParameters"/>
      <xs:element minOccurs="0" maxOccurs="1" name="viewState" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**type:** Specifies the data source type. This element MUST be set to "olap", which means the **OLAP** type.

**location:** Specifies the First Class Object (FCO) location. This element MUST be a string identifying a session state known to the protocol server. It MUST NOT be null and MUST NOT be empty.

**tupleRecord:** Specifies named filters to be applied to the response. This element MUST be a **DecompTupleRecord** value. It MUST NOT be null.

**queryParameters:** Specifies the query parameters. This element MUST be a **DecompQueryParameters** value. It MUST NOT be null.

**viewState:** This element MAY be empty. If empty, this value is ignored. If non-empty, this value specifies additional information for the query.

#### 3.1.4.3.2.2 DecompStartAnalyzeResponse

The result data for the **DecompStartAnalyze** WSDL operation.

```
<xs:element name="DecompStartAnalyzeResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="DecompStartAnalyzeResult"
type="tns:DecompRenderResultRecord"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**DecompStartAnalyzeResult:** A **DecompRenderResultRecord** value.

### 3.1.4.3.3 Complex Types

The following XML Schema complex type definitions are specific to this operation.

#### 3.1.4.3.3.1 DecompTupleRecord

Specified in [\[MS-PPSDECO\]](#)

```
<xs:complexType name="DecompTupleRecord">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="RowSelections" type="tns:ArrayOfString"/>
    <xs:element minOccurs="0" maxOccurs="1" name="ColumnSelections"
type="tns:ArrayOfString"/>
    <xs:element minOccurs="0" maxOccurs="1" name="BackgroundMeasureName" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

**RowSelections:** MUST specify 0 or more filter names.

**ColumnSelections:** MUST specify 0 or more filter names.

**BackgroundMeasureName:** Specifies the associated measure name.

#### 3.1.4.3.4 Simple Types

None.

#### 3.1.4.4 ExportReport

Retrieves a report formatted as specified in [\[MS-XLSX\]](#) or [\[MS-PPTX\]](#) from the protocol server.

```
<wsdl:operation name="ExportReport">
  <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ExportReport" message="tns:IBIMonitoringServiceApplication_ExportReport_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ExportReportResponse"
message="tns:IBIMonitoringServiceApplication_ExportReport_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ExportReportBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_ExportReport_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication\_ExportReport\_InputMessage** request message and the protocol server responds with an **IBIMonitoringServiceApplication\_ExportReport\_OutputMessage** message as follows:

1. The protocol server receives a **JavaScript Object Notation (JSON)** [\[RFC4627\]](#) serialized string containing ExportSettings (see section [2.2.4.16](#)).
2. The protocol server receives the RepositoryLocation of a ReportView (specified in [\[MS-PPSAS\]](#)).

3. The protocol server receives a string which has been deprecated.
4. The protocol server MUST return OfficeExportInfo (see section [2.2.4.1](#)).

#### 3.1.4.4.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.4.1.1 IBIMonitoringServiceApplication\_ExportReport\_InputMessage

The requested WSDL message for the **ExportReport** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ExportReport
```

The SOAP body contains the **ExportReport** element.

##### 3.1.4.4.1.2 IBIMonitoringServiceApplication\_ExportReport\_OutputMessage

The response WSDL message for the **ExportReport** method.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ExportReportResponse
```

The SOAP body contains the **ExportReportResponse** element.

#### 3.1.4.4.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.4.2.1 ExportReport

The input data for the **ExportReport** WSDL operation.

```
<xs:element name="ExportReport">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="exportSettings" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="reportLocation" nillable="true"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" name="webPartContext" nillable="true"
xmlns:q9="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q9:WebPartContext"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**exportSettings:** A JSON [\[RFC4627\]](#) serialized string specified by ExportSettings (see section [2.2.4.16](#)) which lists all export settings. This element MUST be present.

**reportLocation:** The location of a report as specified by RepositoryLocation (specified in [\[MS-PPSAS\]](#)). It MUST be present.

**webPartContext:** Specifies the Web part's current context as defined in WebPartContext (section [2.2.4.21](#)).

### 3.1.4.4.2.2 ExportReportResponse

The result data for the **ExportReport** WSDL operation.

```
<xs:element name="ExportReportResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="ExportReportResult" nillable="true"
xmlns:q10="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon.Export" type="q10:OfficeExportInfo"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**ExportReportResult:** The export result as specified by OfficeExportInfo (see section [2.2.4.1](#)).

### 3.1.4.4.3 Complex Types

None.

### 3.1.4.4.4 Simple Types

None.

### 3.1.4.5 ExportScorecard

Retrieves a report formatted as specified in [\[MS-XLSX\]](#) or [\[MS-PPTX\]](#) from the protocol server.

```
<wsdl:operation name="ExportScorecard">
  <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ExportScorecard"
message="tns:IBIMonitoringServiceApplication_ExportScorecard_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ExportScorecardResponse"
message="tns:IBIMonitoringServiceApplication_ExportScorecard_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ExportScorecardBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_ExportScorecard_BpmExceptionFault_FaultMessage"/
>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication\_ExportScorecard\_InputMessage** request message and the protocol server responds with an **IBIMonitoringServiceApplication\_ExportScorecard\_OutputMessage** message as follows:

1. The protocol server receives a JavaScript Object Notation (JSON) [\[RFC4627\]](#) serialized string containing ExportSettings (see section [2.2.4.16](#)).
2. The protocol server receives the RepositoryLocation (specified in [\[MS-PPSAS\]](#)) of a Scorecard specified in [\[MS-PPSAS\]](#)).
3. The protocol server receives a string which has been deprecated.
4. The protocol server MUST return OfficeExportInfo (see section [2.2.4.1](#)).

### 3.1.4.5.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.5.1.1 IBIMonitoringServiceApplication\_ExportScorecard\_InputMessage

The requested WSDL message for the **ExportScorecard** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ExportScorecard
```

The SOAP body contains the **ExportScorecard** element.

#### 3.1.4.5.1.2 IBIMonitoringServiceApplication\_ExportScorecard\_OutputMessage

The response WSDL message for the **ExportScorecard** method.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ExportScorecardResponse
```

The SOAP body contains the **ExportScorecardResponse** element.

### 3.1.4.5.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.5.2.1 ExportScorecard

The input data for the **ExportScorecard** WSDL operation.

```
<xs:element name="ExportScorecard">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="exportSettings" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="scorecardLocation" nillable="true"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" name="webPartContext" nillable="true"
xmlns:q11="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q11:WebPartContext"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```



```
</xs:element>
```

**exportSettings:** A JSON [\[RFC4627\]](#) serialized string specified by ExportSettings (see section [2.2.4.16](#)) which lists all export settings. It MUST be present.

**scorecardLocation:** The location of a scorecard, as specified by RepositoryLocation (specified in [\[MS-PPSAS\]](#)). It MUST be present.

**webPartContext:** Specifies the Web part's current context as defined in WebPartContext (section [2.2.4.21](#)).

### 3.1.4.5.2 ExportScorecardResponse

The result data for the **ExportScorecard** WSDL operation.

```
<xs:element name="ExportScorecardResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="ExportScorecardResult" nillable="true"
        xmlns:q12="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
        erCommon.Export" type="q12:OfficeExportInfo"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**ExportScorecardResult:** The export result as specified by OfficeExportInfo (see section [2.2.4.1](#)).

### 3.1.4.5.3 Complex Types

None.

### 3.1.4.5.4 Simple Types

None.

### 3.1.4.6 GetDrillThroughPreview

This operation is used to perform a drill through query on an OLAP data cell.

```
<wsdl:operation name="GetDrillThroughPreview">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
    tion/GetDrillThroughPreview"
    message="tns:IBIMonitoringServiceApplication_GetDrillThroughPreview_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
    tion/GetDrillThroughPreviewResponse"
    message="tns:IBIMonitoringServiceApplication_GetDrillThroughPreview_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
    tion/GetDrillThroughPreviewBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetDrillThroughPreview_BpmExceptionFault_FaultMe
    ssage"/>
</wsdl:operation>
```

This operation executes an OLAP query using the cell definition provided with the *tupleXml* element to return a table of results.

### 3.1.4.6.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.6.1.1

#### **IBIMonitoringServiceApplication\_GetDrillThroughPreview\_InputMessage**

The requested WSDL message for the **GetDrillThroughPreview** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetDrillThroughPreview
```

The SOAP body contains the **GetDrillThroughPreview** element.

#### 3.1.4.6.1.2

#### **IBIMonitoringServiceApplication\_GetDrillThroughPreview\_OutputMessage**

The response WSDL message for the **GetDrillThroughPreview** method.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetDrillThroughPreviewResponse
```

The SOAP body contains the **GetDrillThroughPreviewResponse** element.

### 3.1.4.6.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.6.2.1 GetDrillThroughPreview

The input data for the **GetDrillThroughPreview** WSDL operation.

```
<xs:element name="GetDrillThroughPreview">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="fcoLocation"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" maxOccurs="1" name="isScorecard" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="page" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="tupleXml" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="resultTableIndex" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="isAccessibleMode" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**fcoLocation:** The location of the report on the protocol server as specified by **RepositoryLocation** (specified in [\[MS-PPSAS\]](#)). This element MUST be present.

**isScorecard:** If "true", specifies that the request originated from a scorecard view.

**page:** This value can specify one of three things.

1. It can be set to a value specifying which page of data to return with the results. For example, a value of "1" will return the first page of data.
2. It can be set to a value of "0", which will return ALL of the data.
3. It can be set to "excel" which will export the data to the format specified in [\[MS-XLSX\]](#). If set to "excel" the result elements of *officeDocumentBytes* and *documentFileName* will return with the exported results. MUST NOT be NULL and MUST NOT be empty.

**tupleXml:** Specifies specific named filters to be applied to the results. MUST NOT be NULL and MUST NOT be empty.

**resultTableIndex:** MAY be empty. If empty, this value is ignored. If not empty, this value indicates that this operation is being used to retrieve a drill through cell level action. This value is zero based and specifies the index of the drill through action associated with this cell. For example, a value of "0" will return the first drill through cell level action.

**isAccessibleMode:** Indicates whether the client is in accessibility mode.

### 3.1.4.6.2.2 GetDrillThroughPreviewResponse

The result data for the **GetDrillThroughPreview** WSDL operation.

```
<xs:element name="GetDrillThroughPreviewResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetDrillThroughPreviewResult"
type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="title" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="officeDocumentBytes"
type="xs:base64Binary"/>
      <xs:element minOccurs="0" maxOccurs="1" name="documentFileName" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetDrillThroughPreviewResult:** The html [\[HTML\]](#) content to be rendered on the client. If the *page* element is set to "excel" this value will be empty.

**title:** A brief description of the query to be used as a title.

**officeDocumentBytes:** If the *page* element is set to "excel", this value will contain results in the format specified in [\[MS-XLSX\]](#). If the *page* element is not set to "excel", this value will be empty.

**documentFileName:** If the *page* element is set to "excel", this value will contain the name of the [MS-XLSX] formatted file. If the *page* element is not set to "excel", this value will be empty.

### 3.1.4.6.3 Complex Types

None.

### 3.1.4.6.4 Simple Types

None.

### 3.1.4.7 GetFilterDependencies

This operation retrieves the required external dependencies for rendering a filter.

```
<wsdl:operation name="GetFilterDependencies">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetFilterDependencies"
    message="tns:IBIMonitoringServiceApplication_GetFilterDependencies_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetFilterDependenciesResponse"
    message="tns:IBIMonitoringServiceApplication_GetFilterDependencies_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetFilterDependenciesBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetFilterDependencies_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication\_GetFilterDependencies\_InputMessage** message and the protocol server responds with an **IBIMonitoringServiceApplication\_GetFilterDependencies\_OutputMessage** response message as follows:

1. The protocol client sends a **RepositoryLocation** referencing the **Filter** (specified in [\[MS-PPSAS\]](#)) for which to retrieve the rendering dependencies.
2. The protocol server responds with a **ResourceDependencies** (see section [2.2.4.18](#)) containing the resources needed for rendering.
3. If an error occurs, the protocol server MUST return a **FaultException** response as detailed in section [2.2.9](#).

#### Exceptions:

ErrorCode	Description
CreateReturnedNull	See section <a href="#">2.2.9.3</a> for the Common List of Error Codes.
NotAParameterizableControl	See section <a href="#">2.2.9.3</a> for the Common List of Error Codes.

### 3.1.4.7.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.7.1.1

### IBIMonitoringServiceApplication\_GetFilterDependencies\_InputMessage

The requested WSDL message for the **GetFilterDependencies** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetFilterDependencies
```

The SOAP body contains the **GetFilterDependencies** element.

#### 3.1.4.7.1.2

##### **IBIMonitoringServiceApplication\_GetFilterDependencies\_OutputMessage**

The response WSDL message for the **GetFilterDependencies** method.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetFilterDependenciesResponse
```

The SOAP body contains the **GetFilterDependenciesResponse** element.

#### 3.1.4.7.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.7.2.1 **GetFilterDependencies**

The input data for the **GetFilterDependencies** WSDL operation.

```
<xs:element name="GetFilterDependencies">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="filterLocation"
type="tns:RepositoryLocation"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**filterLocation:** The location of the **Filter** on the protocol server as specified by **RepositoryLocation** (specified in [\[MS-PPSAS\]](#)). This element **MUST** be present, and the **ItemUrl** property of this element **MUST NOT** be empty.

##### 3.1.4.7.2.2 **GetFilterDependenciesResponse**

The result data for the **GetFilterDependencies** WSDL operation.

```
<xs:element name="GetFilterDependenciesResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetFilterDependenciesResult"
type="tns:ResourceDependencies"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetFilterDependenciesResult:** The resources that are needed for rendering as specified by **ResourceDependencies** (see section [2.2.4.18](#)).

### 3.1.4.7.3 Complex Types

None.

### 3.1.4.7.4 Simple Types

None.

### 3.1.4.8 GetFilterDisplayData

This operation retrieves a data table of filter display data from the protocol server.

```
<wsdl:operation name="GetFilterDisplayData">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetFilterDisplayData"
    message="tns:IBIMonitoringServiceApplication_GetFilterDisplayData_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetFilterDisplayDataResponse"
    message="tns:IBIMonitoringServiceApplication_GetFilterDisplayData_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetFilterDisplayDataBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetFilterDisplayData_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an `IBIMonitoringServiceApplication_GetFilterDisplayData_InputMessage` request message and the protocol server responds with an `IBIMonitoringServiceApplication_GetFilterDisplayData_OutputMessage` message as follows:

1. The protocol server receives the input data for a **GetFilterDisplayData** WSDL operation as specified in section [3.1.4.8.2.1](#).
2. The protocol server creates the `DataTable` using the Filter ([\[MS-PPSAS\]](#) section 2.2.4.99) data source and **SubTypeId** referenced by **filterLocation**, and the `GridViewData` ([\[MS-PPSAS\]](#) section 2.2.4.110) referenced by **customData**.

Exceptions:

ErrorCode	Description
FCOReadFailed	See section <a href="#">2.2.9.3</a> , Common list of Error Codes.
FCOReadFailedListAccess	See section <a href="#">2.2.9.3</a> , Common list of Error Codes.

In case of any failure, the `ErrorCode` MUST be one of the values specified in section [2.2.9.2](#). A detailed specification of how exceptions are reported by the protocol server is in section [2.2.9](#).

#### 3.1.4.8.1 Messages

The following WSDL message definitions are specific to this operation.

### 3.1.4.8.1.1 IBIMonitoringServiceApplication\_GetFilterDisplayData\_InputMessage

The requested WSDL message for the **GetFilterDisplayData** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetFilterDisplayData
```

The SOAP body contains the **GetFilterDisplayData** element.

### 3.1.4.8.1.2 IBIMonitoringServiceApplication\_GetFilterDisplayData\_OutputMessage

The response WSDL message for the **GetFilterDisplayData** method.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetFilterDisplayDataResponse
```

The SOAP body contains the **GetFilterDisplayDataResponse** element.

### 3.1.4.8.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.8.2.1 GetFilterDisplayData

The input data for the **GetFilterDisplayData** WSDL operation.

```
<xs:element name="GetFilterDisplayData">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="filterLocation"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" maxOccurs="1" name="parameterDefinition"
type="tns:ParameterDefinition"/>
      <xs:element minOccurs="0" maxOccurs="1" name="selections" type="tns:ArrayOfString"/>
      <xs:element minOccurs="1" maxOccurs="1" name="useSavedUserSelections"
type="xs:boolean"/>
      <xs:element minOccurs="1" maxOccurs="1" name="selectionsOnly" type="xs:boolean"/>
      <xs:element minOccurs="0" maxOccurs="1" name="webPartContext"
type="tns:WebPartContext"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**filterLocation:** A RepositoryLocation as specified in [\[MS-PPSAS\]](#). This MUST be present and contain the location of a Filter.

**parameterDefinition:** Specifies the ParameterDefinition as specified in [\[MS-PPSAS\]](#). It MUST not be null and the property ParameterProviderId MUST refer to one of the Filter parameter data providers registered on the server.

**selections:** A **List** of the current user selections. This value is optional and has a default value of null.

**useSavedUserSelections:** If **selections** is empty, this **Boolean** value specifies whether saved user selections will be returned.

**selectionsOnly:** A Boolean value that specifies whether display data will be returned solely for **selections**.

**webPartContext:** Specifies the Web part's current context as defined in WebPartContext (section [2.2.4.21](#)).

### 3.1.4.8.2.2 GetFilterDisplayDataResponse

The result data for the **GetFilterDisplayData** WSDL operation.

```
<xs:element name="GetFilterDisplayDataResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetFilterDisplayDataResult">
        <xs:complexType>
          <xs:sequence>
            <xs:any minOccurs="0" maxOccurs="unbounded"
              namespace="http://www.w3.org/2001/XMLSchema" processContents="lax"/>
            <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
              processContents="lax"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetFilterDisplayDataResult:** Specifies the contents of a DataTable object representing the requested Filter display data containing all the columns produced by the specific Filter parameter type.

### 3.1.4.8.3 Complex Types

None.

### 3.1.4.8.4 Simple Types

None.

### 3.1.4.9 GetParameterMessageData

This operation retrieves a DataTable containing all of the selected values of a parameter.

```
<wsdl:operation name="GetParameterMessageData">
  <wsdl:input>
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetParameterMessageData"
    message="tns:IBIMonitoringServiceApplication_GetParameterMessageData_InputMessage"/>
  <wsdl:output>
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
```



```

tion/GetParameterMessageDataResponse"
message="tns:IBIMonitoringServiceApplication_GetParameterMessageData_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetParameterMessageDataBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetParameterMessageData_BpmExceptionFault_FaultM
essage"/>
</wsdl:operation>

```

The protocol client sends an `IBIMonitoringServiceApplication_GetParameterMessageData_InputMessage` request message and the protocol server responds with an `IBIMonitoringServiceApplication_GetParameterMessageData_OutputMessage` message as follows:

1. The protocol server receives the input data for a `GetParameterMessageData` WSDL operation as specified in section [3.1.4.9.2.1](#).
2. The protocol server creates a `DataTable` that contains the columns specified by the parameter type and a row for each selection of the parameter.

Exceptions:

ErrorCode	Description
DataSourceConnectionFailed	See section <a href="#">2.2.9.3</a> for the common list of error codes.
FCOReadFailed	See section <a href="#">2.2.9.3</a> for the common list of error codes.
FCOReadFailedListAccess	See section <a href="#">2.2.9.3</a> for the common list of error codes.
InvalidPermission	See section <a href="#">2.2.9.3</a> for the common list of error codes.
InvalidPostFormula	See section <a href="#">2.2.9.3</a> for the common list of error codes.
OperationContextNull	See section <a href="#">2.2.9.3</a> for the common list of error codes.
ParameterDataProviderNotRegistered	See section <a href="#">2.2.9.3</a> for the common list of error codes.
PostFormulaResultEmpty	See section <a href="#">2.2.9.3</a> for the common list of error codes.
Unknown	See section <a href="#">2.2.9.3</a> for the common list of error codes.

In case of any failure, the `ErrorCode` MUST be one of the values specified in section [2.2.9.2](#). A detailed specification of how exceptions are reported by the protocol server is in section [2.2.9](#).

### 3.1.4.9.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.9.1.1

#### **IBIMonitoringServiceApplication\_GetParameterMessageData\_InputMessage**

The requested WSDL message for the `GetParameterMessageData` WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetParameterMessageData>

The SOAP body contains the **GetParameterMessageData** element.

### 3.1.4.9.1.2

#### **IBIMonitoringServiceApplication\_GetParameterMessageData\_OutputMessage**

The response WSDL message for the **GetParameterMessageData** method.

The SOAP action value is:

<http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetParameterMessageDataResponse>

The SOAP body contains the **GetParameterMessageDataResponse** element.

### 3.1.4.9.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.9.2.1 GetParameterMessageData

The input data for the **GetParameterMessageData** WSDL operation.

```
<xs:element name="GetParameterMessageData">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="providerLocation" nillable="true"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" name="parameterMessage" nillable="true"
xmlns:q37="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q37:ParameterMessage"/>
      <xs:element minOccurs="0" name="parameterSourceLocation" nillable="true"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" name="parameterMapping" nillable="true"
xmlns:q38="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q38:ParameterMapping"/>
      <xs:element minOccurs="0" name="webPartContext" nillable="true"
xmlns:q39="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q39:WebPartContext"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**providerLocation:** The parameter provider's location as specified in [\[MS-PPSAS\]](#) section 2.2.4.143.

**parameterMessage:** The parameter message as specified by ParameterMessage (section [2.2.4.17](#)). The value MUST NOT be null.

**parameterSourceLocation:** The parameter provider's data source location as specified in [\[MS-PPSAS\]](#) section 2.2.4.143.

**parameterMapping:** The mapping between the parameter and the consumer Web part is specified by ParameterMapping ([\[MS-PPSAS\]](#) section 2.2.4.157).

**webPartContext:** Specifies the Web part's current context as defined in WebPartContext (section [2.2.4.21](#)).

### 3.1.4.9.2.2 GetParameterMessageDataResponse

The result data for the **GetParameterMessageData** WSDL operation.

```
<xs:element name="GetParameterMessageDataResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="GetParameterMessageDataResult" nillable="true">
        <xs:complexType>
          <xs:sequence>
            <xs:any minOccurs="0" maxOccurs="unbounded"
              namespace="http://www.w3.org/2001/XMLSchema" processContents="lax"/>
            <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
              processContents="lax"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetParameterMessageDataResult:** Specifies a DataTable containing all of the selected values of a parameter.

### 3.1.4.9.3 Complex Types

None.

### 3.1.4.9.4 Simple Types

None.

### 3.1.4.10 GetRenderControlPreview

This method is used when a control is HTML rendered directly to the report preview page that is render within the report designer. The report control preview rendering has its own enabled feature set. Additionally, the report control preview does not accept parameters from Web Part connections.

```
<wsdl:operation name="GetRenderControlPreview">
  <wsdl:input>
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetRenderControlPreview"
    message="tns:IBIMonitoringServiceApplication_GetRenderControlPreview_InputMessage"/>
  <wsdl:output>
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetRenderControlPreviewResponse"
    message="tns:IBIMonitoringServiceApplication_GetRenderControlPreview_OutputMessage"/>
  <wsdl:fault>
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetRenderControlPreviewBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetRenderControlPreview_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends a **GetRenderControlPreviewSoapIn** request and the protocol server responds with a **GetRenderControlPreviewSoapOut** message as follows:

1. The protocol client sends a temporary First Class Object (FCO) RepositoryLocation (specified in [\[MS-PPSAS\]](#)) for the report control to be rendered.
2. Define a set of report control render properties that affect the generated HTML.
3. In the case where a render exception occurs, an HTML error message is the rendered HTML.
4. A report control supports paging data when the results are too large. Paging means the result data is rendered in separate parts. Each part can be request to be rendered.
5. The protocol server attempts to send the corresponding report control rendered HTML.

In case of failure, the ErrorCode MUST be one of the values specified in [\[MS-PPSAS\]](#).

### 3.1.4.10.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.10.1.1

#### **IBIMonitoringServiceApplication\_GetRenderControlPreview\_InputMessage**

The requested WSDL message for the **GetRenderControlPreview** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetRenderControlPreview
```

The SOAP body contains the **GetRenderControlPreview** element.

#### 3.1.4.10.1.2

#### **IBIMonitoringServiceApplication\_GetRenderControlPreview\_OutputMessage**

The response WSDL message for the **GetRenderControlPreview** method.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetRenderControlPreviewResponse
```

The SOAP body contains the **GetRenderControlPreviewResponse** element.

### 3.1.4.10.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.10.2.1 **GetRenderControlPreview**

The input data for the **GetRenderControlPreview** WSDL operation.

```
<xs:element name="GetRenderControlPreview">
```

```

<xs:complexType>
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="fcoLocation"
type="tns:RepositoryLocation"/>
    <xs:element minOccurs="0" maxOccurs="1" name="viewType" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="width" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="height" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="nav" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="isDesigner" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="pageQuery" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

**fcoLocation:** A RepositoryLocation as specified in [\[MS-PPSAS\]](#) MUST be present.

**viewType:** The assembly strong name of the report control implementation. This is used to create a new web control instance.

**width:** The width of the report control HTML render HTML markup.

**height:** The height of the report control HTML render HTML markup.

**nav:** Unused.

**isDesigner:** The value "true" means the report control is hosted by the report designer and changes the generated HTML.

**pageQuery:** When the report control supports data result paging, this defines the currently rendered data result.

### 3.1.4.10.2.2 GetRenderControlPreviewResponse

The result data for the **GetRenderControlPreview** WSDL operation.

```

<xs:element name="GetRenderControlPreviewResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetRenderControlPreviewResult"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetRenderControlPreviewResult:** The report control rendered HTML markup.

### 3.1.4.10.3 Complex Types

None.

### 3.1.4.10.4 Simple Types

None.

### 3.1.4.11 GetReportDependencies

This operation retrieves the required external dependencies for rendering a report.

```
<wsdl:operation name="GetReportDependencies">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetReportDependencies"
    message="tns:IBIMonitoringServiceApplication_GetReportDependencies_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetReportDependenciesResponse"
    message="tns:IBIMonitoringServiceApplication_GetReportDependencies_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetReportDependenciesBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetReportDependencies_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication\_GetReportDependencies\_InputMessage** message and the protocol server responds with an **IBIMonitoringServiceApplication\_GetReportDependencies\_OutputMessage** response message as follows:

1. The protocol client sends a **RepositoryLocation** (specified in [\[MS-PPSAS\]](#).) referencing the **ReportView** (specified in [\[MS-PPSAS\]](#)) for which to retrieve the rendering dependencies.
2. The protocol server responds with a **ResourceDependencies** (see section [2.2.4.18](#)) containing the resources needed for proper rendering.
3. If an error occurs, the protocol server MUST return a **FaultException** response as detailed in section [2.2.9](#).

#### Exceptions:

ErrorCode	Description
CreateReturnedNull	See <a href="#">2.2.9.3</a> for the Common List of Error Codes.
NotAParameterizableControl	See <a href="#">2.2.9.3</a> for the Common List of Error Codes.

#### 3.1.4.11.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.11.1.1

#### **IBIMonitoringServiceApplication\_GetReportDependencies\_InputMessage**

The requested WSDL message for the **GetReportDependencies** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetReportDependencies
```

The SOAP body contains the **GetReportDependencies** element.

#### 3.1.4.11.1.2

#### **IBIMonitoringServiceApplication\_GetReportDependencies\_OutputMessage**

The response WSDL message for the **GetReportDependencies** method.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetReportDependenciesResponse
```

The SOAP body contains the **GetReportDependenciesResponse** element.

#### 3.1.4.11.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.11.2.1 **GetReportDependencies**

The input data for the **GetReportDependencies** WSDL operation.

```
<xs:element name="GetReportDependencies">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="reportLocation"
type="tns:RepositoryLocation"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**reportLocation:** The location of the ReportView (specified in [\[MS-PPSAS\]](#)) on the protocol server as specified by RepositoryLocation ([MS-PPSAS]). This element **MUST** be present, and the ItemUrl property of this element **MUST NOT** be empty.

##### 3.1.4.11.2.2 **GetReportDependenciesResponse**

The result data for the **GetReportDependencies** WSDL operation.

```
<xs:element name="GetReportDependenciesResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetReportDependenciesResult"
type="tns:ResourceDependencies"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetReportDependenciesResult:** The resources that are needed for rendering as specified by **ResourceDependencies** (see section [2.2.4.18](#)).

### 3.1.4.11.3 Complex Types

None.

### 3.1.4.11.4 Simple Types

None.

### 3.1.4.12 GetReportViewImageData

A request to retrieve a report control image data. An analytic chart report is an example where its chart view image data is retrieved.

```
<wsdl:operation name="GetReportViewImageData">
  <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetReportViewImageData"
message="tns:IBIMonitoringServiceApplication_GetReportViewImageData_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetReportViewImageDataResponse"
message="tns:IBIMonitoringServiceApplication_GetReportViewImageData_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetReportViewImageDataBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetReportViewImageData_BpmExceptionFault_FaultMe
ssage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication\_GetReportViewImageData\_InputMessage** request and the protocol server responds with an **IBIMonitoringServiceApplication\_GetReportViewImageData\_OutputMessage** message as follows:

1. The protocol client sends a temporary First Class Object (FCO) RepositoryLocation (specified in [\[MS-PPSAS\]](#)) for the report control to be rendered.
2. The report control view image data cache key.
3. The image height and width.
4. The starting x-axis column and the number of column data to return.
5. In the case where a render exception occurs, an empty view image data is returned.
6. The protocol server attempts to send the corresponding report control view image data.

In case of failure, the ErrorCode MUST be one of the values specified in section [2.2.9.3](#).

#### 3.1.4.12.1 Messages

The following WSDL message definitions are specific to this operation.



### 3.1.4.12.1.1

#### **IBIMonitoringServiceApplication\_GetReportViewImageData\_InputMessage**

The requested WSDL message for the **GetReportViewImageData** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetReportViewImageData
```

The SOAP body contains the **GetReportViewImageData** element.

### 3.1.4.12.1.2

#### **IBIMonitoringServiceApplication\_GetReportViewImageData\_OutputMessage**

The response WSDL message for the **GetReportViewImageData** method.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetReportViewImageDataResponse
```

The SOAP body contains the **GetReportViewImageDataResponse** element.

### 3.1.4.12.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.12.2.1 GetReportViewImageData

The input data for the **GetReportViewImageData** WSDL operation.

```
<xs:element name="GetReportViewImageData">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="proxyCacheAttempt" type="xs:boolean"/>
      <xs:element minOccurs="0" maxOccurs="1" name="externalkey" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="tempFcoLocation"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="1" maxOccurs="1" name="height" type="xs:int"/>
      <xs:element minOccurs="1" maxOccurs="1" name="width" type="xs:int"/>
      <xs:element minOccurs="1" maxOccurs="1" name="colStart" type="xs:int"/>
      <xs:element minOccurs="1" maxOccurs="1" name="colCount" type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**proxyCacheAttempt:** Specifies whether the render operation should use the proxy cache.

**externalkey:** A unique value combined with the user's identity to identify the generated report.

**tempFcoLocation:** A temporary First Class Object (FCO) RepositoryLocation as specified in [\[MS-PPSAS\]](#). MUST be present.

**height:** The height of the report control view image data.

**width:** The width of the report control view image data.

**colStart:** The starting x-axis column for the returned report control view image data. This number is zero-based.

**colCount:** The number of data columns to include in the view image data result.

### 3.1.4.12.2.2 GetReportViewImageDataResponse

The result data for the **GetReportViewImageData** WSDL operation.

```
<xs:element name="GetReportViewImageDataResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="GetReportViewImageDataResult"
type="xs:boolean"/>
      <xs:element minOccurs="0" maxOccurs="1" name="key" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="proxyCacheExpiration"
type="xs:dateTime"/>
      <xs:element minOccurs="0" maxOccurs="1" name="mimeType" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="viewHtml" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="bytesImageData" type="xs:base64Binary"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetReportViewImageDataResult:** True means the report view image data is defined.

**key:** A unique value identifying the generated report.

**proxyCacheExpiration:** Specifies a DateTime value for when the cached value expires. The value DateTime.MinValue means the result was not cached.

**mimeType:** The report control view image **MIME** type. The value is "image/png" or "text".

**viewHtml:** The data image is only defined when the MIME type is "text".

**bytesImageData:** The report view image data as a byte array. This data is defined when the MIME type is not "text".

### 3.1.4.12.3 Complex Types

None.

### 3.1.4.12.4 Simple Types

None.

### 3.1.4.13 GetScorecardDependencies

This operation retrieves the required external dependencies for rendering a scorecard.

```
<wsdl:operation name="GetScorecardDependencies">
```

```

    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetScorecardDependencies"
message="tns:IBIMonitoringServiceApplication_GetScorecardDependencies_InputMessage"/>
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetScorecardDependenciesResponse"
message="tns:IBIMonitoringServiceApplication_GetScorecardDependencies_OutputMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetScorecardDependenciesBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetScorecardDependencies_BpmExceptionFault_Fault
Message"/>
</wsdl:operation>

```

The protocol client sends an **IBIMonitoringServiceApplication\_GetScorecardDependencies\_InputMessage** message and the protocol server responds with an **IBIMonitoringServiceApplication\_GetScorecardDependencies\_OutputMessage** response message as follows:

1. The protocol client sends a **RepositoryLocation** (specified in [\[MS-PPSAS\]](#)) referencing the **Scorecard** (specified in [\[MS-PPSAS\]](#)) for which to retrieve the rendering dependencies.
2. The protocol server responds with a **ResourceDependencies** (see section [2.2.4.18](#)) containing the resources needed for proper rendering.
3. If an error occurs, the protocol server MUST return a **FaultException** response as detailed in section [2.2.9](#).

#### Exceptions:

Error Code	Description
CreateReturnedNull	See section <a href="#">2.2.9.3</a> for the Common List of Error Codes.
NotAParameterizableControl	See section <a href="#">2.2.9.3</a> for the Common List of Error Codes.

### 3.1.4.13.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.13.1.1

#### **IBIMonitoringServiceApplication\_GetScorecardDependencies\_InputMessage**

The requested WSDL message for the **GetScorecardDependencies** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetScore
cardDependencies

```

The SOAP body contains the **GetScorecardDependencies** element.

### 3.1.4.13.1.2

#### **IBIMonitoringServiceApplication\_GetScorecardDependencies\_OutputMessage**

The response WSDL message for the **GetScorecardDependencies** method.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetScorecardDependenciesResponse
```

The SOAP body contains the **GetScorecardDependenciesResponse** element.

### 3.1.4.13.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.13.2.1 **GetScorecardDependencies**

The input data for the **GetScorecardDependencies** WSDL operation.

```
<xs:element name="GetScorecardDependencies">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="scorecardLocation"
type="tns:RepositoryLocation"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**scorecardLocation:** The location of the **Scorecard** (specified in [\[MS-PPSAS\]](#)) on the protocol server as specified by **RepositoryLocation** (specified in [\[MS-PPSAS\]](#)). This element **MUST** be present, and the **ItemUrl** property of this element **MUST NOT** be empty.

#### 3.1.4.13.2.2 **GetScorecardDependenciesResponse**

The result data for the **GetScorecardDependencies** WSDL operation.

```
<xs:element name="GetScorecardDependenciesResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetScorecardDependenciesResult"
type="tns:ResourceDependencies"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetScorecardDependenciesResult:** The resources that are needed for rendering as specified by **ResourceDependencies** (see section [2.2.4.18](#)).

### 3.1.4.13.3 Complex Types

None.

### 3.1.4.13.4 Simple Types

None.

### 3.1.4.14 GetSetting

This method retrieves a configuration setting.

```
<wsdl:operation name="GetSetting">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSetting" message="tns:IBIMonitoringServiceApplication_GetSetting_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettingResponse"
    message="tns:IBIMonitoringServiceApplication_GetSetting_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettingBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetSetting_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication\_GetSetting\_InputMessage** message and the protocol server responds with an **IBIMonitoringServiceApplication\_GetSetting\_OutputMessage** response message as follows:

1. The protocol client sends a string identifying the setting to the retrieved.
2. The protocol server responds with the corresponding configuration setting.

#### Exceptions:

ErrorCode	Description
Unknown	See section <a href="#">2.2.9.3</a> for the Common List of Error Codes.

In case of any failure, the ErrorCode MUST be one of the values specified in section [2.2.9.2](#). A detailed specification of how exceptions are reported by the protocol server is in section [2.2.9](#).

### 3.1.4.14.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.14.1.1 IBIMonitoringServiceApplication\_GetSetting\_InputMessage

The requested WSDL message for the **GetSetting** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSetting
```

The SOAP body contains the **GetSetting** element.

### 3.1.4.14.1.2 IBIMonitoringServiceApplication\_GetSetting\_OutputMessage

The response WSDL message for the **GetSetting** method.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettingResponse
```

The SOAP body contains the **GetSettingResponse** element.

### 3.1.4.14.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.14.2.1 GetSetting

The input data for the **GetSetting** WSDL operation.

```
<xs:element name="GetSetting">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="key" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**key:** A unique value identifying the setting to be retrieved. The value **MUST** be one of the keys listed in section [2.2.4.20](#).

#### 3.1.4.14.2.2 GetSettingResponse

The result data for the **GetSetting** WSDL operation.

```
<xs:element name="GetSettingResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetSettingResult" type="tns:Setting"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetSettingResult:** The current configuration setting, as specified in section [2.2.4.20](#). **Key** **MUST** be equal to the requested key. **Type** **MUST** be the **SettingType** corresponding to the key. **Value** **MUST NOT** be null.

### 3.1.4.14.3 Complex Types

None.

### 3.1.4.14.4 Simple Types

None.

### 3.1.4.15 GetSettings

This method retrieves all configuration settings (see section [2.2.4.20](#)).

```
<wsdl:operation name="GetSettings">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettings" message="tns:IBIMonitoringServiceApplication_GetSettings_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettingsResponse"
    message="tns:IBIMonitoringServiceApplication_GetSettings_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettingsBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetSettings_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication\_GetSettings\_InputMessage** message and the protocol server responds with an **IBIMonitoringServiceApplication\_GetSettings\_OutputMessage** response message as follows:

1. The protocol client sends the request.
2. The protocol server responds with the collection of settings (see section [2.2.4.20](#)).

#### Exceptions:

ErrorCode	Description
Unknown	See section <a href="#">2.2.9.3</a> for the Common List of Error Codes.

In case of any failure, the ErrorCode MUST be one of the values specified in section [2.2.9.2](#). A detailed specification of how exceptions are reported by the protocol server is in section [2.2.9](#).

#### 3.1.4.15.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.15.1.1 IBIMonitoringServiceApplication\_GetSettings\_InputMessage

The requested WSDL message for the **GetSettings** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettings
```

The SOAP body contains the **GetSettings** element.

##### 3.1.4.15.1.2 IBIMonitoringServiceApplication\_GetSettings\_OutputMessage

The response WSDL message for the **GetSettings** method.

The SOAP action value is:

<http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettingsResponse>

The SOAP body contains the **GetSettingsResponse** element.

### 3.1.4.15.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.15.2.1 GetSettings

The input data for the **GetSettings** WSDL operation.

```
<xs:element name="GetSettings">
  <xs:complexType/>
</xs:element>
```

#### 3.1.4.15.2.2 GetSettingsResponse

The result data for the **GetSettings** WSDL operation.

```
<xs:element name="GetSettingsResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetSettingsResult"
        type="tns:ArrayOfSetting"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetSettingsResult:** The current configuration settings, as specified in section [3.1.4.15.3.1](#). For each **Setting** in the array:

- **Key** MUST be equal to the a key specified in [2.2.4.20](#).
- **Type** MUST be the **SettingType** corresponding to the key.
- **Value** MUST NOT be null.

### 3.1.4.15.3 Complex Types

The following XML Schema complex type definitions are specific to this operation.

#### 3.1.4.15.3.1 ArrayOfSetting

The ArrayOfSetting complex type defines an array of Setting (section [2.2.4.20](#)) complex type.

```
<xs:complexType name="ArrayOfSetting">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="Setting" nillable="true"
      type="tns:Setting"/>
  </xs:sequence>
</xs:complexType>
```



**Setting:** This element MUST NOT be null and MUST conform to the schema of the Setting (section [2.2.4.20](#)) complex type.

### 3.1.4.15.4 Simple Types

None.

### 3.1.4.16 GetSettingValue

This method retrieves the current value of a configuration setting.

```
<wsdl:operation name="GetSettingValue">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettingValue"
    message="tns:IBIMonitoringServiceApplication_GetSettingValue_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettingValueResponse"
    message="tns:IBIMonitoringServiceApplication_GetSettingValue_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettingValueBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetSettingValue_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication\_GetSettingValue\_InputMessage** message and the protocol server responds with an **IBIMonitoringServiceApplication\_GetSettingValue\_OutputMessage** response message as follows:

1. The protocol client sends a string identifying the setting to be retrieved.
2. The protocol server responds with the string value of the corresponding setting.

#### Exceptions:

ErrorCode	Description
Unknown	See section <a href="#">2.2.9.3</a> for the Common List of Error Codes.

In case of any failure, the ErrorCode MUST be one of the values specified in section [2.2.9.3](#). A detailed specification of how exceptions are reported by the protocol server is in section [2.2.9](#).

### 3.1.4.16.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.16.1.1 IBIMonitoringServiceApplication\_GetSettingValue\_InputMessage

The requested WSDL message for the **GetSettingValue** WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettingValue>

The SOAP body contains the **GetSettingValue** element.

### 3.1.4.16.1.2 IBIMonitoringServiceApplication\_GetSettingValue\_OutputMessage

The response WSDL message for the **GetSettingValue** method.

The SOAP action value is:

<http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettingValueResponse>

The SOAP body contains the **GetSettingValueResponse** element.

### 3.1.4.16.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.16.2.1 GetSettingValue

The input data for the **GetSettingValue** WSDL operation.

```
<xs:element name="GetSettingValue">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="key" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**key:** A unique value identifying the setting to be retrieved. The value **MUST** be one of keys listed in section [2.2.4.20](#).

#### 3.1.4.16.2.2 GetSettingValueResponse

The result data for the **GetSettingValue** WSDL operation.

```
<xs:element name="GetSettingValueResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetSettingValueResult" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetSettingValueResult:** The current configuration setting value, expressed as a string. It **MUST** NOT be null.

### 3.1.4.16.3 Complex Types

None.

### 3.1.4.16.4 Simple Types

None.

### 3.1.4.17 GetStrategyMapReportView

This operation retrieves a report view from the server that has been created through SaveTemporaryStrategyMapReport (section [3.1.4.26](#)).

```
<wsdl:operation name="GetStrategyMapReportView">
  <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetStrategyMapReportView"
message="tns:IBIMonitoringServiceApplication_GetStrategyMapReportView_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetStrategyMapReportViewResponse"
message="tns:IBIMonitoringServiceApplication_GetStrategyMapReportView_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetStrategyMapReportViewBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetStrategyMapReportView_BpmExceptionFault_Fault
Message"/>
</wsdl:operation>
```

The protocol client sends a **IBIMonitoringServiceApplication\_GetStrategyMapReportView\_InputMessage** request and the server responds with a **IBIMonitoringServiceApplication\_GetStrategyMapReportView\_OutputMessage** message as follows:

1. The protocol client sends a RepositoryLocation (specified in [\[MS-PPSAS\]](#)) for the report view to be retrieved.
2. The server attempts to send the corresponding report view.

#### Exceptions:

ErrorCode	Description
InvalidPermission	If the report view was created with SaveTemporaryStrategyMap (see section <a href="#">3.1.4.26</a> ), the security permissions are inherited from the parent report view. The location of the parent report view can be determined from the RepositoryLocation (specified in <a href="#">[MS-PPSAS]</a> ) object "ParentReportViewLocation" embedded within "CustomData" of the report view. See section <a href="#">2.2.9.3</a> for the <b>Common list of Error Codes</b> .
FCOReadFailed	See section <a href="#">2.2.9.3</a> for the <b>Common list of Error Codes</b> .
FCOReadFailedListAccess	See section <a href="#">2.2.9.3</a> for the <b>Common list of Error Codes</b> .

In case of any other failure, the ErrorCode MUST be one of the values specified in section [2.2.9.2](#). A detailed specification of how exceptions are reported by the server is in section [2.2.9](#).

### 3.1.4.17.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.17.1.1

#### **IBIMonitoringServiceApplication\_GetStrategyMapReportView\_InputMessage**

The requested WSDL message for the **GetStrategyMapReportView** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetStrategyMapReportView
```

The SOAP body contains the **GetStrategyMapReportView** element.

#### 3.1.4.17.1.2

#### **IBIMonitoringServiceApplication\_GetStrategyMapReportView\_OutputMessage**

The response WSDL message for the **GetStrategyMapReportView** method.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetStrategyMapReportViewResponse
```

The SOAP body contains the **GetStrategyMapReportViewResponse** element.

### 3.1.4.17.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.17.2.1 **GetStrategyMapReportView**

The input data for the **GetStrategyMapReportView** WSDL operation.

```
<xs:element name="GetStrategyMapReportView">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="strategyMapReportViewLocation"
type="tns:RepositoryLocation"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**strategyMapReportViewLocation:** The RepositoryLocation (specified in [\[MS-PPSAS\]](#)) object that specifies the location of the report view on the server.

- the report view to be retrieved was created with SaveTemporaryStrategyMap (section [3.1.4.26](#)):
  - The **ItemGuid** property MUST equal the GUID that was returned from SaveTemporaryStrategyMap (see section [3.1.4.26](#)).

- The **ItemType** property MUST equal TempReportView as specified by FirstClassObjectType (specified in [MS-PPSAS]).
- The **ItemUrl** property MUST equal an empty string.

### 3.1.4.17.2 GetStrategyMapReportViewResponse

The result data for the **GetStrategyMapReportView** WSDL operation.

```
<xs:element name="GetStrategyMapReportViewResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetStrategyMapReportViewResult"
type="tns:ReportView"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetStrategyMapReportViewResult:** The ReportView (specified in [MS-PPSAS]) object that was requested from the server.

### 3.1.4.17.3 Complex Types

None.

### 3.1.4.17.4 Simple Types

None.

### 3.1.4.18 MaintenanceJob

This operation is used to start maintenance tasks (database cleanup jobs, for example).

```
<wsdl:operation name="MaintenanceJob">
  <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/MaintenanceJob"
message="tns:IBIMonitoringServiceApplication_MaintenanceJob_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/MaintenanceJobResponse"
message="tns:IBIMonitoringServiceApplication_MaintenanceJob_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/MaintenanceJobBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_MaintenanceJob_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication\_MaintenanceJob\_InputMessage** message and the protocol server responds with an **IBIMonitoringServiceApplication\_MaintenanceJob\_OutputMessage**.

### 3.1.4.18.1 Messages

The following WSDL message definitions are specific to this operation.

### 3.1.4.18.1.1 IBIMonitoringServiceApplication\_MaintenanceJob\_InputMessage

The requested WSDL message for the **MaintenanceJob** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/MaintenanceJob
```

The SOAP body contains the **MaintenanceJob** element.

### 3.1.4.18.1.2 IBIMonitoringServiceApplication\_MaintenanceJob\_OutputMessage

The response WSDL message for the **MaintenanceJob** method.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/MaintenanceJobResponse
```

The SOAP body contains the **MaintenanceJobResponse** element.

## 3.1.4.18.2 Elements

The following XML Schema element definitions are specific to this operation.

### 3.1.4.18.2.1 MaintenanceJob

The input data for the **MaintenanceJob** WSDL operation.

```
<xs:element name="MaintenanceJob">  
  <xs:complexType/>  
</xs:element>
```

### 3.1.4.18.2.2 MaintenanceJobResponse

The result data for the **MaintenanceJob** WSDL operation.

```
<xs:element name="MaintenanceJobResponse">  
  <xs:complexType/>  
</xs:element>
```

## 3.1.4.18.3 Complex Types

None.

## 3.1.4.18.4 Simple Types

None.

### 3.1.4.19 RenderFilter

This operation generates HTML [\[HTML\]](#) for a specific filter stored on the protocol server. The protocol client specifies which filter is to be rendered, and other parameters that affect the result's HTML content.

```
<wsdl:operation name="RenderFilter">
  <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderFilter" message="tns:IBIMonitoringServiceApplication_RenderFilter_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderFilterResponse"
message="tns:IBIMonitoringServiceApplication_RenderFilter_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderFilterBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_RenderFilter_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **IBIMonitoringServiceApplication\_RenderFilter\_InputMessage** request message and the protocol server MUST respond with a **IBIMonitoringServiceApplication\_RenderFilter\_OutputMessage** message containing the HTML [\[HTML\]](#) for the filter.

Exceptions:

ErrorCode	Description
FCOReadFailed	See section <a href="#">2.2.9.3</a> for the Common List of Error Codes.
FCOReadFailedListAccess	See section <a href="#">2.2.9.3</a> for the Common List of Error Codes.

In case of any failure, the ErrorCode MUST be one of the values specified in [\[MS-PPSAS\]](#), Common list of Error Codes. A detailed specification of how exceptions are reported by the protocol server is described in the aforementioned section.

#### 3.1.4.19.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.19.1.1 IBIMonitoringServiceApplication\_RenderFilter\_InputMessage

The requested WSDL message for the **RenderFilter** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderFilter
```

The SOAP body contains the **RenderFilter** element.

### 3.1.4.19.1.2 IBIMonitoringServiceApplication\_RenderFilter\_OutputMessage

The response WSDL message for the **RenderFilter** method.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderFilterResponse
```

The SOAP body contains the **RenderFilterResponse** element.

### 3.1.4.19.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.19.2.1 RenderFilter

The input data for the **RenderFilter** WSDL operation.

```
<xs:element name="RenderFilter">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="filterLocation" nillable="true"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" name="renderTargetId" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="availableHeight" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="availableWidth" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="webPartContext" nillable="true"
xmlns:q7="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q7:WebPartContext"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**filterLocation:** Specifies the filter location as defined in RepositoryLocation (specified in [\[MS-PPSAS\]](#)). It MUST NOT be null or empty. It MUST point to a valid filter.

**renderTargetId:** Specifies the identifier of parent element of the rendered html control.

**availableHeight:** Specifies the **Unit** complex type indicating the height available for the filter. It MUST NOT be null.

**availableWidth:** Specifies the **Unit** complex type indicating the width available for the filter. It MUST NOT be null.

**webPartContext:** Specifies the Web Part context for the filter to be rendered, as defined in WebPartContext (section [2.2.4.21](#)). It MUST NOT be null.

#### 3.1.4.19.2.2 RenderFilterResponse

The result data for the **RenderFilter** WSDL operation.

```
<xs:element name="RenderFilterResponse">
  <xs:complexType>
    <xs:sequence>
```



```

    <xs:element minOccurs="0" name="html" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="script" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="webPartContextUpdate" nillable="true"
xmlns:q8="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q8:WebPartContextUpdate"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

**html:** Specifies the html for the rendered filter. It MUST NOT be null or empty.

**script:** Specifies an initialization script that MUST be executed when the HTML is delivered to the browser. It MAY be null.

**webPartContextUpdate:** Specifies the new Web Part context after rendering the filter, as defined in WebPartContextUpdate (section [2.2.4.21](#)). This MUST NOT be null or empty.

### 3.1.4.19.3 Complex Types

None.

### 3.1.4.19.4 Simple Types

None.

### 3.1.4.20 RenderReport

This operation generates HTML markup for a specific report stored on the protocol server. The protocol client specifies which report is to be rendered, and other parameters that affect the result's HTML content.

```

<wsdl:operation name="RenderReport">
  <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderReport" message="tns:IBIMonitoringServiceApplication_RenderReport_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderReportResponse"
message="tns:IBIMonitoringServiceApplication_RenderReport_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderReportBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_RenderReport_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client MUST send a **RenderReportSoapIn** request message and the protocol server MUST respond with a **RenderReportSoapOut** message containing the HTML markup for the report.

Exceptions:

Error Code	Description
FCOReadFailed	See section <a href="#">2.2.9.3</a> for the Common List of Error Codes.
FCOReadFailedListAccess	See section <a href="#">2.2.9.3</a> for the Common List of Error Codes.

In case of any failure, the `ErrorCode` MUST be one of the values specified in section [2.2.9.2](#). A detailed specification of how exceptions are reported by the protocol server is in section [2.2.9](#).

### 3.1.4.20.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.20.1.1 IBIMonitoringServiceApplication\_RenderReport\_InputMessage

The requested WSDL message for the **RenderReport** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderReport
```

The SOAP body contains the **RenderReport** element.

#### 3.1.4.20.1.2 IBIMonitoringServiceApplication\_RenderReport\_OutputMessage

The response WSDL message for the **RenderReport** method.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderReportResponse
```

The SOAP body contains the **RenderReportResponse** element.

### 3.1.4.20.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.20.2.1 RenderReport

The input data for the **RenderReport** WSDL operation.

```
<xs:element name="RenderReport">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="proxyCacheAttempt" type="xs:boolean"/>
      <xs:element minOccurs="0" name="reportLocation" nillable="true"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" name="renderTargetId" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="availableHeight" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="availableWidth" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="webPartContext" nillable="true"
xmlns:q13="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q13:WebPartContext"/>
      <xs:element minOccurs="0" name="isAccessibilityMode" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**proxyCacheAttempt:** Specifies whether the render operation should use the proxy cache or not.

**reportLocation:** Specifies the report location as defined in RepositoryLocation (specified in [\[MS-PPSAS\]](#)). It MUST NOT be null or empty. It MUST point to a valid report.

**renderTargetId:** Specifies the identifier of the rendered html control. It MUST NOT be null or empty.

**availableHeight:** Specifies the height available for the report. It MUST NOT be null. The empty value specifies unbounded height. It MUST be a decimal number greater than or equal zero, followed by a unit type (such as 100px).

The unit type MUST be one of the following:

Unit
px (pixel)
pt (point)
pc (pica)
in (inch)
mm (millimeter)
cm (centimeter)
% (percentage)
em (relative to height of parent's font)
ex (relative to height of letter x on parent's font)

**availableWidth:** Specifies the width available for the report. It MUST NOT be null. The empty value specifies unbounded width. It MUST be a decimal number greater than or equal zero, followed by a unit type (such as 100px).

The unit type MUST be one of the following:

Unit
px (pixel)
pt (point)
pc (pica)
in (inch)
mm (millimeter)
cm (centimeter)
% (percentage)
em (relative to height of parent's font)
ex (relative to height of letter x on parent's font)

**webPartContext:** Specifies the Web Part context for the report to be rendered, as defined in WebPartContext (section [2.2.4.21](#)). It MUST NOT be null.

**isAccessibilityMode:** Specifies whether the report needs to be rendered in accessibility mode.

### 3.1.4.20.2.2 RenderReportResponse

The result data for the **RenderReport** WSDL operation.

```
<xs:element name="RenderReportResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="proxyCacheKey" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="proxyCacheSubs" nillable="true"
xmlns:q14="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon" type="q14:ArrayOfSubstitutionPair"/>
      <xs:element minOccurs="0" name="proxyCacheExpiration" type="xs:dateTime"/>
      <xs:element minOccurs="0" name="html" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="script" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="webPartContextUpdate" nillable="true"
xmlns:q15="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q15:WebPartContextUpdate"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**proxyCacheKey:** Specifies the cache key associated with the render report. It MUST NOT be null. An empty value means the result was not cached.

**proxyCacheSubs:** The HTML [\[HTML\]](#) MAY contain placeholders for dynamic information. The **proxyCachSubs** property specifies a list of value pairs (name and value of the placeholder), as defined in ArrayOfSubstitutionPair (section [2.2.4.](#)). The protocol client MUST apply the substitution pairs to the rendered html if the result was cached.

**proxyCacheExpiration:** Specifies a DateTime value for when the cached value expires. The value DateTime.MinValue means the result was not cached.

**html:** Specifies the html for the rendered report.

**script:** Specifies an initialization script that MUST be executed when the HTML [\[HTML\]](#) is delivered to the browser.

**webPartContextUpdate:** Specifies the new Web Part context after rendering the report, as defined in WebPartContextUpdate (section [2.2.4.21](#)). It MUST NOT be null.

### 3.1.4.20.3 Complex Types

None.

### 3.1.4.20.4 Simple Types

None.

### 3.1.4.21 RenderScorecard

This operation generates HTML markup for a specific scorecard stored on the protocol server. The protocol client specifies which scorecard is to be rendered, and other parameters that affect the result's HTML content.

```
<wsdl:operation name="RenderScorecard">
  <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderScorecard"
message="tns:IBIMonitoringServiceApplication_RenderScorecard_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderScorecardResponse"
message="tns:IBIMonitoringServiceApplication_RenderScorecard_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderScorecardBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_RenderScorecard_BpmExceptionFault_FaultMessage"/>
  >
</wsdl:operation>
```

The protocol client MUST send a **RenderScorecardSoapIn** request message and the protocol server MUST respond with a **RenderScorecardSoapOut** message containing the HTML markup for the scorecard.

Exceptions:

ErrorCode	Description
FCOReadFailed	See section <a href="#">2.2.9.3</a> for the Common List of Error Codes.
FCOReadFailedListAccess	See section <a href="#">2.2.9.3</a> for the Common List of Error Codes.

In case of any failure, the ErrorCode MUST be one of the values specified in section [2.2.9.2](#). A detailed specification of how exceptions are reported by the protocol server is in section [2.2.9](#).

#### 3.1.4.21.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.21.1.1 IBIMonitoringServiceApplication\_RenderScorecard\_InputMessage

The requested WSDL message for the **RenderScorecard** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderScorecard
```

The SOAP body contains the **RenderScorecard** element.

##### 3.1.4.21.1.2 IBIMonitoringServiceApplication\_RenderScorecard\_OutputMessage

The response WSDL message for the **RenderScorecard** method.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderScorecardResponse
```

The SOAP body contains the **RenderScorecardResponse** element.

### 3.1.4.21.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.21.2.1 RenderScorecard

The input data for the **RenderScorecard** WSDL operation.

```
<xs:element name="RenderScorecard">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="proxyCacheAttempt" type="xs:boolean"/>
      <xs:element minOccurs="0" name="scorecardLocation" nillable="true"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" name="renderTargetId" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="availableHeight" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="availableWidth" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="webPartContext" nillable="true"
xmlns:q16="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q16:WebPartContext"/>
      <xs:element minOccurs="0" name="isAccessibilityMode" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**proxyCacheAttempt:** Specifies whether the render operation should use the proxy cache or not.

**scorecardLocation:** Specifies the scorecard location as defined in RepositoryLocation (specified in [\[MS-PPSAS\]](#)). It MUST NOT be null or empty. It MUST point to a valid scorecard.

**renderTargetId:** Specifies the identifier of the rendered html control. It MUST NOT be null or empty.

**availableHeight:** Specifies the height available for the scorecard. It MUST NOT be null. The empty value specifies unbounded height. It MUST be a decimal number greater than or equal zero, followed by a unit type (such as 100px).

The unit type MUST be one of the following:

Unit
px (pixel)
pt (point)
pc (pica)
in (inch)

Unit
mm (millimeter)
cm (centimeter)
% (percentage)
em (relative to height of parent's font)
ex (relative to height of letter x on parent's font)

**availableWidth:** Specifies the width available for the scorecard. It MUST NOT be null. The empty value specifies unbounded width. It MUST be a decimal number greater than or equal zero, followed by a unit type (such as 100px).

The unit type MUST be one of the following:

Unit
px (pixel)
pt (point)
pc (pica)
in (inch)
mm (millimeter)
cm (centimeter)
% (percentage)
em (relative to height of parent's font)
ex (relative to height of letter x on parent's font)

**webPartContext:** Specifies the Web Part context for the scorecard to be rendered, as defined in WebPartContext (section [2.2.4.21](#)). It MUST NOT be null.

**isAccessibilityMode:** Specifies whether the scorecard needs to be rendered in accessibility mode or not.

### 3.1.4.21.2.2 RenderScorecardResponse

The result data for the **RenderScorecard** WSDL operation.

```
<xs:element name="RenderScorecardResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="proxyCacheKey" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="proxyCacheSubs" nillable="true"
xmlns:q17="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon" type="q17:ArrayOfSubstitutionPair"/>
      <xs:element minOccurs="0" name="proxyCacheExpiration" type="xs:dateTime"/>
      <xs:element minOccurs="0" name="html" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="script" nillable="true" type="xs:string"/>
    
```

```

    <xs:element minOccurs="0" name="webPartContextUpdate" nillable="true"
xmlns:q18="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q18:WebPartContextUpdate"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

**proxyCacheKey:** Specifies the cache key associated with the rendered scorecard. It MUST NOT be null. The empty value means the result was not cached.

**proxyCacheSubs:** The HTML [\[HTML\]](#) MAY contain placeholders for dynamic information. The **proxyCacheSubs** property specifies a list of value pairs (placeholder name and value for placeholder), as defined in ArrayOfSubstitutionPair (section [2.2.4.2](#)). The protocol client MUST apply the substitution pairs to the rendered html if the result was cached.

**proxyCacheExpiration:** Specifies a DateTime value for when the cached value expires. The value DateTime.MinValue means the result was not cached.

**html:** Specifies the HTML [\[HTML\]](#) for the rendered scorecard.

**script:** Specifies an initialization script that MUST be executed when the HTML [\[HTML\]](#) is delivered to the browser.

**webPartContextUpdate:** Specifies the new Web Part context after rendering the scorecard, as defined in WebPartContextUpdate (section [2.2.4.2.1](#)). It MUST NOT be null.

### 3.1.4.21.3 Complex Types

None.

### 3.1.4.21.4 Simple Types

None.

### 3.1.4.22 RenderScorecardAjaxControl

This operation generates scorecard Web control HTML markup for a specific list item stored on the protocol server. The client specifies which list item is to be rendered, which Web control should be used to render it, and other parameters that affect the result's HTML content.

```

<wsdl:operation name="RenderScorecardAjaxControl">
  <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderScorecardAjaxControl"
message="tns:IBIMonitoringServiceApplication_RenderScorecardAjaxControl_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderScorecardAjaxControlResponse"
message="tns:IBIMonitoringServiceApplication_RenderScorecardAjaxControl_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderScorecardAjaxControlBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_RenderScorecardAjaxControl_BpmExceptionFault_Fau
ltMessage"/>
</wsdl:operation>

```



The protocol client MUST send a **RenderScorecardAjaxControlSoapIn** request message and the protocol server MUST respond with a **RenderScorecardAjaxControlSoapOut** message containing the HTML markup for the list item.

If there was an application error on the protocol server during the operation, the protocol server MUST return a SOAP fault response, which MAY contain any subcode. The exception MAY be one well known type, but MAY be anything else.

### 3.1.4.22.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.22.1.1

#### **IBIMonitoringServiceApplication\_RenderScorecardAjaxControl\_InputMessage**

The requested WSDL message for the **RenderScorecardAjaxControl** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderScorecardAjaxControl
```

The SOAP body contains the **RenderScorecardAjaxControl** element.

#### 3.1.4.22.1.2

#### **IBIMonitoringServiceApplication\_RenderScorecardAjaxControl\_OutputMessage**

The response WSDL message for the **RenderScorecardAjaxControl** method.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderScorecardAjaxControlResponse
```

The SOAP body contains the **RenderScorecardAjaxControlResponse** element.

### 3.1.4.22.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.22.2.1 **RenderScorecardAjaxControl**

The input data for the **RenderScorecardAjaxControl** WSDL operation.

```
<xs:element name="RenderScorecardAjaxControl">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="scorecardLocation" nillable="true"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" name="renderTargetId" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="scorecardControlId" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="scorecardControlType" nillable="true"
type="xs:string"/>
    
```

```

    <xs:element minOccurs="0" name="webPartContext" nillable="true"
      xmlns:q19="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
      type="q19:WebPartContext"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

**scorecardLocation:** The list item identifier used to retrieve the scorecard definition.

**renderTargetId:** The unique identifier assigned to the scorecard Web Part

**scorecardControlId:** The HTML element container where the rendered scorecard markup is written.

**scorecardControlType:** The assembly strong name of the Web control implementation. This is used to create a new web control instance.

**webPartContext:** Specifies the Web part's current context as defined in WebPartContext (section [2.2.4.21](#)).

### 3.1.4.22.2 RenderScorecardAjaxControlResponse

The result data for the **RenderScorecardAjaxControl** WSDL operation.

```

<xs:element name="RenderScorecardAjaxControlResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="html" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="webPartContextUpdate" nillable="true"
        xmlns:q20="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
        type="q20:WebPartContextUpdate"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**html:** The scorecard rendered HTML markup.

**webPartContextUpdate:** Specifies the new Web Part context after rendering the filter, as defined in WebPartContextUpdate (section [2.2.4.21](#)).

### 3.1.4.22.3 Complex Types

None.

### 3.1.4.22.4 Simple Types

None.

### 3.1.4.23 RenderTreeMemberSelector

This method is deprecated from the protocol and SHOULD NOT [<3>](#) be used.

```

<wsdl:operation name="RenderTreeMemberSelector">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica

```

```

tion/RenderTreeMemberSelector"
message="tns:IBIMonitoringServiceApplication_RenderTreeMemberSelector_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderTreeMemberSelectorResponse"
message="tns:IBIMonitoringServiceApplication_RenderTreeMemberSelector_OutputMessage"/>
</wsdl:operation>

```

None.

### 3.1.4.23.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.23.1.1

#### **IBIMonitoringServiceApplication\_RenderTreeMemberSelector\_InputMessage**

The requested WSDL message for the **RenderTreeMemberSelector** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderTr
eeMemberSelector

```

The SOAP body contains the **RenderTreeMemberSelector** element.

#### 3.1.4.23.1.2

#### **IBIMonitoringServiceApplication\_RenderTreeMemberSelector\_OutputMessage**

The response WSDL message for the **RenderTreeMemberSelector** method.

The SOAP action value is:

```

http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderTr
eeMemberSelectorResponse

```

The SOAP body contains the **RenderTreeMemberSelectorResponse** element.

### 3.1.4.23.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.23.2.1 RenderTreeMemberSelector

The input data for the **RenderTreeMemberSelector** WSDL operation.

```

<xs:element name="RenderTreeMemberSelector">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="tns:DataSource"/>
      <xs:element minOccurs="0" maxOccurs="1" name="memberUniqueName" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="dimensionUniqueName" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="selectedMemberNamesStr"
type="xs:string"/>

```

```

    <xs:element minOccurs="0" maxOccurs="1" name="clientInstance" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="targetControlId" type="xs:string"/>
    <xs:element minOccurs="1" maxOccurs="1" name="index" type="xs:int"/>
    <xs:element minOccurs="1" maxOccurs="1" name="maxNumRecordsToRender" type="xs:int"/>
    <xs:element minOccurs="0" maxOccurs="1" name="resourcePath" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="displayTreeHeaderFlagStr"
type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="displayTreeFooterFlagStr"
type="xs:string"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

**dataSource:** None.

**memberUniqueName:** None.

**dimensionUniqueName:** None.

**selectedMemberNamesStr:** None.

**clientInstance:** None.

**targetControlId:** None.

**index:** None.

**maxNumRecordsToRender:** None.

**resourcePath:** None.

**displayTreeHeaderFlagStr:** None.

**displayTreeFooterFlagStr:** None.

### 3.1.4.23.2 RenderTreeMemberSelectorResponse

The result data for the **RenderTreeMemberSelector** WSDL operation.

```

<xs:element name="RenderTreeMemberSelectorResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="RenderTreeMemberSelectorResult"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**RenderTreeMemberSelectorResult:** None.

### 3.1.4.23.3 Complex Types

None.

### 3.1.4.23.4 Simple Types

None.

### 3.1.4.24 ReportSupportsExportFormat

Determines whether a report supports the specified export format.

```
<wsdl:operation name="ReportSupportsExportFormat">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ReportSupportsExportFormat"
    message="tns:IBIMonitoringServiceApplication_ReportSupportsExportFormat_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ReportSupportsExportFormatResponse"
    message="tns:IBIMonitoringServiceApplication_ReportSupportsExportFormat_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ReportSupportsExportFormatBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_ReportSupportsExportFormat_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication\_ReportSupportsExportFormat\_InputMessage** request message and the protocol server responds with an **IBIMonitoringServiceApplication\_ReportSupportsExportFormat\_OutputMessage** message as follows:

1. The protocol server receives the `ExportFormat` (see section [2.2.5.1](#)).
2. The protocol server receives the `RepositoryLocation` of a `ReportView` (specified in [\[MS-PPSAS\]](#)).
3. The protocol server MUST return "true" or "false", as specified in section [3.1.4.24.2.2](#).

### 3.1.4.24.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.24.1.1

#### **IBIMonitoringServiceApplication\_ReportSupportsExportFormat\_InputMessage**

The requested WSDL message for the **ReportSupportsExportFormat** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ReportSupportsExportFormat
```

The SOAP body contains the **ReportSupportsExportFormat** element.

#### 3.1.4.24.1.2

#### **IBIMonitoringServiceApplication\_ReportSupportsExportFormat\_OutputMessage**

The response WSDL message for the **ReportSupportsExportFormat** method.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ReportSupportsExportFormatResponse
```

The SOAP body contains the **ReportSupportsExportFormatResponse** element.

### 3.1.4.24.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.24.2.1 ReportSupportsExportFormat

The input data for the **ReportSupportsExportFormat** WSDL operation.

```
<xs:element name="ReportSupportsExportFormat">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="itemFormat" type="tns:ExportFormat"/>
      <xs:element minOccurs="0" maxOccurs="1" name="reportLocation"
type="tns:RepositoryLocation"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**itemFormat:** The export format as specified by ExportFormat (see section [2.2.5.1](#)). It MUST be present.

**reportLocation:** The location of a report as specified by RepositoryLocation (specified in [\[MS-PPSAS\]](#)). It MUST be present.

#### 3.1.4.24.2.2 ReportSupportsExportFormatResponse

The result data for the **ReportSupportsExportFormat** WSDL operation.

```
<xs:element name="ReportSupportsExportFormatResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="ReportSupportsExportFormatResult"
type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**ReportSupportsExportFormatResult:** A value of "true" indicates that the report supports the export format; a value of "false" indicates that it does not.

### 3.1.4.24.3 Complex Types

None.

### 3.1.4.24.4 Simple Types

None.

### 3.1.4.25 SaveFilterValues

This operation saves the state of selections made for a given filter.

```
<wsdl:operation name="SaveFilterValues">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SaveFilterValues"
    message="tns:IBIMonitoringServiceApplication_SaveFilterValues_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SaveFilterValuesResponse"
    message="tns:IBIMonitoringServiceApplication_SaveFilterValues_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SaveFilterValuesBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_SaveFilterValues_BpmExceptionFault_FaultMessage"
  />
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication\_SaveFilterValues\_InputMessage** message and the protocol server responds with an **IBIMonitoringServiceApplication\_SaveFilterValue\_OutputMessage** response message as follows:

1. The protocol client sends the repository for the filter, the filter definition, and an array of strings representing the selected filter values.
2. In the event the setting cannot be updated, the protocol server MUST return a **FaultException** response, as detailed in section [2.2.9](#).

#### 3.1.4.25.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.25.1.1 IBIMonitoringServiceApplication\_SaveFilterValues\_InputMessage

The requested WSDL message for the **SaveFilterValues** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SaveFilterValues
```

The SOAP body contains the **SaveFilterValues** element.

##### 3.1.4.25.1.2 IBIMonitoringServiceApplication\_SaveFilterValues\_OutputMessage

The response WSDL message for the **SaveFilterValues** method.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SaveFilterValuesResponse
```

The SOAP body contains the **SaveFilterValuesResponse** element.

### 3.1.4.25.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.25.2.1 SaveFilterValues

The input data for the **SaveFilterValues** WSDL operation.

```
<xs:element name="SaveFilterValues">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="elementLocation"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" maxOccurs="1" name="parameterDefinition"
type="tns:ParameterDefinition"/>
      <xs:element minOccurs="0" maxOccurs="1" name="selections" type="tns:ArrayOfString"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**elementLocation:** MUST be a RepositoryLocation (specified in [\[MS-PPSAS\]](#)).

**parameterDefinition:** MUST be a ParameterDefinition (specified in [\[MS-PPSAS\]](#)). MUST NOT be null.

**selections:** An array of strings representing the value of the filter.

#### 3.1.4.25.2.2 SaveFilterValuesResponse

The result data for the **SaveFilterValues** WSDL operation.

```
<xs:element name="SaveFilterValuesResponse">
  <xs:complexType/>
</xs:element>
```

### 3.1.4.25.3 Complex Types

None.

### 3.1.4.25.4 Simple Types

None.

### 3.1.4.26 SaveTemporaryStrategyMapReport

This operation stores a temporary copy of a report view to the server. See [SaveTemporaryAnalyticReport](#) in [\[MS-PPSAS\]](#).

```
<wsdl:operation name="SaveTemporaryStrategyMapReport">
  <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
```



```

tion/SaveTemporaryStrategyMapReport"
message="tns:IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveTemporaryStrategyMapReportResponse"
message="tns:IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveTemporaryStrategyMapReportBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_BpmExceptionFault
_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a

**IBIMonitoringServiceApplication\_SaveTemporaryStrategyMapReport\_InputMessage** message and the server responds with a

**IBIMonitoringServiceApplication\_SaveTemporaryStrategyMapReport\_OutputMessage** response message as follows:

- The protocol client MUST send a ReportView (specified in [MS-PPSAS]).
- If the server contains a ReportView where all attributes and elements, except Location, equal those of the passed in ReportView, the server MUST return the GUID of the ReportView on the server. The GUID MUST be equal to the RepositoryLocation (specified in [MS-PPSAS]) ItemGuid GUID. The stored ReportView MUST NOT be altered.
- If the server does not contain a ReportView where all attributes and elements, except Location, equal those of the passed in ReportView, the server MUST store a copy of the ReportView and MUST return a unique GUID for it. The server MUST replace the Location element for the stored copy with a Location element that points to the stored copy. The Location element MUST conform to the schema of the RepositoryLocation (specified in [MS-PPSAS]) complex type, such that the ItemType attribute equals TempReportView, as specified in FirstClassObjectType (specified in [MS-PPSAS]), and the ItemGuid attribute equals the returned GUID.

Exceptions:

ErrorCode	Description
InvalidPermission	See section <a href="#">2.2.9.3</a> for the Common List of Error Codes.

- In case of any other failure, the ErrorCode MUST be one of the values specified in section [2.2.9.2](#). A detailed specification of how exceptions are reported by the server is in section [2.2.9](#)

### 3.1.4.26.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.26.1.1

**IBIMonitoringServiceApplication\_SaveTemporaryStrategyMapReport\_InputMessage**

The requested WSDL message for the **SaveTemporaryStrategyMapReport** WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SaveTemporaryStrategyMapReport>

The SOAP body contains the **SaveTemporaryStrategyMapReport** element.

### 3.1.4.26.1.2

#### **IBIMonitoringServiceApplication\_SaveTemporaryStrategyMapReport\_OutputMessage**

The response WSDL message for the **SaveTemporaryStrategyMapReport** method.

The SOAP action value is:

<http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SaveTemporaryStrategyMapReportResponse>

The SOAP body contains the **SaveTemporaryStrategyMapReportResponse** element.

### 3.1.4.26.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.26.2.1 **SaveTemporaryStrategyMapReport**

The input data for the **SaveTemporaryStrategyMapReport** WSDL operation.

```
<xs:element name="SaveTemporaryStrategyMapReport">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="reportView" type="tns:ReportView"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**reportView:** The report view to store. MUST be present and MUST conform to the schema of the ReportView (specified in [\[MS-PPSAS\]](#)) complex type.

#### 3.1.4.26.2.2 **SaveTemporaryStrategyMapReportResponse**

The result data for the **SaveTemporaryStrategyMapReport** WSDL operation.

```
<xs:element name="SaveTemporaryStrategyMapReportResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="SaveTemporaryStrategyMapReportResult"
        xmlns:q26="http://microsoft.com/wsdl/types/" type="q26:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**SaveTemporaryStrategyMapReportResult:** A GUID that uniquely identifies the ReportView (specified in [\[MS-PPSAS\]](#)) and the values of all attributes and elements except Location. MUST be present.

### 3.1.4.26.3 Complex Types

None.

### 3.1.4.26.4 Simple Types

None.

### 3.1.4.27 ScorecardSupportsExportFormat

This operation checks whether a scorecard supports the specified export format.

```
<wsdl:operation name="ScorecardSupportsExportFormat">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ScorecardSupportsExportFormat"
    message="tns:IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ScorecardSupportsExportFormatResponse"
    message="tns:IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ScorecardSupportsExportFormatBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication\_ScorecardSupportsExportFormat\_InputMessage** request message and the protocol server responds with an **IBIMonitoringServiceApplication\_ScorecardSupportsExportFormat\_OutputMessage** message as follows:

1. The protocol server receives the ExportFormat (see section [2.2.5.1](#)).
2. The protocol server receives the RepositoryLocation of a Scorecard (specified in [\[MS-PPSAS\]](#)).
3. The protocol server MUST retrieve "true" or "false".

#### 3.1.4.27.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.27.1.1

#### **IBIMonitoringServiceApplication\_ScorecardSupportsExportFormat\_InputMessage**

The requested WSDL message for the **ScorecardSupportsExportFormat** WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ScorecardSupportsExportFormat>

The SOAP body contains the **ScorecardSupportsExportFormat** element.

### 3.1.4.27.1.2

#### **IBIMonitoringServiceApplication\_ScorecardSupportsExportFormat\_OutputMessage**

The response WSDL message for the **ScorecardSupportsExportFormat** method.

The SOAP action value is:

<http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ScorecardSupportsExportFormatResponse>

The SOAP body contains the **ScorecardSupportsExportFormatResponse** element.

### 3.1.4.27.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.27.2.1 ScorecardSupportsExportFormat

The input data for the **ScorecardSupportsExportFormat** WSDL operation.

```
<xs:element name="ScorecardSupportsExportFormat">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="itemFormat" type="tns:ExportFormat"/>
      <xs:element minOccurs="0" maxOccurs="1" name="scorecardLocation"
type="tns:RepositoryLocation"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**itemFormat:** The export format as specified by ExportFormat (see section [2.2.5.1](#)). It MUST be present.

**scorecardLocation:** The location of a scorecard as specified by RepositoryLocation (specified in [\[MS-PPSAS\]](#)). It MUST be present.

#### 3.1.4.27.2.2 ScorecardSupportsExportFormatResponse

The result data for the **ScorecardSupportsExportFormat** WSDL operation.

```
<xs:element name="ScorecardSupportsExportFormatResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="ScorecardSupportsExportFormatResult"
type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
```

```
</xs:element>
```

**ScorecardSupportsExportFormatResult:** A value of "true" indicates that the scorecard supports the export format; a value of "false" indicates that it does not.

### 3.1.4.27.3 Complex Types

None.

### 3.1.4.27.4 Simple Types

None.

### 3.1.4.28 UpdateSettingValue

This method modifies the current value of a configuration setting.

```
<wsdl:operation name="UpdateSettingValue">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/UpdateSettingValue"
    message="tns:IBIMonitoringServiceApplication_UpdateSettingValue_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/UpdateSettingValueResponse"
    message="tns:IBIMonitoringServiceApplication_UpdateSettingValue_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/UpdateSettingValueBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_UpdateSettingValue_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication\_UpdateSettingValue\_InputMessage** message and the protocol server responds with an **IBIMonitoringServiceApplication\_UpdateSettingValue\_OutputMessage** response message as follows:

1. The protocol client sends a string identifying the configuration setting to be changed, and the new value expressed as a string.
2. The protocol server modifies the configuration, and responds with an empty response.

#### Exceptions:

ErrorCode	Description
ExtInvalidSetting	The setting value does not meet the required format or limits. More information is available in the exception text.
NewSetting	The setting key is unknown.
Unknown	See section <a href="#">2.2.9.3</a> for the Common List of Error Codes.

In case of any failure, the `ErrorCode` MUST be one of the values specified in section [2.2.9.2](#). A detailed specification of how exceptions are reported by the protocol server is in section [2.2.9](#).

### 3.1.4.28.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.28.1.1 **IBIMonitoringServiceApplication\_UpdateSettingValue\_InputMessage**

The requested WSDL message for the **UpdateSettingValue** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/UpdateSettingValue
```

The SOAP body contains the **UpdateSettingValue** element.

#### 3.1.4.28.1.2

#### **IBIMonitoringServiceApplication\_UpdateSettingValue\_OutputMessage**

The response WSDL message for the **UpdateSettingValue** method.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/UpdateSettingValueResponse
```

The SOAP body contains the **UpdateSettingValueResponse** element.

### 3.1.4.28.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.28.2.1 **UpdateSettingValue**

The input data for the **UpdateSettingValue** WSDL operation.

```
<xs:element name="UpdateSettingValue">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="key" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="value" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**key:** A unique value identifying the setting to be retrieved. The value MUST be one of the keys listed in section [2.2.4.20](#).

**value:** The new value for the setting. MUST NOT be null. MUST conform to a format matching the **SettingType** associated with the **key** (section [2.2.4.20](#)).

- SettingType Integer
  - The value MUST be of the form [ws][sign]digits[ws]
    - ws is optional white space
    - sign is an optional + or -
    - digits is a sequence of digits ranging from 0 to 9
  - The value MUST be greater or equal to the minimum value shown in section [2.2.4.20](#).
  - The value MUST be less than or equal to the maximum value shown in section [2.2.4.20](#).
- SettingType String
  - The value MUST have no more characters than the number listed in the maximum value column in section [2.2.4.20](#)
  - The value MUST NOT have any characters listed as illegal for the key in section [2.2.4.20](#).
- SettingType Boolean
  - The value MUST be "true" or "false", case insensitive.
  - The value MAY be preceded or followed by white space.

### 3.1.4.28.2.2 UpdateSettingValueResponse

The result data for the **UpdateSettingValue** WSDL operation.

```
<xs:element name="UpdateSettingValueResponse">
  <xs:complexType/>
</xs:element>
```

### 3.1.4.28.3 Complex Types

None.

### 3.1.4.28.4 Simple Types

None.

## 3.1.5 Timer Events

No timer events are required on the protocol server beyond those required by the underlying RPC transport.

## 3.1.6 Other Local Events

None.

## 3.2 Client Details

None.

### **3.2.1 Abstract Data Model**

None.

### **3.2.2 Timers**

None.

### **3.2.3 Initialization**

None.

### **3.2.4 Message Processing Events and Sequencing Rules**

None.

### **3.2.5 Timer Events**

None.

### **3.2.6 Other Local Events**

None.



## 4 Protocol Examples

Examples that illustrate the usage of the protocol as described in the overview (section [1.3](#)).

### 4.1 Annotation Update

In this example, a protocol client creates a new annotation within a scorecard, modifies the annotation, then deletes the annotation.

The example assumes that the following object is known to the protocol server with the following identifier:

Type	Name	Path	ID
Scorecard	New Scorecard	/PerformancePoint/Lists/Dashboard Content	15_.000

#### 4.1.1 CreateAnnotation

To create a new Annotation, the protocol client calls **CreateAnnotation**.

The protocol client creates and sends the following message (whitespace added for readability):

```
<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
  xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/CreateAnnotation
    </a:Action>
    <a:MessageID>
      urn:uuid:868d1632-4a2d-4e5a-b7d5-51ff28762e05
    </a:MessageID>
    <a:ReplyTo>
      <a:Address>
        http://www.w3.org/2005/08/addressing/anonymous
      </a:Address>
    </a:ReplyTo>
    <webSiteID xmlns="PPSMA">
      9edb0749-0b51-4377-b810-d3891c1ac81d
    </webSiteID>
    <WebSiteAbsoluteUrl
      xmlns="PPSMA">http://boi-ppsbeta1/
    </WebSiteAbsoluteUrl>
    <CurrentCultureName
      xmlns="PPSMA">en-US
    </CurrentCultureName>
    <CurrentUICultureName
      xmlns="PPSMA">en-US
    </CurrentUICultureName>
  </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <CreateAnnotation xmlns="http://tempuri.org/">
      <annotation>
        <Comments>
          <AnnotationComment Guid="de36bf3c-3930-40cc-9287-28425b77c3e6"
            CreatedBy="domain\username">

```

```

                CreatedDate="2009-06-09T09:06:11.1715572-07:00"
                Message="New Comment"
                Title="New Comment">
            </AnnotationComment>
        </Comments>
    <Properties></Properties>
    <Owner>domain\username</Owner>
    <LastUpdatedBy></LastUpdatedBy>
    <Slice></Slice>
    <CreatedOn>0001-01-01T00:00:00</CreatedOn>
    <LastUpdatedOn>0001-01-01T00:00:00</LastUpdatedOn>
    <ScorecardLocation ItemUrl="/Lists/Dashboard Content/15_.000"
        ItemType="Scorecard"
        ItemGuid="4fc9dcdc2547494db86e7d3b298707b1"
        SpSiteCollectionGuid="9edb07490b514377b810d3891c1ac81d"
        SpSiteGuid="e656245d9da74ce8bbae0ef059f792c4"
        SpListGuid="e93c6554114d455198f8572c496139d2">
    </ScorecardLocation>
    <ConfiguredViewID>
        50289e50-956c-420f-9509-d60199260bf4
    </ConfiguredViewID>
    <Guid>6ebdce31-a7e4-4c3a-8012-43066b39b38a</Guid>
    <CellpathCoordinates>
        /Lists/Dashboard Content/14_.000Target
    </CellpathCoordinates>
</annotation>
</CreateAnnotation>
</s:Body>
</s:Envelope>

```

The protocol server responds with the following (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
    xmlns:s="http://www.w3.org/2003/05/soap-envelope">
    <s:Header>
        <a:Action s:mustUnderstand="1">
            http://tempuri.org/IBIMonitoringServiceApplication/CreateAnnotationResponse
        </a:Action>
    </s:Header>
    <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xmlns:xsd="http://www.w3.org/2001/XMLSchema">
        <CreateAnnotationResponse xmlns="http://tempuri.org/">
            <CreateAnnotationResult>
                <Comments>
                    <AnnotationComment Guid="de36bf3c-3930-40cc-9287-28425b77c3e6"
                        CreatedBy="domain\username"
                        CreatedDate="2009-06-09T09:06:11.1715572-07:00"
                        Message="New Comment"
                        Title="New Comment">
                    </AnnotationComment>
                </Comments>
                <Properties></Properties>
                <Owner>domain\username</Owner>
                <LastUpdatedBy></LastUpdatedBy>
                <Slice></Slice>
                <CreatedOn>2009-06-09T09:06:42.85</CreatedOn>
                <LastUpdatedOn>2009-06-09T09:06:42.85</LastUpdatedOn>
                <ScorecardLocation ItemUrl="/Lists/Dashboard Content/15_.000"

```

```

        ItemType="Scorecard"
        ItemGuid="4fc9dcdc2547494db86e7d3b298707b1"
        SpSiteCollectionGuid="9edb07490b514377b810d3891c1ac81d"
        SpSiteGuid="e656245d9da74ce8bbae0ef059f792c4"
        SpListGuid="e93c6554114d455198f8572c496139d2">
    </ScorecardLocation>
    <ConfiguredViewID>
        50289e50-956c-420f-9509-d60199260bf4
    </ConfiguredViewID>
    <Guid>
        6ebdce31-a7e4-4c3a-8012-43066b39b38a
    </Guid>
    <CellpathCoordinates>
        /Lists/Dashboard Content/14_.000Target
    </CellpathCoordinates>
    </CreateAnnotationResult>
    </CreateAnnotationResponse>
</s:Body>
</s:Envelope>

```

### 4.1.2 UpdateAnnotation

To update the existing Annotation, the protocol client calls **UpdateAnnotation**.

The protocol client creates and sends the following message (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
  xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/UpdateAnnotation
    </a:Action>
    <a:MessageID>
      urn:uuid:937d9cac-9a59-4040-bcbe-18ec87bd5cfb
    </a:MessageID>
    <a:ReplyTo>
      <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
    <webSiteID xmlns="PPSMA">9edb0749-0b51-4377-b810-d3891c1ac81d</webSiteID>
    <WebSiteAbsoluteUrl xmlns="PPSMA">http://boi-ppsbeta1/</WebSiteAbsoluteUrl>
    <CurrentCultureName xmlns="PPSMA">en-US</CurrentCultureName>
    <CurrentUICultureName xmlns="PPSMA">en-US</CurrentUICultureName>
  </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <UpdateAnnotation xmlns="http://tempuri.org/">
      <annotation>
        <Comments>
          <AnnotationComment
            Guid="de36bf3c-3930-40cc-9287-28425b77c3e6"
            CreatedBy="Domain\username"
            CreatedDate="2009-06-09T09:06:11.1715572-07:00"
            Message="New Comment 2"
            Title="New Comment">
          </AnnotationComment>
        </Comments>
      </Properties></Properties>
    </UpdateAnnotation>
  </s:Body>
</s:Envelope>

```

```

<Owner>Domain\username</Owner>
<LastUpdatedBy>Domain\username</LastUpdatedBy>
<Slice></Slice>
<CreatedOn>2009-06-09T09:06:42.85</CreatedOn>
<LastUpdatedOn>2009-06-09T09:06:42.85</LastUpdatedOn>
<ScorecardLocation
  ItemUrl="/Lists/Dashboard Content/15_.000"
  ItemType="Scorecard"
  ItemGuid="4fc9dcdc2547494db86e7d3b298707b1"
  SpSiteCollectionGuid="9edb07490b514377b810d3891clac81d"
  SpSiteGuid="e656245d9da74ce8bbae0ef059f792c4"
  SpListGuid="e93c6554114d455198f8572c496139d2">
</ScorecardLocation>
<ConfiguredViewID>50289e50-956c-420f-9509-d60199260bf4</ConfiguredViewID>
<Guid>6ebdce31-a7e4-4c3a-8012-43066b39b38a</Guid>
<CellpathCoordinates>
  /Lists/Dashboard Content/14_.000Target
</CellpathCoordinates>
</annotation>
</UpdateAnnotation>
</s:Body>
</s:Envelope>

```

The protocol server responds with the following (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
  xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/UpdateAnnotationResponse
    </a:Action>
  </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <UpdateAnnotationResponse xmlns="http://tempuri.org/">
      <UpdateAnnotationResult>
        <Comments>
          <AnnotationComment
            Guid="de36bf3c-3930-40cc-9287-28425b77c3e6"
            CreatedBy="Domain\username"
            CreatedDate="2009-06-09T09:06:11.1715572-07:00"
            Message="New Comment 2"
            Title="New Comment">
          </AnnotationComment>
        </Comments>
        <Properties></Properties>
        <Owner>Domain\username</Owner>
        <LastUpdatedBy>Domain\username</LastUpdatedBy>
        <Slice></Slice>
        <CreatedOn>2009-06-09T09:06:42.85</CreatedOn>
        <LastUpdatedOn>2009-06-09T10:24:40.847</LastUpdatedOn>
        <ScorecardLocation
          ItemUrl="/Lists/Dashboard Content/15_.000"
          ItemType="Scorecard"
          ItemGuid="4fc9dcdc2547494db86e7d3b298707b1"
          SpSiteCollectionGuid="9edb07490b514377b810d3891clac81d"
          SpSiteGuid="e656245d9da74ce8bbae0ef059f792c4"
          SpListGuid="e93c6554114d455198f8572c496139d2">

```

```

    </ScorecardLocation>
    <ConfiguredViewID>50289e50-956c-420f-9509-d60199260bf4</ConfiguredViewID>
    <Guid>6ebdce31-a7e4-4c3a-8012-43066b39b38a</Guid>
    <CellpathCoordinates>
      /Lists/Dashboard Content/14_.000Target
    </CellpathCoordinates>
  </UpdateAnnotationResult>
</UpdateAnnotationResponse>
</s:Body>
</s:Envelope>

```

### 4.1.3 DeleteAnnotation

To delete the existing Annotation, the protocol client calls **DeleteAnnotation**.

The protocol client creates and sends the following message (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
  xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/DeleteAnnotation
    </a:Action>
    <a:MessageID>urn:uuid:fa482d28-a976-4cb1-b193-277c4ea8844c</a:MessageID>
    <a:ReplyTo>
    <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
    <webSiteID xmlns="PPSMA">9edb0749-0b51-4377-b810-d3891c1ac81d</webSiteID>
    <WebSiteAbsoluteUrl xmlns="PPSMA">http://boi-ppsbeta1/</WebSiteAbsoluteUrl>
    <CurrentCultureName xmlns="PPSMA">en-US</CurrentCultureName>
    <CurrentUICultureName xmlns="PPSMA">en-US</CurrentUICultureName>
  </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <DeleteAnnotation xmlns="http://tempuri.org/">
      <annotationID>6ebdce31-a7e4-4c3a-8012-43066b39b38a</annotationID>
    </DeleteAnnotation>
  </s:Body>
</s:Envelope>

```

The protocol server responds with the following (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
  xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/DeleteAnnotationResponse
    </a:Action>
  </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <DeleteAnnotationResponse
      xmlns="http://tempuri.org/">
    </DeleteAnnotationResponse>
  </s:Body>

```

```
</s:Envelope>
```

## 4.2 Scorecard Render

In this example, a protocol client is refreshing the display of a dashboard containing a scorecard.

The example assumes that the following object is known to the protocol server with the following identifier:

Type	Name	Path	ID
Scorecard	New Scorecard	/PerformancePoint/Lists/Dashboard Content	15_.000

### 4.2.1 GetScorecardDependencies

The protocol client calls **GetScorecardDependencies** to get all resources necessary to render the scorecard.

The protocol client creates and sends the following message (whitespace added for readability):

```
<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action
s:mustUnderstand="1">http://tempuri.org/IBIMonitoringServiceApplication/GetScorecardDependencies</a:Action>
    <a:MessageID>urn:uuid:bda9b3de-5b13-452d-b734-95d9776168ae</a:MessageID>
    <a:ReplyTo>
      <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
    <webSiteID xmlns="PPSMA">9edb0749-0b51-4377-b810-d3891c1ac81d</webSiteID>
    <WebSiteAbsoluteUrl xmlns="PPSMA">http://boi-ppsbeta1/</WebSiteAbsoluteUrl>
    <CurrentCultureName xmlns="PPSMA">en-US</CurrentCultureName>
    <CurrentUICultureName xmlns="PPSMA">en-US</CurrentUICultureName>
  </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <GetScorecardDependencies xmlns="http://tempuri.org/">
      <scorecardLocation ItemUrl="/Lists/Dashboard Content/15_.000" ItemType="None"
ItemGuid="00000000000000000000000000000000">
        SpSiteCollectionGuid="00000000000000000000000000000000"
        SpSiteGuid="00000000000000000000000000000000"
        SpListGuid="00000000000000000000000000000000"></scorecardLocation>
      </GetScorecardDependencies>
    </s:Body>
</s:Envelope>
```

The protocol server responds with the following (whitespace added for readability):

```
<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action
s:mustUnderstand="1">http://tempuri.org/IBIMonitoringServiceApplication/GetScorecardDependenciesResponse</a:Action>
  </s:Header>
```

```

<s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <GetScorecardDependenciesResponse xmlns="http://tempuri.org/">
    <GetScorecardDependenciesResult>
      <ExternalCssDependencies>
        <string>bsm.css</string>
        <string>bsmMenu.css</string>
        <string>OlapGrid.css</string>
      </ExternalCssDependencies>
      <ScriptDependencies>
        <ScriptDependency>

<ScriptLocation>Microsoft.PerformancePoint.Scorecards.Script.Resources.AnalyticReports.js</Sc
riptLocation>
        <AssemblyName>Microsoft.PerformancePoint.Scorecards.Script, Version=14.0.0.0,
Culture=neutral, PublicKeyToken=71e9bce111e9429c</AssemblyName>
        <ForceRelease>>false</ForceRelease>
      </ScriptDependency>
    </ScriptDependency>

<ScriptLocation>Microsoft.PerformancePoint.Scorecards.Script.Resources.Scorecard.js</ScriptLo
cation>
        <AssemblyName>Microsoft.PerformancePoint.Scorecards.Script, Version=14.0.0.0,
Culture=neutral, PublicKeyToken=71e9bce111e9429c</AssemblyName>
        <ForceRelease>>false</ForceRelease>
      </ScriptDependency>
    <ScriptDependency>
      <ScriptLocation>/_layouts/silverlight.js</ScriptLocation>
      <ForceRelease>>true</ForceRelease>
    </ScriptDependency>
  </ScriptDependencies>
</GetScorecardDependenciesResult>
</GetScorecardDependenciesResponse>
</s:Body>
</s:Envelope>

```

## 4.2.2 ScorecardSupportsExportFormat

The protocol client then calls **ScorecardSupportsExportFormat** to see if the scorecard can be exported in the given format.

The protocol client creates and sends the following message (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/
      ScorecardSupportsExportFormat
    </a:Action>
    <a:MessageID>urn:uuid:02e8da36-4611-424e-ad45-578e0561271a</a:MessageID>
    <a:ReplyTo>
      <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
    <webSiteID xmlns="PPSMA">9edb0749-0b51-4377-b810-d3891c1ac81d</webSiteID>
    <WebSiteAbsoluteUrl xmlns="PPSMA">http://boi-ppsbeta1</WebSiteAbsoluteUrl>
    <CurrentCultureName xmlns="PPSMA">en-US</CurrentCultureName>
    <CurrentUICultureName xmlns="PPSMA">en-US</CurrentUICultureName>

```

```

</s:Header>
<s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <ScorecardSupportsExportFormat xmlns="http://tempuri.org/">
    <itemFormat>PowerPoint</itemFormat>
    <scorecardLocation
      ItemUrl="/Lists/Dashboard Content/15_.000"
      ItemType="None"
      ItemGuid="00000000000000000000000000000000"
      SpSiteCollectionGuid="00000000000000000000000000000000"
      SpSiteGuid="00000000000000000000000000000000"
      SpListGuid="00000000000000000000000000000000">
    </scorecardLocation>
  </ScorecardSupportsExportFormat>
</s:Body>
</s:Envelope>

```

The protocol server responds with the following (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
  xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/
        ScorecardSupportsExportFormatResponse</a:Action>
    </s:Header>
    <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xmlns:xsd="http://www.w3.org/2001/XMLSchema">
      <ScorecardSupportsExportFormatResponse xmlns="http://tempuri.org/">
        <ScorecardSupportsExportFormatResult>
          true
        </ScorecardSupportsExportFormatResult>
      </ScorecardSupportsExportFormatResponse>
    </s:Body>
  </s:Envelope>

```

### 4.2.3 GetSettingValue

The protocol client may check for settings values on the scorecard by calling **GetSettingValue**.

The protocol client creates and sends the following message (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
  xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/GetSettingValue
    </a:Action>
    <a:MessageID>urn:uuid:3fddf9a6-e45d-42a3-a2d0-f1817cbc78d5</a:MessageID>
    <a:ReplyTo>
      <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
    <webSiteID xmlns="PPSMA">9edb0749-0b51-4377-b810-d3891c1ac81d</webSiteID>
    <WebSiteAbsoluteUrl xmlns="PPSMA">http://boi-ppsbeta1/</WebSiteAbsoluteUrl>
    <CurrentCultureName xmlns="PPSMA">en-US</CurrentCultureName>
    <CurrentUICultureName xmlns="PPSMA">en-US</CurrentUICultureName>
  </s:Header>
  <s:Body>
  </s:Body>
</s:Envelope>

```



```

</s:Header>
<s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <GetSettingValue xmlns="http://tempuri.org/">
    <key>IndicatorImageCacheTime</key>
  </GetSettingValue>
</s:Body>
</s:Envelope>

```

The protocol server responds with the following (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
            xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/GetSettingValueResponse
    </a:Action>
  </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
          xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <GetSettingValueResponse xmlns="http://tempuri.org/">
      <GetSettingValueResult>10</GetSettingValueResult>
    </GetSettingValueResponse>
  </s:Body>
</s:Envelope>

```

#### 4.2.4 RenderScorecard

Finally, the protocol client renders the scorecard by calling **RenderScorecard**.

The protocol client creates and sends the following message (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
            xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/RenderScorecard
    </a:Action>
    <a:MessageID>urn:uuid:81f00933-7e0e-4b1d-a67f-bcb6660dcc9c</a:MessageID>
    <a:ReplyTo>
      <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
    <webSiteID xmlns="PPSMA">9edb0749-0b51-4377-b810-d3891c1ac81d</webSiteID>
    <WebSiteAbsoluteUrl xmlns="PPSMA">http://boi-ppsbeta1/</WebSiteAbsoluteUrl>
    <CurrentCultureName xmlns="PPSMA">en-US</CurrentCultureName>
    <CurrentUICultureName xmlns="PPSMA">en-US</CurrentUICultureName>
  </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
          xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <RenderScorecard xmlns="http://tempuri.org/">
      <proxyCacheAttempt>true</proxyCacheAttempt>
      <scorecardLocation ItemUrl="/Lists/Dashboard Content/15_.000"
                        ItemType="None"
                        ItemGuid="00000000000000000000000000000000"
                        SpSiteCollectionGuid="00000000000000000000000000000000"
                        SpSiteGuid="00000000000000000000000000000000">

```

```

        SpListGuid="00000000000000000000000000000000">
    </scorecardLocation>
    <renderTargetId>ctl100_m_pps_b1f9f743481a4d578ae7720305724002</renderTargetId>
    <classResourcePath>/_layouts/PPSWebParts/</classResourcePath>
    <availableHeight></availableHeight>
    <availableWidth></availableWidth>
    <webPartContext>
        <ClientViewState>
            <Keys></Keys>
            <Values></Values>
        </ClientViewState>
        <InUseProviderParameterNames></InUseProviderParameterNames>
        <ProviderParameterSelections>
            <Keys></Keys>
            <Values></Values>
        </ProviderParameterSelections>
    </webPartContext>
    <isAccessibilityMode>>false</isAccessibilityMode>
</RenderScorecard>
</s:Body>
</s:Envelope>

```

The protocol server responds with the following (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
  xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/RenderScorecardResponse
    </a:Action>
  </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <RenderScorecardResponse xmlns="http://tempuri.org/">
      <proxyCacheKey></proxyCacheKey>
      <proxyCacheExpiration>0001-01-01T00:00:00</proxyCacheExpiration>
      <html>
        <div id="scctrlctl100_m_pps_b1f9f743481a4d578ae7720305724002"
          name="scctrlctl100_m_pps_b1f9f743481a4d578ae7720305724002"
          style="display:table;overflow:auto;">
          <div id="scctrlctl100_m_pps_b1f9f743481a4d578ae7720305724002_tv"
            name="scctrlctl100_m_pps_b1f9f743481a4d578ae7720305724002$tv"
            style="display:table-row;">
            <a name="ctl100_m_pps_b1f9f743481a4d578ae7720305724002begin"
              tabindex="0"></a>
            <table id="scctrlctl100_m_pps_b1f9f743481a4d578ae7720305724002_tv_sctbl1"
              cellspacing="0" cellpadding="0" rules="all" class="bsm-sctbl1"
              onkeyup="javascript:scm_ctl100_m_pps_b1f9f743481a4d578ae7720305724002.
                handleTableViewKeyboardNavigation(event);"
              onclick="javascript:scm_ctl100_m_pps_b1f9f743481a4d578ae7720305724002.
                selectScorecardCell(event);"
              onmousedown="javascript:scm_ctl100_m_pps_b1f9f743481a4d578ae7720305724002.get_menuHandler().createContextMenu(event);"
              summary="New Scorecard" border="1"
              style="border-color:#D0D8E5;border-width:1px;border-style:solid;

```

```

border-collapse:collapse;"/>
<tr rId="ch-0">
  <th class="pulpit" align="center" tabindex="0"
    SortFilterColumn="RowHeaderText" ColumnType="System.String"
    rowspan="1" scope="column"
    style="background-color:#EBF3FF;border-color:#D0D8E5;
    vertical-align:
    bottom;text-align:left;"/></th>
  <th align="center" ColumnType="System.Decimal"
    isDrillEnabled="false"
    class="chc" SortFilterColumn="Actual2" tabindex="0"
    isDrillUpEnabled="true" groupId="-3"
    isCellExpansionEnabled="false"
    cellId="1" cellType="Column" headerType="KpiActual"
    isDrillDownEnabled="true" colspan="1" rowspan="1"
    scope="column"
    style="color:#000000;background-color:#EBF3FF;
    border-color:#D0D8E5;
    font-family:Tahoma;font-size:8pt;vertical-align:middle;
    text-align:center;white-space:nowrap;"/>
    <span> Actual </span>
    <a class="bsm-Link" val="bsmval"
      style="color:#000000;cursor:pointer;"/>
    </a>
  </th>
  <th align="center" ColumnType="System.Decimal"
    isDrillEnabled="false" class="chc" SortFilterColumn="Target3"
    tabindex="0" ColumnType2="System.Decimal"
    isDrillUpEnabled="true"
    ShowSecondValue="True" groupId="-4"
    isCellExpansionEnabled="false" cellId="2" cellType="Column"
    TargetElements="Target|Variance" headerType="KpiTarget"
    isDrillDownEnabled="true" colspan="1" rowspan="1"
    scope="column"
    style="color:#000000;background-color:#EBF3FF;
    border-color:#D0D8E5;
    font-family:Tahoma;font-size:8pt;vertical-align:middle;
    text-align:center;white-space:nowrap;"/>
    <span> Target </span>
    <a class="bsm-Link" val="bsmval"
      style="color:#000000;cursor:pointer;"/></a>
  </th>
</tr>
<tr id="scctrlct100_m_pps_b1f9f743481a4d578ae7720305724002_tv_1"
  class="r-1" rId="1" pId="0" groupId="-1" isCollapsed="false"
  isCellExpansionEnabled="false"
  isHiddenBasedOnFilterStatus="false"
  isDynamicallyExpandedHeader="false">
  <th class="rhc" align="left" isDrillEnabled="false"
    isDrillUpEnabled="true" tabindex="0" groupId="-1"
    cellId="0" cellType="Row" headerType="Kpi"
    isDrillDownEnabled="true" scope="row"
    style="color:#000000;background-color:#FCFCFC;
    border-color:#D0D8E5;font-family:Tahoma;
    font-size:8pt;vertical-align:middle;
    text-align:left;white-space:nowrap;"/>
    <span> Internet Sales Amount </span>
    <a class="bsm-Link" val="bsmval"
      style="color:#000000;cursor:pointer;"/></a>

```

```

</th>
<td class="bsm-ustitle" align="left" tabindex="0"
    antaction="" ddenabled="False"
    cellpath="%2fLists%2fDashboard+Content%2f14_.000Actual"
    cellId="1" annotated="False" isCollapsed="false"
    decompenabled="False" ddTUPLExml="&lt;_dd /&gt;"
    colspan="1"
    style="color:#000000;background-color:#FFFFFF;border-color:
        #D0D8E5;font-family:Tahoma;font-size:8pt;vertical-align:
        middle;text-align:left;white-space:nowrap;">
    <a class="bsm-Link" val="bsmval"
        style="color:#000000;cursor:pointer;"></a>
    <div class="ContainerCell">
        <span val="true" class="ItemCell"> $29,358,677.22 </span>
    </div>
</td>
<td class="bsm-ustitle" align="left" tabindex="0" antaction=""
    ddenabled="False"
    cellpath="%2fLists%2fDashboard+Content%2f14_.000Target"
    cellId="2" annotated="True" isCollapsed="false"
    decompenabled="False" ddTUPLExml="&lt;_dd /&gt;"
    colspan="1"
    style="color:#000000;background-color:#FFFFFF;border-color:
        #D0D8E5;font-family:Tahoma;font-size:8pt;vertical-align:
        middle;text-align:left;white-space:nowrap;
        background-image:
        url(/_layouts/PPSWebParts/corner.gif);">
    <a class="bsm-Link" val="bsmval"
        style="color:#000000;cursor:pointer;"></a>
    <div class="ContainerCell">
        <span val="true" class="ItemCell"> $29,358,677.22 </span>
        <span style="vertical-align:middle;" class="ItemCell">
            
        </span>
        <span val="true" class="ItemCell"> 0% </span>
    </div>
</td>
</tr>
</table>
<a name="ctl100_m_pps_b1f9f743481a4d578ae7720305724002end"
    tabindex="0"></a>
</div>
</div>
</html>
<script>var target = document.getElementById(
    'ctl100_m_pps_b1f9f743481a4d578ae7720305724002');
if (null != target) { PPSMA.ClientConnectionManager.get_instance().
    updateParameters({"ClientId":
        "ctl100_m_pps_b1f9f743481a4d578ae7720305724002",
        "Name":"3e8bf61c-2573-4ecc-b3ff-e64632d1dabd","Selections":[]},
        {"ClientId":"ctl100_m_pps_b1f9f743481a4d578ae7720305724002","Name":
        "7d251088-1de5-4ea2-9127-8cc364b7660c","Selections":[]}, {"ClientId":
        "ctl100_m_pps_b1f9f743481a4d578ae7720305724002","Name":
        "679c7d39-346f-4441-82df-85f7e5d093d1","Selections":[]},
        {"ClientId":"ctl100_m_pps_b1f9f743481a4d578ae7720305724002",
        "Name":"ba454826-5813-4bdd-b0fc-810de5e17898","Selections":[]}});

```

```

    scm_ctl100_m_pps_b1f9f743481a4d578ae7720305724002.initializeManager(); }
</script>
<webPartContextUpdate>
  <ClientViewStateWrapper>
    <Keys>
      <string>StatusFilters</string>
      <string>ExpandedColumns</string>
      <string>ExpandedRows</string>
      <string>ScorecardId</string>
      <string>ConfiguredViewId</string>
      <string>ShowAnnotations</string>
      <string>ShowDetails</string>
      <string>PageFilters</string>
      <string>TimeIntelligenceCurrentTime</string>
      <string>TimeIntelligenceFormula</string>
      <string>ServiceUrl</string>
      <string>CommentsUrl</string>
      <string>ToolBarId</string>
      <string>ToolBarType</string>
      <string>TableId</string>
      <string>ViewTableType</string>
      <string>SortFilterType</string>
      <string>AccessibilityMode</string>
      <string>AllowFilter</string>
      <string>AllowSort</string>
      <string>AllowStatusFilter</string>
      <string>RollupType</string>
    </Keys>
    <Values>
      <string>[{"DisplayName":"On Target","GroupId":
        "c7648a29-9ad7-dd4f-70d8-a19655c6deb8.3","IsSelected":false},
        {"DisplayName":"Slightly Off Target","GroupId":
        "c7648a29-9ad7-dd4f-70d8-a19655c6deb8.2","IsSelected":false},
        {"DisplayName":"Off Target","GroupId":
        "c7648a29-9ad7-dd4f-70d8-a19655c6deb8.1","IsSelected":false}]
      </string>
      <string>1:2</string>
      <string>1</string>
      <string>8f60f30d01a4dc3e61ea7e3e6b1e4b89</string>
      <string>50289e50956c420f9509d60199260bf4</string>
      <string>true</string>
      <string>true</string>
      <string>
        %3c%3fxml+version%3d%221.0%22+encoding%3d%22utf-
        16%22%3f%3e%0d%0a%3cmsfs+%2f%3e
      </string>
      <string></string>
      <string></string>
      <string>
        /_vti_bin/PPS/BIMonitoringRenderingService.
        asmx/RenderScorecardAjaxControl
      </string>
      <string>
        /_vti_bin/PPS/BIMonitoringRenderingService.
        asmx/ScorecardAjaxCommentsUpdate
      </string>
      <string>
        scctrl100_m_pps_b1f9f743481a4d578ae7720305724002_scorecardToolBar
      </string>
    </Values>
  </ClientViewStateWrapper>
</webPartContextUpdate>

```

```

<string>
  Microsoft.PerformancePoint.Scorecards.ServerRendering.
      Internal.ToolbarCtrl,
  Microsoft.PerformancePoint.Scorecards.ServerRendering,
  Version=14.0.0.0, Culture=neutral, PublicKeyToken=71e9bce111e9429c
</string>
<string>
  scctrlctl00_m_pps_b1f9f743481a4d578ae7720305724002_tv
</string>
<string>
  Microsoft.PerformancePoint.Scorecards.ServerRendering.
      Internal.ViewTableCtrl,
  Microsoft.PerformancePoint.Scorecards.ServerRendering,
  Version=14.0.0.0, Culture=neutral, PublicKeyToken=71e9bce111e9429c
</string>
<string>
  Microsoft.PerformancePoint.Scorecards.ServerRendering.
      Internal.SortAndFilterTableCtrl,
  Microsoft.PerformancePoint.Scorecards.ServerRendering,
  Version=14.0.0.0, Culture=neutral,
  PublicKeyToken=71e9bce111e9429c
</string>
<string>false</string>
<string>true</string>
<string>true</string>
<string>true</string>
<string>None</string>
</Values>
</ClientViewStateWrapper>
</webPartContextUpdate>
</RenderScorecardResponse>
</s:Body>
</s:Envelope>

```

## 5 Security

### 5.1 Security Considerations for Implementers

Secure Socket Layer (SSL) is required to securely implement this protocol. The protocol exposes data sources to potential tampering or data disclosure without SSL.

The security permissions for all FirstClassElement (see [\[MS-PPSAS\]](#)) objects are based on the SharePoint list containing the object.

The security permissions for Annotation (see [MS-PPSAS]) are inherited from the parent FirstClassElement objects.

### 5.2 Index of Security Parameters

None.

## 6 Appendix A: Full WSDL

```
<?xml version="1.0" encoding="utf-8"?>
<wsdl:definitions xmlns:i0="http://www.microsoft.com/performancepoint/scorecards"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:tns="http://www.microsoft.com/performancepoint/scorecards"
name="BIMonitoringServiceApplication"
targetNamespace="http://www.microsoft.com/performancepoint/scorecards"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:types>
    <xs:schema attributeFormDefault="unqualified" elementFormDefault="qualified"
targetNamespace="http://www.microsoft.com/performancepoint/scorecards"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
      <xs:import namespace="http://microsoft.com/wsdl/types/" />
      <xs:import namespace="http://www.w3.org/2001/XMLSchema" />
      <xs:import
namespace="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards" />
      <xs:import
namespace="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon.Export" />
      <xs:import
namespace="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon" />
      <xs:element name="DeleteDataSource">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="location"
type="tns:RepositoryLocation" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="FirstClassObjectType" type="tns:FirstClassObjectType" />
      <xs:simpleType name="FirstClassObjectType">
        <xs:restriction base="xs:string">
          <xs:enumeration value="None" />
          <xs:enumeration value="Kpi" />
          <xs:enumeration value="Scorecard" />
          <xs:enumeration value="ReportView" />
          <xs:enumeration value="Indicator" />
          <xs:enumeration value="DataSource" />
          <xs:enumeration value="Dashboard" />
          <xs:enumeration value="TempReportView" />
          <xs:enumeration value="Filter" />
        </xs:restriction>
      </xs:simpleType>
      <xs:complexType name="RepositoryLocation">
        <xs:attribute name="ItemUrl" type="xs:string" use="required" />
        <xs:attribute default="None" name="ItemType" type="tns:FirstClassObjectType"
use="optional" />
        <xs:attribute default="00000000-0000-0000-0000-000000000000" name="ItemGuid"
use="optional">
          <xs:simpleType>
            <xs:restriction base="xs:string">
              <xs:pattern value="[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-
[0-9a-fA-F]{12}" />
            </xs:restriction>
          </xs:simpleType>
        </xs:attribute>
      </xs:complexType>
    </xs:schema>
  </wsdl:types>

```



```

        <xs:attribute default="00000000-0000-0000-0000-000000000000"
name="SpSiteCollectionGuid" use="optional">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:pattern value="[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12}" />
        </xs:restriction>
    </xs:simpleType>
</xs:attribute>
    <xs:attribute default="00000000-0000-0000-0000-000000000000" name="SpSiteGuid"
use="optional">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:pattern value="[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12}" />
        </xs:restriction>
    </xs:simpleType>
</xs:attribute>
    <xs:attribute default="00000000-0000-0000-0000-000000000000" name="SpListGuid"
use="optional">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:pattern value="[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12}" />
        </xs:restriction>
    </xs:simpleType>
</xs:attribute>
</xs:complexType>
<xs:element name="DeleteDataSourceResponse">
    <xs:complexType />
</xs:element>
<xs:element name="SaveFilterValues">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="elementLocation"
type="tns:RepositoryLocation" />
            <xs:element minOccurs="0" maxOccurs="1" name="parameterDefinition"
type="tns:ParameterDefinition" />
            <xs:element minOccurs="0" maxOccurs="1" name="selections"
type="tns:ArrayOfString" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:complexType name="ParameterDefinition">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="ParameterUniqueName" type="xs:string"
/>
        <xs:element minOccurs="0" maxOccurs="1" name="DisplayValues">
            <xs:complexType>
                <xs:sequence>
                    <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax" />
                    <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
processContents="lax" />
                </xs:sequence>
            </xs:complexType>
</xs:element>
        <xs:element minOccurs="0" maxOccurs="1" name="CustomDefinition" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="ParameterProviderId" type="xs:string"
/>
    </xs:sequence>
</xs:complexType>

```

```

        <xs:element minOccurs="0" maxOccurs="1" name="DisplayName" type="xs:string" />
        <xs:element minOccurs="1" maxOccurs="1" name="EmitterType"
type="tns:BeginPointEmitterType" />
        <xs:element minOccurs="0" maxOccurs="1" name="KeyColumn" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="ParentKeyColumn" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="DisplayColumn" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="IsDefaultColumn" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="DefaultPostFormula" type="xs:string"
/>
    </xs:sequence>
</xs:complexType>
<xs:simpleType name="BeginPointEmitterType">
    <xs:restriction base="xs:string">
        <xs:enumeration value="BothAConditionalVisibilityAndParameterEmitter" />
        <xs:enumeration value="ConditionalVisibilityEmitter" />
        <xs:enumeration value="ParameterEmitter" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="ArrayOfString">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="string" nillable="true"
type="xs:string" />
    </xs:sequence>
</xs:complexType>
<xs:element name="SaveFilterValuesResponse">
    <xs:complexType />
</xs:element>
<xs:element name="GetKpisFromScorecard">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="scorecardLocation"
type="tns:RepositoryLocation" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetKpisFromScorecardResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetKpisFromScorecardResult"
type="tns:ArrayOfKpi" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:complexType name="ArrayOfKpi">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="Kpi" nillable="true"
type="tns:Kpi" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="Kpi">
    <xs:complexContent mixed="false">
        <xs:extension base="tns:FirstClassElement">
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="1" name="Actuals"
type="tns:ArrayOfKpiMeasure" />
                <xs:element minOccurs="0" maxOccurs="1" name="Targets" type="tns:ArrayOfTarget"
/>
            </xs:sequence>
        </xs:extension>
    </xs:complexContent>

```

```

</xs:complexType>
<xs:complexType name="FirstClassElement" abstract="true">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:Element">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Version"
type="tns:ElementVersion" />
        <xs:element minOccurs="0" maxOccurs="1" name="Location"
type="tns:RepositoryLocation" />
      </xs:sequence>
      <xs:attribute name="Folder" type="xs:string" />
      <xs:attribute name="CreatedBy" type="xs:string" />
      <xs:attribute name="CreatedDate" type="xs:dateTime" use="required" />
      <xs:attribute name="ContentType" type="tns:FCOContentType" use="required" />
      <xs:attribute name="LastModified" type="xs:dateTime" use="required" />
      <xs:attribute name="ModifiedBy" type="xs:string" />
      <xs:attribute name="CheckedOutTo" type="xs:string" />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="Element" abstract="true">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Properties"
type="tns:ArrayOfBpmProperty" />
    <xs:element minOccurs="0" maxOccurs="1" name="Comments" type="tns:ArrayOfComment"
/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfBpmProperty">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="BpmProperty" nillable="true"
type="tns:BpmProperty" />
  </xs:sequence>
</xs:complexType>
<xs:complexType name="BpmProperty" abstract="true">
  <xs:attribute name="UniqueName" type="xs:string" />
  <xs:attribute name="DisplayName" type="xs:string" />
  <xs:attribute name="Description" type="xs:string" />
  <xs:attribute name="Required" type="xs:boolean" use="required" />
  <xs:attribute name="Visible" type="xs:boolean" use="required" />
</xs:complexType>
<xs:complexType name="BpmPropertyDecimal">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:BpmProperty">
      <xs:attribute name="Decimal" type="xs:decimal" use="required" />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="BpmPropertyList">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:BpmProperty">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="ListItems"
type="tns:ArrayOfBpmPropertyListItem" />
      </xs:sequence>
      <xs:attribute name="SelectedIndex" type="xs:int" use="required" />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

```

<xs:complexType name="ArrayOfBpmPropertyListItem">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="BpmPropertyListItem"
nillable="true" type="tns:BpmPropertyListItem" />
  </xs:sequence>
</xs:complexType>
<xs:complexType name="BpmPropertyListItem">
  <xs:attribute name="Name" type="xs:string" />
  <xs:attribute name="Value" type="xs:string" />
</xs:complexType>
<xs:complexType name="BpmPropertyDate">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:BpmProperty">
      <xs:attribute name="Date" type="xs:dateTime" use="required" />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="BpmPropertyLongText">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:BpmProperty">
      <xs:attribute name="Text" type="xs:string" />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="BpmPropertyText">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:BpmProperty">
      <xs:attribute name="Text" type="xs:string" />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="BpmPropertyUser">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:BpmProperty">
      <xs:attribute name="Login" type="xs:string" />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="BpmPropertyLinkBase">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:BpmProperty">
      <xs:attribute name="Hyperlink" type="xs:string" />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="BpmPropertyHyperlink2">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:BpmPropertyLinkBase" />
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="BpmPropertyHyperlink">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:BpmPropertyLinkBase" />
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="BpmPropertyBool">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:BpmProperty">
      <xs:attribute name="Value" type="xs:boolean" use="required" />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

```

        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="ArrayOfComment">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="Comment" nillable="true"
type="tns:Comment" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="Comment">
    <xs:attribute xmlns:q1="http://microsoft.com/wsdl/types/" name="Guid" type="q1:guid"
use="required" />
    <xs:attribute name="CreatedBy" type="xs:string" />
    <xs:attribute name="CreatedDate" type="xs:dateTime" use="required" />
    <xs:attribute name="Message" type="xs:string" />
</xs:complexType>
<xs:complexType name="SecondClassElement" abstract="true">
    <xs:complexContent mixed="false">
        <xs:extension base="tns:Element">
            <xs:attribute xmlns:q2="http://microsoft.com/wsdl/types/" name="Guid"
type="q2:guid" use="required" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="KpiMeasure">
    <xs:complexContent mixed="false">
        <xs:extension base="tns:SecondClassElement">
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="1" name="OwnerKpiLocation"
type="tns:RepositoryLocation" />
                <xs:element minOccurs="0" maxOccurs="1" name="DataSourceLocation"
type="tns:RepositoryLocation" />
                <xs:element minOccurs="0" maxOccurs="1" name="DefaultDimensionSettings"
type="tns:ArrayOfDefaultDimensionSetting" />
                <xs:element minOccurs="0" maxOccurs="1" name="OverrideFormatProperties"
type="tns:KpiNumberFormatProperties" />
                <xs:element minOccurs="0" maxOccurs="1" name="CalcFormulaInfo"
type="tns:CalculatedFormulaInfo" />
            </xs:sequence>
            <xs:attribute name="AggregateBy" type="tns:AggregateTypeEnum" use="required" />
            <xs:attribute name="DisableScorecardFilters" type="xs:boolean" use="required" />
            <xs:attribute name="ModelCurrent" type="xs:decimal" use="required" />
            <xs:attribute name="Pattern" type="tns:KpiPattern" use="required" />
            <xs:attribute name="CurrentFormula" type="xs:string" />
            <xs:attribute name="IsCustomCurrentFormula" type="xs:boolean" use="required" />
            <xs:attribute name="OdbcQuery" type="xs:string" />
            <xs:attribute name="OverrideHoverText" type="xs:string" />
            <xs:attribute name="TimeFilterFormula" type="xs:string" />
            <xs:attribute name="ValueSource" type="tns:ValueSources" use="required" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="ArrayOfDefaultDimensionSetting">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="DefaultDimensionSetting"
nillable="true" type="tns:DefaultDimensionSetting" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="DefaultDimensionSetting">
    <xs:complexContent mixed="false">

```

```

        <xs:extension base="tns:Dimension">
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="unbounded" name="Members"
type="tns:Member" />
            </xs:sequence>
            <xs:attribute name="IsVisible" type="xs:boolean" use="required" />
            <xs:attribute name="ShowAsSlider" type="xs:boolean" use="required" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="Dimension">
    <xs:complexContent mixed="false">
        <xs:extension base="tns:NameInfo">
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="1" name="MeasureGroupNames"
type="tns:ArrayOfString" />
                <xs:element minOccurs="1" maxOccurs="1" name="Type"
type="tns:DimensionTypeEnum" />
                <xs:element minOccurs="0" maxOccurs="1" name="Hierarchies"
type="tns:ArrayOfHierarchy" />
                <xs:element minOccurs="0" maxOccurs="1" name="Levels" type="tns:ArrayOfLevel"
/>
            </xs:sequence>
            <xs:attribute name="IsMeasureDimension" type="xs:boolean" use="required" />
            <xs:attribute name="DefaultMemberName" type="xs:string" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="NameInfo">
    <xs:attribute name="DisplayName" type="xs:string" />
    <xs:attribute name="UniqueName" type="xs:string" />
    <xs:attribute name="Description" type="xs:string" />
</xs:complexType>
<xs:complexType name="Level">
    <xs:complexContent mixed="false">
        <xs:extension base="tns:NameInfo">
            <xs:attribute name="DimensionUniqueName" type="xs:string" />
            <xs:attribute name="HierarchyUniqueName" type="xs:string" />
            <xs:attribute name="IsAllLevel" type="xs:boolean" use="required" />
            <xs:attribute name="LevelNumber" type="xs:int" use="required" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="Hierarchy">
    <xs:complexContent mixed="false">
        <xs:extension base="tns:NameInfo">
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="1" name="Levels" type="tns:ArrayOfLevel"
/>
            </xs:sequence>
            <xs:attribute name="DefaultMemberName" type="xs:string" />
            <xs:attribute name="DimensionUniqueName" type="xs:string" />
            <xs:attribute name="DisplayFolder" type="xs:string" />
            <xs:attribute name="HierarchyOrigin" type="tns:HierarchyOrigin" use="required" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="ArrayOfLevel">
    <xs:sequence>

```

```

        <xs:element minOccurs="0" maxOccurs="unbounded" name="Level" nillable="true"
type="tns:Level" />
    </xs:sequence>
</xs:complexType>
<xs:simpleType name="HierarchyOrigin">
    <xs:restriction base="xs:string">
        <xs:enumeration value="None" />
        <xs:enumeration value="AttributeHierarchy" />
        <xs:enumeration value="ParentChildHierarchy" />
        <xs:enumeration value="UserHierarchy" />
    </xs:restriction>
</xs:simpleType>
<xs:simpleType name="DimensionTypeEnum">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Accounts" />
        <xs:enumeration value="BillOfMaterials" />
        <xs:enumeration value="Channel" />
        <xs:enumeration value="Currency" />
        <xs:enumeration value="Customers" />
        <xs:enumeration value="Geography" />
        <xs:enumeration value="Measure" />
        <xs:enumeration value="Organization" />
        <xs:enumeration value="Other" />
        <xs:enumeration value="Products" />
        <xs:enumeration value="Promotion" />
        <xs:enumeration value="Quantitative" />
        <xs:enumeration value="Rates" />
        <xs:enumeration value="Scenario" />
        <xs:enumeration value="Time" />
        <xs:enumeration value="Unknown" />
        <xs:enumeration value="Utility" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="ArrayOfHierarchy">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="Hierarchy" nillable="true"
type="tns:Hierarchy" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="Member">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="MemberOperation"
type="tns:MemberOperation" />
    </xs:sequence>
    <xs:attribute name="Caption" type="xs:string" />
    <xs:attribute name="UniqueName" type="xs:string" />
    <xs:attribute name="LevelName" type="xs:string" />
    <xs:attribute name="DimensionName" type="xs:string" />
    <xs:attribute name="LevelDepth" type="xs:int" use="required" />
    <xs:attribute name="ChildCount" type="xs:long" use="required" />
    <xs:attribute name="IsChildCountReal" type="xs:boolean" use="required" />
    <xs:attribute name="IsAllLevel" type="xs:boolean" use="required" />
    <xs:attribute name="DimensionUniqueName" type="xs:string" />
    <xs:attribute name="MemberType" type="tns:MemberType" use="required" />
</xs:complexType>
<xs:complexType name="MemberOperation" abstract="true" />
<xs:complexType name="MemberOperationLeafDescendants">
    <xs:complexContent mixed="false">
        <xs:extension base="tns:MemberOperation" />
    </xs:complexContent>
</xs:complexType>

```

```

    </xs:complexContent>
  </xs:complexType>
  <xs:complexType name="MemberOperationChildren">
    <xs:complexContent mixed="false">
      <xs:extension base="tns:MemberOperation" />
    </xs:complexContent>
  </xs:complexType>
  <xs:complexType name="MemberOperationDescendants">
    <xs:complexContent mixed="false">
      <xs:extension base="tns:MemberOperation">
        <xs:attribute name="LevelUniqueName" type="xs:string" />
        <xs:attribute name="LevelDisplayName" type="xs:string" />
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:complexType name="MemberOperationHide">
    <xs:complexContent mixed="false">
      <xs:extension base="tns:MemberOperation" />
    </xs:complexContent>
  </xs:complexType>
  <xs:complexType name="MemberOperationAllDescendants">
    <xs:complexContent mixed="false">
      <xs:extension base="tns:MemberOperation" />
    </xs:complexContent>
  </xs:complexType>
  <xs:complexType name="MemberOperationDrillUp">
    <xs:complexContent mixed="false">
      <xs:extension base="tns:MemberOperation" />
    </xs:complexContent>
  </xs:complexType>
  <xs:simpleType name="MemberType">
    <xs:restriction base="xs:string">
      <xs:enumeration value="Regular" />
      <xs:enumeration value="Operation" />
      <xs:enumeration value="Default" />
      <xs:enumeration value="Formula" />
    </xs:restriction>
  </xs:simpleType>
  <xs:complexType name="KpiNumberFormatProperties">
    <xs:attribute name="Multiplier" type="xs:decimal" use="required" />
    <xs:attribute name="FormatType" type="tns:FormatType" use="required" />
    <xs:attribute name="CurrencySymbol" type="xs:string" />
    <xs:attribute name="DecimalPlaces" type="xs:int" use="required" />
    <xs:attribute name="NegativeSymbol" type="tns:FormatNegativeSymbol" use="required" />
    <xs:attribute name="ShowZeroAs" type="xs:string" />
    <xs:attribute name="UseThousandsSeparator" type="xs:boolean" use="required" />
    <xs:attribute name="AdditionalTextLeft" type="xs:string" />
    <xs:attribute name="AdditionalTextRight" type="xs:string" />
  </xs:complexType>
  <xs:simpleType name="FormatType">
    <xs:restriction base="xs:string">
      <xs:enumeration value="Default" />
      <xs:enumeration value="Number" />
      <xs:enumeration value="Currency" />
      <xs:enumeration value="Percentage" />
      <xs:enumeration value="Unknown" />
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="FormatNegativeSymbol">

```



```

    <xs:restriction base="xs:string">
      <xs:enumeration value="NegativeSign" />
      <xs:enumeration value="Parenthesis" />
    </xs:restriction>
  </xs:simpleType>
  <xs:complexType name="CalculatedFormulaInfo">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="AliasInfoCollection"
type="tns:ArrayOfAliasInfo" />
    </xs:sequence>
    <xs:attribute name="Formula" type="xs:string" />
  </xs:complexType>
  <xs:complexType name="ArrayOfAliasInfo">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="AliasInfo" nillable="true"
type="tns:AliasInfo" />
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="AliasInfo">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="AliasCalculationInfo"
type="tns:KpiMeasure" />
    </xs:sequence>
    <xs:attribute name="AliasName" type="xs:string" />
  </xs:complexType>
  <xs:simpleType name="AggregateTypeEnum">
    <xs:restriction base="xs:string">
      <xs:enumeration value="Default" />
      <xs:enumeration value="Sum" />
      <xs:enumeration value="Minimum" />
      <xs:enumeration value="Maximum" />
      <xs:enumeration value="Count" />
      <xs:enumeration value="Average" />
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="KpiPattern">
    <xs:restriction base="xs:string">
      <xs:enumeration value="IncreasingIsBetter" />
      <xs:enumeration value="DecreasingIsBetter" />
      <xs:enumeration value="CloserToTargetIsBetter" />
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="ValueSources">
    <xs:restriction base="xs:string">
      <xs:enumeration value="Default" />
      <xs:enumeration value="NoValue" />
      <xs:enumeration value="SourceData" />
      <xs:enumeration value="Text" />
      <xs:enumeration value="AverageRollup" />
      <xs:enumeration value="MinRollup" />
      <xs:enumeration value="MaxRollup" />
      <xs:enumeration value="TotalRollup" />
    </xs:restriction>
  </xs:simpleType>
  <xs:complexType name="Target">
    <xs:complexContent mixed="false">
      <xs:extension base="tns:KpiMeasure">
        <xs:sequence>

```

```

        <xs:element minOccurs="0" maxOccurs="1" name="IndicatorLocation"
type="tns:RepositoryLocation" />
        <xs:element minOccurs="0" maxOccurs="1" name="StatedScore"
type="tns:KpiMeasure" />
        <xs:element minOccurs="0" maxOccurs="1" name="Banding" type="tns:Banding" />
        <xs:element xmlns:q3="http://microsoft.com/wsdl/types/" minOccurs="1"
maxOccurs="1" name="RelatedActualId" type="q3:guid" />
        </xs:sequence>
        <xs:attribute name="IsRollupScore" type="xs:boolean" use="required" />
        </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="Banding">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="CustomBoundary"
type="tns:ArrayOfDecimal" />
        </xs:sequence>
        <xs:attribute name="Type" type="tns:BandType" use="required" />
        <xs:attribute name="BandValue" type="xs:string" />
        <xs:attribute name="ActualWorst" type="xs:decimal" use="required" />
        <xs:attribute name="SpreadMinimum" type="xs:decimal" use="required" />
        <xs:attribute name="SpreadMaximum" type="xs:decimal" use="required" />
    </xs:complexType>
    <xs:complexType name="ArrayOfDecimal">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="decimal" type="xs:decimal" />
        </xs:sequence>
    </xs:complexType>
    <xs:simpleType name="BandType">
        <xs:restriction base="xs:string">
            <xs:enumeration value="Normalized" />
            <xs:enumeration value="Actual" />
            <xs:enumeration value="StatedScore" />
        </xs:restriction>
    </xs:simpleType>
    <xs:complexType name="ElementVersion">
        <xs:attribute name="Major" type="xs:int" use="required" />
        <xs:attribute name="Minor" type="xs:int" use="required" />
    </xs:complexType>
    <xs:simpleType name="FCOContentType">
        <xs:list>
            <xs:simpleType>
                <xs:restriction base="xs:string">
                    <xs:enumeration value="None" />
                    <xs:enumeration value="PpsDashboard" />
                    <xs:enumeration value="PpsScorecard" />
                    <xs:enumeration value="PpsKpi" />
                    <xs:enumeration value="PpsReportView" />
                    <xs:enumeration value="PpsIndicator" />
                    <xs:enumeration value="PpsDataSource" />
                    <xs:enumeration value="PpsFilter" />
                </xs:restriction>
            </xs:simpleType>
        </xs:list>
    </xs:simpleType>
    <xs:complexType name="ArrayOfKpiMeasure">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="KpiMeasure" nillable="true"
type="tns:KpiMeasure" />

```

```

        </xs:sequence>
    </xs:complexType>
    <xs:complexType name="ArrayOfTarget">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="Target" nillable="true"
type="tns:Target" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="GetAnalyticReportView">
        <xs:complexType>
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="1" name="analyticReportViewLocation"
type="tns:RepositoryLocation" />
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:element name="GetAnalyticReportViewResponse">
        <xs:complexType>
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="1" name="GetAnalyticReportViewResult"
type="tns:ReportView" />
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:complexType name="ReportView">
        <xs:complexContent mixed="false">
            <xs:extension base="tns:FirstClassElement">
                <xs:sequence>
                    <xs:element minOccurs="0" maxOccurs="1" name="ScorecardLocation"
type="tns:RepositoryLocation" />
                    <xs:element minOccurs="0" maxOccurs="1" name="CustomData" type="xs:string" />
                    <xs:element minOccurs="0" maxOccurs="1" name="EndPoints"
type="tns:ArrayOfEndPoint" />
                    <xs:element minOccurs="0" maxOccurs="1" name="BeginPoints"
type="tns:ArrayOfParameterDefinition" />
                </xs:sequence>
                <xs:attribute name="TypeName" type="xs:string" />
                <xs:attribute name="RenderClientSide" type="xs:boolean" use="required" />
                <xs:attribute xmlns:q4="http://microsoft.com/wsdl/types/" name="ConfiguredViewId"
type="q4:guid" use="required" />
                <xs:attribute name="SubTypeId" type="xs:string" />
                <xs:attribute name="RendererClassName" type="xs:string" />
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="ArrayOfEndPoint">
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            <xs:element minOccurs="0" maxOccurs="unbounded" name="EndPoint" nillable="true"
type="tns:EndPoint" />
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    </xs:complexType>
    <xs:complexType name="EndPoint">
        <xs:attribute name="Category" type="tns:EndPointCategory" use="required" />
        <xs:attribute name="UniqueName" type="xs:string" />
        <xs:attribute name="DisplayName" type="xs:string" />
        <xs:attribute name="AcceptsMultipleFilterLinks" type="xs:boolean" use="required" />
    </xs:complexType>
    <xs:simpleType name="EndPointCategory">
        <xs:restriction base="xs:string">
            <xs:enumeration value="None" />
        </xs:restriction>
    </xs:simpleType>

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        <xs:enumeration value="Axis" />
        <xs:enumeration value="ColumnHierarchy" />
        <xs:enumeration value="RowHierarchy" />
    </xs:restriction>
</xs:simpleType>
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    <xs:sequence>
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nillable="true" type="tns:ParameterDefinition" />
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</xs:complexType>
<xs:element name="GetStrategyMapReportView">
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        <xs:sequence>
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type="tns:RepositoryLocation" />
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    </xs:complexType>
</xs:element>
<xs:element name="GetStrategyMapReportViewResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetStrategyMapReportViewResult"
type="tns:ReportView" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetLatestAnalyticReportVersion">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q5="http://microsoft.com/wsdl/types/" minOccurs="1"
maxOccurs="1" name="analyticReportViewId" type="q5:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetLatestAnalyticReportVersionResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1"
name="GetLatestAnalyticReportVersionResult" type="xs:int" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetSettings">
    <xs:complexType />
</xs:element>
<xs:element name="GetSettingsResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetSettingsResult"
type="tns:ArrayOfSetting" />
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    </xs:complexType>
</xs:element>
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    <xs:sequence>
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type="tns:Setting" />
    </xs:sequence>
</xs:complexType>

```

```

</xs:complexType>
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  <xs:attribute name="Key" type="xs:string" />
  <xs:attribute name="Type" type="tns:SettingType" use="required" />
  <xs:attribute name="Value" type="xs:string" />
  <xs:attribute name="DefaultValue" type="xs:string" />
</xs:complexType>
<xs:simpleType name="SettingType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="String" />
    <xs:enumeration value="Boolean" />
    <xs:enumeration value="Integer" />
  </xs:restriction>
</xs:simpleType>
<xs:element name="GetSetting">
  <xs:complexType>
    <xs:sequence>
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    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetSettingResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetSettingResult"
type="tns:Setting" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetSettingValue">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="key" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetSettingValueResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetSettingValueResult"
type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="UpdateSettingValue">
  <xs:complexType>
    <xs:sequence>
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      <xs:element minOccurs="0" maxOccurs="1" name="value" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="UpdateSettingValueResponse">
  <xs:complexType />
</xs:element>
<xs:element name="GetAnnotationSetting">
  <xs:complexType />
</xs:element>
<xs:element name="GetAnnotationSettingResponse">

```

```

    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="GetAnnotationSettingResult"
type="tns:AnnotationSetting" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:complexType name="AnnotationSetting">
    <xs:attribute name="IsAnnotationEnabled" type="xs:boolean" use="required" />
    <xs:attribute name="IsAnnotationEnabledDefault" type="xs:boolean" use="required" />
    <xs:attribute name="IsDeletionByAuthorEnabled" type="xs:boolean" use="required" />
    <xs:attribute name="IsDeletionByAuthorEnabledDefault" type="xs:boolean"
use="required" />
    <xs:attribute name="MaxAnnotationAllowed" type="xs:int" use="required" />
  </xs:complexType>
  <xs:element name="GetDependentElements">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="missingItems"
type="tns:ArrayOfRepositoryLocation" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:complexType name="ArrayOfRepositoryLocation">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="RepositoryLocation"
nillable="true" type="tns:RepositoryLocation" />
    </xs:sequence>
  </xs:complexType>
  <xs:element name="GetDependentElementsResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="GetDependentElementsResult"
type="tns:DependentElementInfo" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:complexType name="DependentElementInfo">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="DependentLists"
type="tns:ArrayOfRepositoryList" />
      <xs:element minOccurs="0" maxOccurs="1" name="DependentElements"
type="tns:ArrayOfFirstClassElement" />
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="ArrayOfRepositoryList">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="RepositoryList"
nillable="true" type="tns:RepositoryList" />
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="RepositoryList">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="Location">
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          <xs:sequence>
            <xs:element ref="xs:schema" />
            <xs:any />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>

```

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        </xs:element>
        <xs:element minOccurs="1" maxOccurs="1" name="SupportedTypes"
type="tns:FCOContentType" />
        <xs:element minOccurs="0" maxOccurs="1" name="Title" type="xs:string" />
        <xs:element xmlns:q6="http://microsoft.com/wsdl/types/" minOccurs="1" maxOccurs="1"
name="ListId" type="q6:guid" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfFirstClassElement">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="FirstClassElement"
nillable="true" type="tns:FirstClassElement" />
    </xs:sequence>
</xs:complexType>
<xs:element name="GetTreeMembersDataTable">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="tns:DataSource"
/>
            <xs:element minOccurs="0" maxOccurs="1" name="memberUniqueName" type="xs:string"
/>
            <xs:element minOccurs="0" maxOccurs="1" name="dimensionUniqueName"
type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="selectedMemberKeysStr"
type="xs:string" />
            <xs:element minOccurs="1" maxOccurs="1" name="index" type="xs:int" />
            <xs:element minOccurs="1" maxOccurs="1" name="count" type="xs:int" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:complexType name="DataSource">
    <xs:complexContent mixed="false">
        <xs:extension base="tns:FirstClassElement">
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="1" name="CustomData" type="xs:string" />
                <xs:element minOccurs="0" maxOccurs="1" name="CustomTimeIntelligenceSettings"
type="xs:string" />
                <xs:element minOccurs="0" maxOccurs="1" name="DataTableMapping"
type="tns:DataTableMapping" />
            </xs:sequence>
            <xs:attribute name="SourceName" type="xs:string" />
            <xs:attribute name="ServerName" type="xs:string" />
            <xs:attribute name="DatabaseName" type="xs:string" />
            <xs:attribute name="CubeName" type="xs:string" />
            <xs:attribute name="CubeDisplayName" type="xs:string" />
            <xs:attribute name="FormattingDimensionName" type="xs:string" />
            <xs:attribute name="FormattingDimensionDisplayName" type="xs:string" />
            <xs:attribute name="FormattingDimensionType" type="tns:DimensionTypeEnum"
use="required" />
            <xs:attribute name="ConnectionString" type="xs:string" />
            <xs:attribute name="Roles" type="xs:string" />
            <xs:attribute name="UseConnectionString" type="xs:boolean" use="required" />
            <xs:attribute name="ConnectionContext" type="tns:ConnectionContext"
use="required" />
            <xs:attribute name="PassUserNameAsAdomdCustomData" type="xs:boolean"
use="required" />
            <xs:attribute name="ReadOnly" type="xs:boolean" use="required" />
            <xs:attribute name="MinutesToCache" type="xs:int" use="required" />
            <xs:attribute name="ServerMajorVersion" type="xs:int" use="required" />
            <xs:attribute name="SubTypeId" type="xs:string" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>

```

```

        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="DataTableMapping">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="ColumnMappings"
type="tns:ArrayOfDataColumnMapping" />
        <xs:element minOccurs="0" maxOccurs="1" name="MasterTimeColumn"
type="tns:DataColumnMapping" />
    </xs:sequence>
    <xs:attribute name="DateAggregationType" type="tns:DateAggregationTypes"
use="required" />
    <xs:attribute name="CalendarStartMonth" type="xs:int" use="required" />
</xs:complexType>
<xs:complexType name="ArrayOfDataColumnMapping">
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nillable="true" type="tns:DataColumnMapping" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="DataColumnMapping">
    <xs:attribute name="UniqueName" type="xs:string" />
    <xs:attribute name="KeyColumnName" type="xs:string" />
    <xs:attribute name="SourceColumnName" type="xs:string" />
    <xs:attribute name="FriendlyColumnName" type="xs:string" />
    <xs:attribute name="ColumnType" type="tns:MappedColumnTypes" use="required" />
    <xs:attribute name="FactAggregation" type="tns:FactAggregations" use="required" />
    <xs:attribute name="ColumnDataType" type="tns:MappedColumnDataTypes" use="required"
/>
</xs:complexType>
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        <xs:enumeration value="Ignore" />
        <xs:enumeration value="Fact" />
        <xs:enumeration value="Dimension" />
        <xs:enumeration value="TimeDimension" />
        <xs:enumeration value="Key" />
    </xs:restriction>
</xs:simpleType>
<xs:simpleType name="FactAggregations">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Average" />
        <xs:enumeration value="Count" />
        <xs:enumeration value="Max" />
        <xs:enumeration value="Min" />
        <xs:enumeration value="None" />
        <xs:enumeration value="StDev" />
        <xs:enumeration value="Sum" />
        <xs:enumeration value="Variance" />
        <xs:enumeration value="FirstOccurance" />
    </xs:restriction>
</xs:simpleType>
<xs:simpleType name="MappedColumnDataTypes">
    <xs:restriction base="xs:string">
        <xs:enumeration value="NotSupported" />
        <xs:enumeration value="Number" />
        <xs:enumeration value="String" />
        <xs:enumeration value="DateTime" />
    </xs:restriction>

```



```

</xs:simpleType>
<xs:simpleType name="DateAggregationTypes">
  <xs:list>
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:enumeration value="None" />
        <xs:enumeration value="Second" />
        <xs:enumeration value="Minute" />
        <xs:enumeration value="Hour" />
        <xs:enumeration value="Day" />
        <xs:enumeration value="Week" />
        <xs:enumeration value="Month" />
        <xs:enumeration value="Quarter" />
        <xs:enumeration value="Year" />
        <xs:enumeration value="Semester" />
      </xs:restriction>
    </xs:simpleType>
  </xs:list>
</xs:simpleType>
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    <xs:enumeration value="ConnectAsSharedUser" />
  </xs:restriction>
</xs:simpleType>
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  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetTreeMembersDataTableResult"
type="tns:ArrayOfTvcNodeInfo" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:complexType name="ArrayOfTvcNodeInfo">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="TvcNodeInfo" nillable="true"
type="tns:TvcNodeInfo" />
  </xs:sequence>
</xs:complexType>
<xs:complexType name="TvcNodeInfo">
  <xs:attribute name="Key" type="xs:string" />
  <xs:attribute name="ParentKey" type="xs:string" />
  <xs:attribute name="DisplayValue" type="xs:string" />
  <xs:attribute name="MemberUniqueName" type="xs:string" />
  <xs:attribute name="IsDefault" type="xs:boolean" use="required" />
</xs:complexType>
<xs:element name="RenderTreeMemberSelector">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="tns:DataSource"
/>
      <xs:element minOccurs="0" maxOccurs="1" name="memberUniqueName" type="xs:string"
/>
      <xs:element minOccurs="0" maxOccurs="1" name="dimensionUniqueName"
type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="selectedMemberNamesStr"
type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="clientInstance" type="xs:string" />
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  </xs:complexType>
</xs:element>

```

```

        <xs:element minOccurs="0" maxOccurs="1" name="targetControlId" type="xs:string"
/>
        <xs:element minOccurs="1" maxOccurs="1" name="index" type="xs:int" />
        <xs:element minOccurs="1" maxOccurs="1" name="maxNumRecordsToRender"
type="xs:int" />
        <xs:element minOccurs="0" maxOccurs="1" name="resourcePath" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="displayTreeHeaderFlagStr"
type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="displayTreeFooterFlagStr"
type="xs:string" />
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<xs:element name="RenderTreeMemberSelectorResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="RenderTreeMemberSelectorResult"
type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetListItems">
    <xs:complexType>
        <xs:sequence>
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        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetListItemsResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetListItemsResult"
type="tns:ArrayOfFirstClassElement" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="QueryTimeIntelligence">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="dataSourceLocation"
type="tns:RepositoryLocation" />
            <xs:element minOccurs="1" maxOccurs="1" name="currentTime" type="xs:dateTime" />
            <xs:element minOccurs="0" maxOccurs="1" name="formula" type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="QueryTimeIntelligenceResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="QueryTimeIntelligenceResult"
type="tns:ArrayOfMember" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:complexType name="ArrayOfMember">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="Member" nillable="true"
type="tns:Member" />
    </xs:sequence>
</xs:complexType>

```

```

<xs:element name="QueryTimeIntelligenceDirect">
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    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="tns:DataSource"
/>
      <xs:element minOccurs="1" maxOccurs="1" name="currentTime" type="xs:dateTime" />
      <xs:element minOccurs="0" maxOccurs="1" name="formula" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="QueryTimeIntelligenceDirectResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="QueryTimeIntelligenceDirectResult"
type="tns:ArrayOfMember" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetRegisteredCustomFCOs">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="type" type="tns:CustomFCOType" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:simpleType name="CustomFCOType">
  <xs:list>
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:enumeration value="None" />
        <xs:enumeration value="DataSource" />
        <xs:enumeration value="Filter" />
        <xs:enumeration value="ReportView" />
        <xs:enumeration value="All" />
      </xs:restriction>
    </xs:simpleType>
  </xs:list>
</xs:simpleType>
<xs:element name="GetRegisteredCustomFCOsResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetRegisteredCustomFCOsResult"
type="tns:ArrayOfCustomFCODefinition" />
    </xs:sequence>
  </xs:complexType>
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<xs:complexType name="ArrayOfCustomFCODefinition">
  <xs:sequence>
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nillable="true" type="tns:CustomFCODefinition" />
  </xs:sequence>
</xs:complexType>
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  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="TemplateIconSerialized"
type="xs:string" />
  </xs:sequence>
  <xs:attribute name="Type" type="tns:CustomFCOType" use="required" />
  <xs:attribute name="SubType" type="xs:string" />

```

```

    <xs:attribute name="Name" type="xs:string" />
    <xs:attribute name="Description" type="xs:string" />
    <xs:attribute name="RendererClass" type="xs:string" />
    <xs:attribute name="EditorUri" type="xs:string" />
  </xs:complexType>
  <xs:element name="CreateReportHtml">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="1" maxOccurs="1" name="proxyCacheAttempt"
type="xs:boolean" />
        <xs:element minOccurs="0" maxOccurs="1" name="targetControlId" type="xs:string"
/>
        <xs:element minOccurs="0" maxOccurs="1" name="targetControlType" type="xs:string"
/>
        <xs:element minOccurs="0" maxOccurs="1" name="olapContextId" type="xs:string" />
        <xs:element minOccurs="1" maxOccurs="1" name="availableHeight" type="xs:int" />
        <xs:element minOccurs="1" maxOccurs="1" name="availableWidth" type="xs:int" />
        <xs:element minOccurs="0" maxOccurs="1" name="reportLocation"
type="tns:RepositoryLocation" />
        <xs:element minOccurs="0" maxOccurs="1" name="inboundParameters" type="xs:string"
/>
        <xs:element minOccurs="0" maxOccurs="1" name="navigationAction" type="xs:string"
/>
        <xs:element minOccurs="0" maxOccurs="1" name="viewProps" type="xs:string" />
        <xs:element minOccurs="1" maxOccurs="1" name="isAccessibilityMode"
type="xs:boolean" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="CreateReportHtmlResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="proxyCacheKey" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="proxyCacheSubs"
type="tns:ArrayOfSubstitutionPair" />
        <xs:element minOccurs="1" maxOccurs="1" name="proxyCacheExpiration"
type="xs:dateTime" />
        <xs:element minOccurs="0" maxOccurs="1" name="html" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="script" type="xs:string" />
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  </xs:element>
  <xs:complexType name="ArrayOfSubstitutionPair">
    <xs:sequence>
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nillable="true" type="tns:SubstitutionPair" />
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="SubstitutionPair">
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  </xs:complexType>
  <xs:element name="CreateNavigationMetadata">
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        <xs:element minOccurs="0" maxOccurs="1" name="targetControlId" type="xs:string"
/>
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    </xs:complexType>
  </xs:element>

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        <xs:element minOccurs="0" maxOccurs="1" name="targetControlType" type="xs:string"
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        <xs:element minOccurs="0" maxOccurs="1" name="metadataContextId" type="xs:string"
/>
        <xs:element minOccurs="0" maxOccurs="1" name="reportLocation"
type="tns:RepositoryLocation" />
        <xs:element minOccurs="0" maxOccurs="1" name="metadataAction" type="xs:string" />
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</xs:complexType>
</xs:element>
<xs:element name="CreateNavigationMetadataResponse">
    <xs:complexType>
        <xs:sequence>
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type="xs:string" />
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    </xs:complexType>
</xs:element>
<xs:element name="GetFilterDependencies">
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type="tns:RepositoryLocation" />
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</xs:element>
<xs:element name="GetFilterDependenciesResponse">
    <xs:complexType>
        <xs:sequence>
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type="tns:ResourceDependencies" />
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type="tns:ArrayOfString" />
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type="tns:ArrayOfScriptDependency" />
        <xs:element minOccurs="0" maxOccurs="1" name="CustomStartupScript" type="xs:string"
/>
    </xs:sequence>
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type="tns:ScriptDependency" />
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        <xs:element minOccurs="1" maxOccurs="1" name="ForceRelease" type="xs:boolean" />
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</xs:complexType>
<xs:element name="RenderFilter">
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        <xs:sequence>
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type="tns:RepositoryLocation" />
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/>
            <xs:element minOccurs="0" name="availableHeight" nillable="true" type="xs:string"
/>
            <xs:element minOccurs="0" name="availableWidth" nillable="true" type="xs:string"
/>
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minOccurs="0" name="webPartContext" nillable="true" type="q7:WebPartContext" />
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<xs:element name="RenderFilterResponse">
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        <xs:sequence>
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            <xs:element minOccurs="0" name="script" nillable="true" type="xs:string" />
            <xs:element
xmlns:q8="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContextUpdate" nillable="true" type="q8:WebPartContextUpdate" />
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</xs:element>
<xs:element name="GetReportDependencies">
    <xs:complexType>
        <xs:sequence>
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type="tns:RepositoryLocation" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetReportDependenciesResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetReportDependenciesResult"
type="tns:ResourceDependencies" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
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            <xs:element minOccurs="1" maxOccurs="1" name="itemFormat" type="tns:ExportFormat"
/>
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type="tns:RepositoryLocation" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:simpleType name="ExportFormat">
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        <xs:enumeration value="Excel" />
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    </xs:restriction>
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type="xs:boolean" />
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    </xs:element>
    <xs:element name="ExportReport">
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/>
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type="tns:RepositoryLocation" />
          <xs:element
xmlns:q9="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContext" nillable="true" type="q9:WebPartContext" />
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    </xs:element>
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        <xs:sequence>
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xmlns:q10="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon.Export" minOccurs="0" name="ExportReportResult" nillable="true"
type="q10:OfficeExportInfo" />
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      </xs:complexType>
    </xs:element>
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        <xs:sequence>
          <xs:element minOccurs="1" maxOccurs="1" name="itemFormat" type="tns:ExportFormat"
/>
          <xs:element minOccurs="0" maxOccurs="1" name="scorecardLocation"
type="tns:RepositoryLocation" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="ScorecardSupportsExportFormatResponse">
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        <xs:sequence>
          <xs:element minOccurs="1" maxOccurs="1"
name="ScorecardSupportsExportFormatResult" type="xs:boolean" />
        </xs:sequence>
      </xs:complexType>
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    <xs:element name="ExportScorecard">
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/>
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type="tns:RepositoryLocation" />
          <xs:element
xmlns:q11="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContext" nillable="true" type="q11:WebPartContext" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>

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      <xs:element
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erCommon.Export" minOccurs="0" name="ExportScorecardResult" nillable="true"
type="q12:OfficeExportInfo" />
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  </xs:complexType>
</xs:element>
<xs:element name="RenderReport">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="proxyCacheAttempt" type="xs:boolean" />
      <xs:element minOccurs="0" name="reportLocation" nillable="true"
type="tns:RepositoryLocation" />
      <xs:element minOccurs="0" name="renderTargetId" nillable="true" type="xs:string"
/>
      <xs:element minOccurs="0" name="availableHeight" nillable="true" type="xs:string"
/>
      <xs:element minOccurs="0" name="availableWidth" nillable="true" type="xs:string"
/>
      <xs:element
xmlns:q13="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContext" nillable="true" type="q13:WebPartContext" />
      <xs:element minOccurs="0" name="isAccessibilityMode" type="xs:boolean" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="RenderReportResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="proxyCacheKey" nillable="true" type="xs:string"
/>
      <xs:element
xmlns:q14="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon" minOccurs="0" name="proxyCacheSubs" nillable="true"
type="q14:ArrayOfSubstitutionPair" />
      <xs:element minOccurs="0" name="proxyCacheExpiration" type="xs:dateTime" />
      <xs:element minOccurs="0" name="html" nillable="true" type="xs:string" />
      <xs:element minOccurs="0" name="script" nillable="true" type="xs:string" />
      <xs:element
xmlns:q15="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContextUpdate" nillable="true" type="q15:WebPartContextUpdate" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetScorecardDependencies">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="scorecardLocation"
type="tns:RepositoryLocation" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetScorecardDependenciesResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetScorecardDependenciesResult"
type="tns:ResourceDependencies" />
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  </xs:complexType>
</xs:element>

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        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="RenderScorecard">
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type="tns:RepositoryLocation" />
            <xs:element minOccurs="0" name="renderTargetId" nillable="true" type="xs:string"
/>
            <xs:element minOccurs="0" name="availableHeight" nillable="true" type="xs:string"
/>
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/>
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minOccurs="0" name="webPartContext" nillable="true" type="q16:WebPartContext" />
            <xs:element minOccurs="0" name="isAccessibilityMode" type="xs:boolean" />
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:element name="RenderScorecardResponse">
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xmlns:q17="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.ServerCommon"
minOccurs="0" name="proxyCacheSubs" nillable="true"
type="q17:ArrayOfSubstitutionPair" />
                <xs:element minOccurs="0" name="proxyCacheExpiration" type="xs:dateTime" />
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                <xs:element minOccurs="0" name="script" nillable="true" type="xs:string" />
                <xs:element
xmlns:q18="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContextUpdate" nillable="true" type="q18:WebPartContextUpdate" />
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    <xs:element name="RenderScorecardAjaxControl">
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type="tns:RepositoryLocation" />
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/>
                <xs:element minOccurs="0" name="scorecardControlId" nillable="true"
type="xs:string" />
                <xs:element minOccurs="0" name="scorecardControlType" nillable="true"
type="xs:string" />
                <xs:element
xmlns:q19="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContext" nillable="true" type="q19:WebPartContext" />
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    <xs:element name="RenderScorecardAjaxControlResponse">
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minOccurs="0" name="webPartContextUpdate" nillable="true" type="q20:WebPartContextUpdate" />
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type="tns:RepositoryLocation" />
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            <xs:element minOccurs="0" maxOccurs="1" name="height" type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="nav" type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="isDesigner" type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="pageQuery" type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetRenderControlPreviewResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetRenderControlPreviewResult"
type="xs:string" />
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    </xs:complexType>
</xs:element>
<xs:element name="GetDrillThroughPreview">
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type="tns:RepositoryLocation" />
            <xs:element minOccurs="0" maxOccurs="1" name="isScorecard" type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="page" type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="tupleXml" type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="resultTableIndex" type="xs:string"
/>
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/>
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type="xs:string" />
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type="xs:base64Binary" />
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/>
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        <xs:element minOccurs="0" maxOccurs="1" name="location" type="xs:string" />
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type="tns:DecompTupleRecord" />
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type="tns:DecompQueryParameters" />
        <xs:element minOccurs="0" maxOccurs="1" name="viewState" type="xs:string" />
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type="tns:ArrayOfString" />
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type="tns:ArrayOfString" />
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type="xs:string" />
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type="tns:DecompRenderResultRecord" />
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type="tns:ArrayOfDecompRenderResultLevel" />
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        <xs:element minOccurs="0" maxOccurs="1" name="MeasureUniqueName" type="xs:string"
/>
        <xs:element minOccurs="1" maxOccurs="1" name="MeasureIsAdditive" type="xs:boolean"
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        <xs:element minOccurs="0" maxOccurs="1" name="NavigationContext" type="xs:string"
/>
        <xs:element minOccurs="0" maxOccurs="1" name="ErrorMsg" type="xs:string" />
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        <xs:element minOccurs="0" maxOccurs="1" name="HierarchyName" type="xs:string" />
        <xs:element minOccurs="1" maxOccurs="1" name="TotalNodeCount" type="xs:int" />
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</xs:complexType>

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        <xs:element minOccurs="0" maxOccurs="1" name="Caption" type="xs:string" />
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type="tns:ArrayOfDecompRenderResultNode" />
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        <xs:element minOccurs="1" maxOccurs="1" name="HasChildren" type="xs:boolean" />
        <xs:element minOccurs="0" maxOccurs="1" name="UniqueName" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="Caption" type="xs:string" />
        <xs:element minOccurs="1" maxOccurs="1" name="BottomSumValue" type="xs:double" />
        <xs:element minOccurs="0" maxOccurs="1" name="BottomSumFormattedValue"
type="xs:string" />
        <xs:element minOccurs="1" maxOccurs="1" name="TopSumValue" type="xs:double" />
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type="xs:string" />
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/>
            <xs:element minOccurs="0" maxOccurs="1" name="queryParameters"
type="tns:DecompQueryParameters" />
            <xs:element minOccurs="0" maxOccurs="1" name="levelUniqueName" type="xs:string"
/>
            <xs:element minOccurs="0" maxOccurs="1" name="itemUniqueName" type="xs:string" />
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<xs:element name="DecompAutoExpandResponse">
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type="tns:DecompRenderResultRecord" />
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/>
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/>
            <xs:element minOccurs="0" maxOccurs="1" name="itemUniqueName" type="xs:string" />
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    <xs:complexType>

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type="tns:DecompNavigationList" />
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type="tns:ArrayOfDecompNavigationGroup" />
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        <xs:element minOccurs="0" maxOccurs="1" name="Name" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="Caption" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="Actions"
type="tns:ArrayOfDecompNavigationAction" />
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        <xs:element minOccurs="0" maxOccurs="1" name="Caption" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="ParentCaption" type="xs:string" />
        <xs:element minOccurs="1" maxOccurs="1" name="Enabled" type="xs:boolean" />
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</xs:complexType>
<xs:element name="DecompGetMemberProperties">
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        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="navigationContext" type="xs:string"
/>
            <xs:element minOccurs="0" maxOccurs="1" name="itemUniqueName" type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="DecompGetMemberPropertiesResponse">
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        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="DecompGetMemberPropertiesResult"
type="tns:DecompMemberProperties" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:complexType name="DecompMemberProperties">
    <xs:sequence>

```

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        <xs:element minOccurs="0" maxOccurs="1" name="MemberName" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="Properties"
type="tns:ArrayOfDecompMemberProperty" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfDecompMemberProperty">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="DecompMemberProperty"
nillable="true" type="tns:DecompMemberProperty" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="DecompMemberProperty">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Name" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="Caption" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="Value" type="xs:string" />
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</xs:complexType>
<xs:element name="DecompExpand">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="navigationContext" type="xs:string"
/>
            <xs:element minOccurs="0" maxOccurs="1" name="queryParameters"
type="tns:DecompQueryParameters" />
            <xs:element minOccurs="0" maxOccurs="1" name="levelUniqueName" type="xs:string"
/>
            <xs:element minOccurs="0" maxOccurs="1" name="itemUniqueName" type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="navigationItemUniqueName"
type="xs:string" />
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    </xs:complexType>
</xs:element>
<xs:element name="DecompExpandResponse">
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        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="DecompExpandResult"
type="tns:DecompRenderResultRecord" />
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    </xs:complexType>
</xs:element>
<xs:element name="GetReportViewImageData">
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            <xs:element minOccurs="1" maxOccurs="1" name="proxyCacheAttempt"
type="xs:boolean" />
            <xs:element minOccurs="0" maxOccurs="1" name="externalkey" type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="tempFcoLocation"
type="tns:RepositoryLocation" />
            <xs:element minOccurs="1" maxOccurs="1" name="height" type="xs:int" />
            <xs:element minOccurs="1" maxOccurs="1" name="width" type="xs:int" />
            <xs:element minOccurs="1" maxOccurs="1" name="colStart" type="xs:int" />
            <xs:element minOccurs="1" maxOccurs="1" name="colCount" type="xs:int" />
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    </xs:complexType>
</xs:element>
<xs:element name="GetReportViewImageDataResponse">
    <xs:complexType>
        <xs:sequence>

```

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        <xs:element minOccurs="1" maxOccurs="1" name="GetReportViewImageDataResult"
type="xs:boolean" />
        <xs:element minOccurs="0" maxOccurs="1" name="key" type="xs:string" />
        <xs:element minOccurs="1" maxOccurs="1" name="proxyCacheExpiration"
type="xs:dateTime" />
        <xs:element minOccurs="0" maxOccurs="1" name="mimeType" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="viewHtml" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="bytesImageData"
type="xs:base64Binary" />
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</xs:element>
<xs:element name="GetAnnotation">
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type="tns:RepositoryLocation" />
            <xs:element minOccurs="0" maxOccurs="1" name="tupleCollection"
type="tns:ArrayOfTuple" />
            <xs:element minOccurs="0" maxOccurs="1" name="cellPath" type="xs:string" />
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type="tns:Tuple" />
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    <xs:sequence>
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type="tns:ArrayOfMember" />
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</xs:complexType>
<xs:element name="GetAnnotationResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetAnnotationResult"
type="tns:Annotation" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:complexType name="Annotation">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Comments"
type="tns:ArrayOfAnnotationComment" />
        <xs:element minOccurs="0" maxOccurs="1" name="Properties"
type="tns:ArrayOfBpmProperty" />
        <xs:element minOccurs="0" maxOccurs="1" name="Owner" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="LastUpdatedBy" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="Slice" type="xs:string" />
        <xs:element minOccurs="1" maxOccurs="1" name="CreatedOn" type="xs:dateTime" />
        <xs:element minOccurs="1" maxOccurs="1" name="LastUpdatedOn" type="xs:dateTime" />
        <xs:element minOccurs="0" maxOccurs="1" name="ScorecardLocation"
type="tns:RepositoryLocation" />
        <xs:element xmlns:q21="http://microsoft.com/wsd/types/" minOccurs="1"
maxOccurs="1" name="ConfiguredViewID" type="q21:guid" />
        <xs:element xmlns:q22="http://microsoft.com/wsd/types/" minOccurs="1"
maxOccurs="1" name="Guid" type="q22:guid" />
    </xs:sequence>
</xs:complexType>

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        <xs:element minOccurs="0" maxOccurs="1" name="CellpathCoordinates" type="xs:string"
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    <xs:element minOccurs="1" maxOccurs="1" name="Version"
type="tns:AnnotationVersions" />
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nillable="true" type="tns:AnnotationComment" />
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</xs:complexType>
<xs:complexType name="AnnotationComment">
    <xs:complexContent mixed="false">
        <xs:extension base="tns:Comment">
            <xs:attribute name="Title" type="xs:string" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:simpleType name="AnnotationVersions">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Office14Beta2" />
        <xs:enumeration value="Office14Beta1" />
        <xs:enumeration value="Pps2007" />
    </xs:restriction>
</xs:simpleType>
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        <xs:sequence>
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maxOccurs="1" name="annotationID" type="q23:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAnnotationByIDResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetAnnotationByIDResult"
type="tns:Annotation" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAllAnnotationsByScorecardLocation">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="scorecardLocation"
type="tns:RepositoryLocation" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAllAnnotationsByScorecardLocationResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1"
name="GetAllAnnotationsByScorecardLocationResult" type="tns:ArrayOfAnnotation" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:complexType name="ArrayOfAnnotation">

```



```

        <xs:sequence>
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    </xs:complexType>
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        <xs:complexType>
            <xs:sequence>
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/>
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        </xs:complexType>
    </xs:element>
    <xs:element name="CreateAnnotationResponse">
        <xs:complexType>
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="1" name="CreateAnnotationResult"
type="tns:Annotation" />
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:element name="UpdateAnnotation">
        <xs:complexType>
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="1" name="annotation" type="tns:Annotation"
/>
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:element name="UpdateAnnotationResponse">
        <xs:complexType>
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="1" name="UpdateAnnotationResult"
type="tns:Annotation" />
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:element name="DeleteAnnotation">
        <xs:complexType>
            <xs:sequence>
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maxOccurs="1" name="annotationID" type="q24:guid" />
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:element name="DeleteAnnotationResponse">
        <xs:complexType />
    </xs:element>
    <xs:element name="TrimAnnotationByScorecardLocation">
        <xs:complexType>
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="1" name="scorecardLocation"
type="tns:RepositoryLocation" />
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:element name="TrimAnnotationByScorecardLocationResponse">
        <xs:complexType />
    </xs:element>

```

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<xs:element name="TrimAnnotationByOwner">
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      <xs:element minOccurs="0" maxOccurs="1" name="owner" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="TrimAnnotationByOwnerResponse">
  <xs:complexType />
</xs:element>
<xs:element name="TrimAnnotationUntouchedSince">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="untouchedSince" type="xs:dateTime"
/>
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    </xs:complexType>
  </xs:element>
<xs:element name="TrimAnnotationUntouchedSinceResponse">
  <xs:complexType />
</xs:element>
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    <xs:sequence>
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      <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="tns:DataSource"
/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
<xs:element name="CreateDataSourceResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="CreateDataSourceResult"
type="tns:DataSource" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
<xs:element name="UpdateDataSource">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="tns:DataSource"
/>
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    </xs:complexType>
  </xs:element>
<xs:element name="UpdateDataSourceResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="UpdateDataSourceResult"
type="tns:DataSource" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
<xs:element name="GetDataSource">
  <xs:complexType>
    <xs:sequence>
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type="tns:RepositoryLocation" />

```

```

        </xs:sequence>
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</xs:element>
<xs:element name="GetDataSourceResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetDataSourceResult"
type="tns:DataSource" />
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    </xs:complexType>
</xs:element>
<xs:element name="GetMdx">
    <xs:complexType>
        <xs:sequence>
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type="tns:RepositoryLocation" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetMdxResponse">
    <xs:complexType>
        <xs:sequence>
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        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="SaveTemporaryAnalyticReport">
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        <xs:sequence>
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/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="SaveTemporaryAnalyticReportResponse">
    <xs:complexType>
        <xs:sequence>
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maxOccurs="1" name="SaveTemporaryAnalyticReportResult" type="q25:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="SaveTemporaryStrategyMapReport">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="reportView" type="tns:ReportView"
/>
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    </xs:complexType>
</xs:element>
<xs:element name="SaveTemporaryStrategyMapReportResponse">
    <xs:complexType>
        <xs:sequence>
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maxOccurs="1" name="SaveTemporaryStrategyMapReportResult" type="q26:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetQueryResultMembers">

```

```

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type="tns:RepositoryLocation" />
            <xs:element minOccurs="0" maxOccurs="1" name="formattingDimensionName"
type="xs:string" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetQueryResultMembersResponse">
        <xs:complexType>
          <xs:sequence>
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type="tns:ArrayOfMember" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetDatabaseNamesFromDataSource">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="tns:DataSource"
/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetDatabaseNamesFromDataSourceResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1"
name="GetDatabaseNamesFromDataSourceResult" type="tns:ArrayOfString" />
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        </xs:complexType>
      </xs:element>
      <xs:element name="GetPreviewDataSet">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="maxrecords" type="xs:int" />
            <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="tns:DataSource"
/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetPreviewDataSetResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetPreviewDataSetResult">
              <xs:complexType>
                <xs:sequence>
                  <xs:element ref="xs:schema" />
                  <xs:any />
                </xs:sequence>
              </xs:complexType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetCubeNameInfos">
        <xs:complexType>
          <xs:sequence>

```

```

        <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="tns:DataSource"
/>
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="GetCubeNameInfosResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetCubeNameInfosResult"
type="tns:ArrayOfNameInfo" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:complexType name="ArrayOfNameInfo">
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type="tns:NameInfo" />
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</xs:complexType>
<xs:element name="GetCubeMetaData">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="dataSourceLocation"
type="tns:RepositoryLocation" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetCubeMetaDataResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetCubeMetaDataResult"
type="tns:Cube" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:complexType name="Cube">
    <xs:complexContent mixed="false">
        <xs:extension base="tns:NameInfo">
            <xs:sequence>
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type="tns:ArrayOfDimension" />
                <xs:element minOccurs="0" maxOccurs="1" name="MeasureGroups"
type="tns:ArrayOfNameInfo" />
                <xs:element minOccurs="0" maxOccurs="1" name="Measures"
type="tns:ArrayOfMeasure" />
                <xs:element minOccurs="0" maxOccurs="1" name="NamedSets"
type="tns:ArrayOfNamedSet" />
            </xs:sequence>
            <xs:attribute name="Version" type="xs:int" use="required" />
        </xs:extension>
    </xs:complexContent>
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<xs:complexType name="ArrayOfDimension">
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type="tns:Dimension" />
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</xs:complexType>
<xs:complexType name="ArrayOfMeasure">
    <xs:sequence>

```

```

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type="tns:Measure" />
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</xs:complexType>
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    <xs:complexContent mixed="false">
        <xs:extension base="tns:NameInfo">
            <xs:attribute name="AggregatorValue" type="xs:int" use="required" />
            <xs:attribute name="MeasureGroup" type="xs:string" />
            <xs:attribute name="DisplayFolder" type="xs:string" />
            <xs:attribute name="HierarchyName" type="xs:string" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="ArrayOfNamedSet">
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type="tns:NamedSet" />
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</xs:complexType>
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    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Dimensions" type="tns:ArrayOfString"
/>
    </xs:sequence>
    <xs:attribute name="Name" type="xs:string" />
    <xs:attribute name="Expression" type="xs:string" />
    <xs:attribute name="DisplayFolder" type="xs:string" />
</xs:complexType>
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        <xs:sequence>
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/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetCubeMetaDataForDataSourceResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetCubeMetaDataForDataSourceResult"
type="tns:Cube" />
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    </xs:complexType>
</xs:element>
<xs:element name="TestConnection">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="tns:DataSource"
/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="TestConnectionResponse">
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type="xs:boolean" />
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</xs:element>

```

```

        </xs:complexType>
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    <xs:element name="GetDimensions">
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type="tns:RepositoryLocation" />
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        </xs:complexType>
    </xs:element>
    <xs:element name="GetDimensionsResponse">
        <xs:complexType>
            <xs:sequence>
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type="tns:ArrayOfDimension" />
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        </xs:complexType>
    </xs:element>
    <xs:element name="GetDimensionsFromDataSource">
        <xs:complexType>
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="tns:DataSource"
/>
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:element name="GetDimensionsFromDataSourceResponse">
        <xs:complexType>
            <xs:sequence>
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type="tns:ArrayOfDimension" />
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    </xs:element>
    <xs:element name="GetCube">
        <xs:complexType>
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="1" name="dataSourceLocation"
type="tns:RepositoryLocation" />
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        </xs:complexType>
    </xs:element>
    <xs:element name="GetCubeResponse">
        <xs:complexType>
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="1" name="GetCubeResult" type="tns:Cube" />
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        </xs:complexType>
    </xs:element>
    <xs:element name="GetCubeFromDataSource">
        <xs:complexType>
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="tns:DataSource"
/>
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        </xs:complexType>
    </xs:element>
    <xs:element name="GetCubeFromDataSourceResponse">
        <xs:complexType>

```

```

        <xs:sequence>
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type="tns:Cube" />
        </xs:sequence>
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type="tns:ArrayOfMember" />
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name="QueryDimensionRootMembersFromDataSourceResult" type="tns:ArrayOfMember" />
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type="tns:RepositoryLocation" />
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type="tns:ArrayOfMember" />
          <xs:element minOccurs="1" maxOccurs="1" name="transformType"
type="tns:QueryTransformMembersType" />
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        <xs:enumeration value="Hierarchize" />
        <xs:enumeration value="Parents" />
        <xs:enumeration value="Ancestors" />
      </xs:restriction>
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```



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/>
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type="tns:ArrayOfMember" />
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/>
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/>
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name="QueryChildMembersFromDataSourceResult" type="tns:ArrayOfMember" />
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      <xs:element name="QueryChildMembersByRangeFromDataSource">
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            <xs:element minOccurs="1" maxOccurs="1" name="start" type="xs:long" />
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name="QueryChildMembersByRangeFromDataSourceResult" type="tns:ArrayOfMember" />
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/>
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type="tns:MemberRelationship" />
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            <xs:enumeration value="FirstSibling" />
            <xs:enumeration value="PrevMember" />
            <xs:enumeration value="NextMember" />
            <xs:enumeration value="LastSibling" />
            <xs:enumeration value="FirstChild" />
            <xs:enumeration value="LastChild" />
            <xs:enumeration value="CurrentMember" />
            <xs:enumeration value="Children" />
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type="tns:Member" />
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    </xs:element>
    <xs:element name="QueryRelatedMemberFromDataSource">
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/>
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/>
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type="tns:MemberRelationship" />
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type="tns:RepositoryLocation" />
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type="tns:RepositoryLocation" />
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</xs:element>
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type="tns:URLValidationResult" />
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    <xs:enumeration value="Site" />
    <xs:enumeration value="List" />
    <xs:enumeration value="DocumentLibrary" />
    <xs:enumeration value="InvalidURL" />
    <xs:enumeration value="AlreadyExists" />
    <xs:enumeration value="NonexistentSiteCollection" />
    <xs:enumeration value="NonexistentSite" />
    <xs:enumeration value="PPSNotActivatedOnSiteCollection" />
    <xs:enumeration value="URLZoneNotAllowed" />
  </xs:restriction>
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  <xs:complexType />
</xs:element>
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    <xs:sequence>
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type="tns:RepositoryLocation" />
      <xs:element minOccurs="0" maxOccurs="1" name="pageFilterOverrides"
type="tns:ArrayOfMember" />
      <xs:element minOccurs="0" maxOccurs="1" name="propertyBags"
type="tns:DictionaryWrapperOfStringPropertyBag" />
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</xs:element>
<xs:complexType name="DictionaryWrapperOfStringPropertyBag">
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/>
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```

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type="tns:ArrayOfMember" />
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nillable="true" type="tns:ArrayOfMemberTransform" />
        <xs:element minOccurs="1" maxOccurs="1" name="dateTime" type="xs:dateTime" />
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type="tns:ArrayOfString" />
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type="xs:string" />
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maxOccurs="1" name="guid" type="q27:guid" />
        <xs:element xmlns:q28="http://microsoft.com/wsdl/types/" minOccurs="1"
maxOccurs="1" name="char" type="q28:char" />
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        <xs:element minOccurs="1" maxOccurs="1" name="Type" type="tns:MemberTransformType"
/>
        <xs:element minOccurs="1" maxOccurs="1" name="Operation"
type="tns:MemberTransformOperation" />
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</xs:simpleType>
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        <xs:enumeration value="DrillUp" />
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        <xs:enumeration value="Expand" />
    </xs:restriction>
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<xs:element name="GenerateViewResponse">
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type="tns:GridViewData" />

```

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type="tns:GridFormatInfo" />
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type="tns:GridFormatInfo" />
        <xs:element minOccurs="0" maxOccurs="1" name="DefaultColumnHeaderFormatInfo"
type="tns:GridFormatInfo" />
        <xs:element minOccurs="0" maxOccurs="1" name="Cells" type="tns:GridCellSet" />
        <xs:element minOccurs="0" maxOccurs="1" name="RootRowHeader"
type="tns:GridHeaderItem" />
        <xs:element minOccurs="0" maxOccurs="1" name="RootColumnHeader"
type="tns:GridHeaderItem" />
        <xs:element minOccurs="0" maxOccurs="1" name="ScorecardLocation"
type="tns:RepositoryLocation" />
        <xs:element minOccurs="0" maxOccurs="1" name="DefaultRollupIndicatorLocation"
type="tns:RepositoryLocation" />
        <xs:element minOccurs="0" maxOccurs="1" name="PreQueryTransforms"
type="tns:ArrayOfGridViewTransformReference" />
        <xs:element minOccurs="0" maxOccurs="1" name="PostQueryTransforms"
type="tns:ArrayOfGridViewTransformReference" />
        <xs:element minOccurs="0" maxOccurs="1" name="PreRenderTransforms"
type="tns:ArrayOfGridViewTransformReference" />
        <xs:element minOccurs="0" maxOccurs="1" name="PerUserTransforms"
type="tns:ArrayOfGridViewTransformReference" />
        <xs:element minOccurs="0" maxOccurs="1" name="PageFilters" type="tns:ArrayOfMember"
/>
    </xs:sequence>
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type="q29:guid" use="required" />
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    <xs:attribute name="CacheExpiration" type="xs:dateTime" use="required" />
    <xs:attribute xmlns:q30="http://microsoft.com/wsdl/types/"
name="DefaultRollupIndicatorId" type="q30:guid" use="required" />
    <xs:attribute name="EmptyCell" type="xs:string" />
    <xs:attribute name="InvalidCell" type="xs:string" />
    <xs:attribute name="TIFormula" type="xs:string" />
    <xs:attribute name="TICurrentDateTime" type="xs:string" />
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    <xs:sequence>
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        <xs:element minOccurs="0" maxOccurs="1" name="ForeColor" type="tns:GridColor" />
        <xs:element minOccurs="0" maxOccurs="1" name="BackColor" type="tns:GridColor" />
    </xs:sequence>
    <xs:attribute name="TextWrap" type="tns:Trinary" use="required" />
    <xs:attribute name="VerticalAlignment" type="tns:VerticalAlignments" use="required"
/>
    <xs:attribute name="HorizontalAlignment" type="tns:HorizontalAlignments"
use="required" />
</xs:complexType>
<xs:complexType name="GridFontInfo">
    <xs:attribute name="FamilyName" type="xs:string" />
    <xs:attribute name="SizeInPoints" type="xs:float" use="required" />
    <xs:attribute name="Bold" type="tns:Trinary" use="required" />
    <xs:attribute name="Italic" type="tns:Trinary" use="required" />
    <xs:attribute name="Underline" type="tns:Trinary" use="required" />

```

```

    <xs:attribute name="Strikeout" type="tns:Trinary" use="required" />
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      <xs:enumeration value="True" />
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    <xs:attribute name="R" type="xs:unsignedByte" use="required" />
    <xs:attribute name="G" type="xs:unsignedByte" use="required" />
    <xs:attribute name="B" type="xs:unsignedByte" use="required" />
  </xs:complexType>
  <xs:simpleType name="VerticalAlignments">
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      <xs:enumeration value="Middle" />
      <xs:enumeration value="Bottom" />
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="HorizontalAlignments">
    <xs:restriction base="xs:string">
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      <xs:enumeration value="Center" />
      <xs:enumeration value="Right" />
    </xs:restriction>
  </xs:simpleType>
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type="tns:DictionaryWrapperOfStringGridCell" />
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  </xs:complexType>
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    <xs:sequence>
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type="tns:GridCell" />
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  </xs:complexType>
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/>
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      <xs:element minOccurs="0" maxOccurs="1" name="DisplayElements"
type="tns:ArrayOfGridDisplayElement" />
      <xs:element minOccurs="0" maxOccurs="1" name="IndicatorLocation"
type="tns:RepositoryLocation" />
      <xs:element minOccurs="1" maxOccurs="1" name="InBand" type="xs:int" />
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```

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<xs:attribute name="Score" type="xs:decimal" use="required" />
<xs:attribute name="Weight" type="xs:decimal" use="required" />
<xs:attribute name="BestChildScore" type="xs:decimal" use="required" />
<xs:attribute name="WorstChildScore" type="xs:decimal" use="required" />
<xs:attribute name="IsValueInError" type="xs:boolean" use="required" />
<xs:attribute name="HasAnnotation" type="xs:boolean" use="required" />
<xs:attribute name="IsRollupScore" type="xs:boolean" use="required" />
<xs:attribute name="ValueSource" type="tns:ValueSources" use="required" />
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  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Text" type="xs:string" />
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    <xs:enumeration value="0" />
    <xs:enumeration value="1" />
    <xs:enumeration value="2" />
  </xs:restriction>
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    <xs:extension base="tns:GridDisplayElement">
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    </xs:extension>
  </xs:complexContent>
</xs:complexType>
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  <xs:complexContent mixed="false">
    <xs:extension base="tns:GridDisplayElement">
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      <xs:attribute name="OverrideValue" type="xs:decimal" use="required" />
    </xs:extension>
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  </xs:complexContent>
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type="tns:RepositoryLocation" />
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  </xs:complexContent>
</xs:complexType>
<xs:complexType name="GridDisplayElementIndicatorText">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:GridDisplayElementText">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="IndicatorLocation"
type="tns:RepositoryLocation" />
      </xs:sequence>
      <xs:attribute name="IndicatorBand" type="xs:int" use="required" />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="GridHeaderItem">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="HeaderFormatInfo"
type="tns:GridFormatInfo" />
    <xs:element minOccurs="0" maxOccurs="1" name="CellFormatInfo"
type="tns:GridFormatInfo" />
    <xs:element minOccurs="0" maxOccurs="1" name="Children"
type="tns:ArrayOfGridHeaderItem" />
    <xs:element minOccurs="0" maxOccurs="1" name="SerializeTag" />
    <xs:element minOccurs="0" maxOccurs="1" name="DimensionMember" type="tns:Member" />
    <xs:element minOccurs="0" maxOccurs="1" name="OverrideIndicatorLocation"
type="tns:RepositoryLocation" />
    <xs:element minOccurs="0" maxOccurs="1" name="Banding" type="tns:Banding" />
    <xs:element minOccurs="0" maxOccurs="1" name="LinkedKpiLocation"
type="tns:RepositoryLocation" />
    <xs:element minOccurs="0" maxOccurs="1" name="BpmProperties"
type="tns:ArrayOfBpmProperty" />
  </xs:sequence>
</xs:complexType>

```

```

        <xs:element minOccurs="0" maxOccurs="1" name="TargetSettings"
type="tns:GridTargetSettings" />
        <xs:element minOccurs="0" maxOccurs="1" name="TrendIndicatorLocation"
type="tns:RepositoryLocation" />
    </xs:sequence>
    <xs:attribute name="Id" type="xs:int" use="required" />
    <xs:attribute xmlns:q31="http://microsoft.com/wsd/types/" name="Guid"
type="q31:guid" use="required" />
    <xs:attribute xmlns:q32="http://microsoft.com/wsd/types/" name="DefinitionGuid"
type="q32:guid" use="required" />
    <xs:attribute name="DisplayText" type="xs:string" />
    <xs:attribute name="DimensionName" type="xs:string" />
    <xs:attribute name="DimensionValue" type="xs:string" />
    <xs:attribute name="HeaderType" type="tns:ScorecardNodeTypes" use="required" />
    <xs:attribute name="GroupId" type="xs:int" use="required" />
    <xs:attribute name="Depth" type="xs:int" use="required" />
    <xs:attribute name="DescendantSpan" type="xs:int" use="required" />
    <xs:attribute name="LeafSpan" type="xs:int" use="required" />
    <xs:attribute name="IsCollapsed" type="xs:boolean" use="required" />
    <xs:attribute name="IsDynamicCellExpansionEnabled" type="xs:boolean" use="required"
/>
    <xs:attribute name="IsDrillEnabled" type="xs:boolean" use="required" />
    <xs:attribute name="IsDrillDownDisabled" type="xs:boolean" use="required" />
    <xs:attribute name="IsDrillUpDisabled" type="xs:boolean" use="required" />
    <xs:attribute name="IsDynamicallyExpandedHeader" type="xs:boolean" use="required" />
    <xs:attribute name="IsCellHidden" type="xs:boolean" use="required" />
    <xs:attribute name="IsPathHidden" type="xs:boolean" use="required" />
    <xs:attribute name="IsHiddenBasedOnFilterStatus" type="xs:boolean" use="required" />
    <xs:attribute name="NamedSetExpression" type="xs:string" />
    <xs:attribute name="CustomSetFormula" type="xs:string" />
    <xs:attribute name="IsNamedSetInError" type="xs:boolean" use="required" />
    <xs:attribute name="IsNamedSetEmpty" type="xs:boolean" use="required" />
    <xs:attribute name="NamedSetType" type="tns:ScorecardNamedSetType" use="required" />
    <xs:attribute name="UseLinkedElementDisplayText" type="xs:boolean" use="required" />
    <xs:attribute name="Hyperlink" type="xs:string" />
    <xs:attribute name="ShowHyperlinkInNewWindow" type="xs:boolean" use="required" />
    <xs:attribute name="IsHierarchyHeader" type="xs:boolean" use="required" />
    <xs:attribute name="IsColumnHeader" type="xs:boolean" use="required" />
    <xs:attribute name="AppendFilterInfoToHyperlink" type="xs:boolean" use="required" />
    <xs:attribute name="Weight" type="xs:decimal" use="required" />
    <xs:attribute name="KpiTargetName" type="xs:string" />
    <xs:attribute name="AggregationType" type="tns:HeaderAggregationTypes" use="required"
/>
</xs:complexType>
<xs:complexType name="ArrayOfGridHeaderItem">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="GridHeaderItem"
nillable="true" type="tns:GridHeaderItem" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="GridTargetSettings">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="VarianceSettings"
type="tns:GridVarianceSettings" />
        <xs:element minOccurs="1" maxOccurs="1" name="FilterEmptyRows" type="xs:boolean" />
        <xs:element minOccurs="1" maxOccurs="1" name="Position"
type="tns:DataValuePosition" />
        <xs:element minOccurs="1" maxOccurs="1" name="PositionActual"
type="tns:DataValuePosition" />
    </xs:sequence>
</xs:complexType>

```

```

        <xs:element minOccurs="0" maxOccurs="1" name="ScoreSettings"
type="tns:GridScoreSettings" />
        <xs:element minOccurs="0" maxOccurs="1" name="IndicatorSettings"
type="tns:GridIndicatorSettings" />
    </xs:sequence>
    <xs:attribute name="ShowValue" type="xs:boolean" use="required" />
    <xs:attribute name="ShowActualAsTarget" type="xs:boolean" use="required" />
    <xs:attribute name="IgnoreScoreFilter" type="xs:boolean" use="required" />
</xs:complexType>
<xs:complexType name="GridVarianceSettings">
    <xs:attribute name="NumDecimalPlaces" type="xs:int" use="required" />
    <xs:attribute name="VarianceType" type="tns:VarianceType" use="required" />
    <xs:attribute name="DisplayType" type="tns:VarianceDisplayType" use="required" />
    <xs:attribute name="ShowValue" type="xs:boolean" use="required" />
    <xs:attribute name="Position" type="tns:DataValuePosition" use="required" />
</xs:complexType>
<xs:simpleType name="VarianceType">
    <xs:restriction base="xs:string">
        <xs:enumeration value="VarianceToTarget" />
        <xs:enumeration value="VarianceToBestTarget" />
    </xs:restriction>
</xs:simpleType>
<xs:simpleType name="VarianceDisplayType">
    <xs:restriction base="xs:string">
        <xs:enumeration value="ShowPercent" />
        <xs:enumeration value="ShowValue" />
        <xs:enumeration value="ShowInvertedPercent" />
    </xs:restriction>
</xs:simpleType>
<xs:simpleType name="DataValuePosition">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Left" />
        <xs:enumeration value="Right" />
        <xs:enumeration value="NotDisplayed" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="GridScoreSettings">
    <xs:attribute name="ShowValue" type="xs:boolean" use="required" />
    <xs:attribute name="ScoreType" type="tns:ScoreTypes" use="required" />
    <xs:attribute name="RollupType" type="tns:RollupTypes" use="required" />
    <xs:attribute name="Position" type="tns:DataValuePosition" use="required" />
</xs:complexType>
<xs:simpleType name="ScoreTypes">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Normalized" />
        <xs:enumeration value="Raw" />
    </xs:restriction>
</xs:simpleType>
<xs:simpleType name="RollupTypes">
    <xs:restriction base="xs:string">
        <xs:enumeration value="None" />
        <xs:enumeration value="AverageWeighted" />
        <xs:enumeration value="WorstChild" />
        <xs:enumeration value="IndicatorCount" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="GridIndicatorSettings">
    <xs:sequence>

```

```

        <xs:element minOccurs="1" maxOccurs="1" name="Position"
type="tns:IndicatorPosition" />
    </xs:sequence>
    <xs:attribute name="ShowImage" type="xs:boolean" use="required" />
    <xs:attribute name="ShowText" type="xs:boolean" use="required" />
    <xs:attribute name="ShowForeColor" type="xs:boolean" use="required" />
    <xs:attribute name="ShowBackColor" type="xs:boolean" use="required" />
</xs:complexType>
<xs:simpleType name="IndicatorPosition">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Left" />
        <xs:enumeration value="Right" />
        <xs:enumeration value="Center" />
        <xs:enumeration value="NotDisplayed" />
    </xs:restriction>
</xs:simpleType>
<xs:simpleType name="ScorecardNodeTypes">
    <xs:list>
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:enumeration value="None" />
                <xs:enumeration value="Member" />
                <xs:enumeration value="Kpi" />
                <xs:enumeration value="KpiActual" />
                <xs:enumeration value="KpiTarget" />
                <xs:enumeration value="ScorecardDetails" />
                <xs:enumeration value="DocumentLinks" />
                <xs:enumeration value="NamedSet" />
                <xs:enumeration value="Aggregate" />
            </xs:restriction>
        </xs:simpleType>
    </xs:list>
</xs:simpleType>
<xs:simpleType name="ScorecardNamedSetType">
    <xs:list>
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:enumeration value="None" />
                <xs:enumeration value="NamedSet" />
                <xs:enumeration value="CustomFormula" />
                <xs:enumeration value="TimeFormula" />
            </xs:restriction>
        </xs:simpleType>
    </xs:list>
</xs:simpleType>
<xs:simpleType name="HeaderAggregationTypes">
    <xs:restriction base="xs:string">
        <xs:enumeration value="None" />
        <xs:enumeration value="Sum" />
        <xs:enumeration value="Average" />
        <xs:enumeration value="Min" />
        <xs:enumeration value="Max" />
        <xs:enumeration value="Trend" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="ArrayOfGridViewTransformReference">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="GridViewTransformReference"
nillable="true" type="tns:GridViewTransformReference" />
    </xs:sequence>
</xs:complexType>

```

```

    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="GridViewTransformReference">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="Parameters" type="tns:PropertyBag" />
    </xs:sequence>
    <xs:attribute name="Id" type="xs:string" />
  </xs:complexType>
  <xs:complexType name="GridViewDefinition">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="CornerCellFormatInfo"
type="tns:GridFormatInfo" />
      <xs:element minOccurs="0" maxOccurs="1" name="DefaultCellFormatInfo"
type="tns:GridFormatInfo" />
      <xs:element minOccurs="0" maxOccurs="1" name="DefaultRowHeaderFormatInfo"
type="tns:GridFormatInfo" />
      <xs:element minOccurs="0" maxOccurs="1" name="DefaultColumnHeaderFormatInfo"
type="tns:GridFormatInfo" />
      <xs:element minOccurs="0" maxOccurs="1" name="RootRowHeader"
type="tns:GridHeaderItem" />
      <xs:element minOccurs="0" maxOccurs="1" name="RootColumnHeader"
type="tns:GridHeaderItem" />
      <xs:element xmlns:q33="http://microsoft.com/wsdl/types/" minOccurs="1"
maxOccurs="1" name="DefaultRollupIndicatorId" type="q33:guid" />
      <xs:element minOccurs="0" maxOccurs="1" name="DefaultRollupIndicatorLocation"
type="tns:RepositoryLocation" />
      <xs:element minOccurs="0" maxOccurs="unbounded" name="PreQueryTransforms"
type="tns:GridViewTransformReference" />
      <xs:element minOccurs="0" maxOccurs="unbounded" name="PostQueryTransforms"
type="tns:GridViewTransformReference" />
      <xs:element minOccurs="0" maxOccurs="unbounded" name="PreRenderTransforms"
type="tns:GridViewTransformReference" />
      <xs:element minOccurs="0" maxOccurs="unbounded" name="PerUserTransforms"
type="tns:GridViewTransformReference" />
      <xs:element minOccurs="0" maxOccurs="1" name="CellBorderColor" type="tns:GridColor"
/>
      <xs:element minOccurs="0" maxOccurs="1" name="DefaultCellBorderColor"
type="tns:GridColor" />
    </xs:sequence>
    <xs:attribute name="EmptyCell" type="xs:string" />
    <xs:attribute name="InvalidCell" type="xs:string" />
    <xs:attribute name="ShowGridLines" type="xs:boolean" use="required" />
    <xs:attribute name="ShowHiddenHeaders" type="xs:boolean" use="required" />
    <xs:attribute name="ShowMetricHeaders" type="xs:boolean" use="required" />
    <xs:attribute name="ShowPlusMinus" type="xs:boolean" use="required" />
  </xs:complexType>
  <xs:complexType name="ToolbarOptions">
    <xs:attribute name="ShowInlineText" type="xs:boolean" use="required" />
    <xs:attribute name="ShowToolbar" type="xs:boolean" use="required" />
    <xs:attribute name="ShowStatusFilter" type="xs:boolean" use="required" />
    <xs:attribute name="ShowToolTips" type="xs:boolean" use="required" />
    <xs:attribute name="ShowCollapse" type="xs:boolean" use="required" />
    <xs:attribute name="ShowMode" type="xs:boolean" use="required" />
    <xs:attribute name="ShowExpand" type="xs:boolean" use="required" />
    <xs:attribute name="ShowToolbarItemsLabel" type="xs:boolean" use="required" />
    <xs:attribute name="ShowDefaultRollup" type="xs:boolean" use="required" />
    <xs:attribute name="ShowWorstChildRollup" type="xs:boolean" use="required" />
    <xs:attribute name="ShowIndicatorCount" type="xs:boolean" use="required" />
  </xs:complexType>
  <xs:complexType name="StatusFilter">

```

```

        <xs:attribute xmlns:q34="http://microsoft.com/wsdl/types/"
name="IndicatorLocationGuid" type="q34:guid" use="required" />
        <xs:attribute name="BandIndex" type="xs:int" use="required" />
    </xs:complexType>
    <xs:complexType name="ParameterMapping">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="ConditionalData">
                <xs:complexType>
                    <xs:sequence>
                        <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax" />
                        <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
processContents="lax" />
                    </xs:sequence>
                </xs:complexType>
            </xs:element>
        </xs:sequence>
        <xs:attribute name="EndPointUniqueName" type="xs:string" />
        <xs:attribute xmlns:q35="http://microsoft.com/wsdl/types/" name="Id" type="q35:guid"
use="required" />
        <xs:attribute name="SourceColumnName" type="xs:string" />
        <xs:attribute xmlns:q36="http://microsoft.com/wsdl/types/" name="DashboardItemId"
type="q36:guid" use="required" />
        <xs:attribute name="ParameterUniqueName" type="xs:string" />
        <xs:attribute name="PostFormula" type="xs:string" />
        <xs:attribute name="IsConditionalDataEnabled" type="xs:boolean" use="required" />
        <xs:attribute name="IsDefaultVisibility" type="xs:boolean" use="required" />
    </xs:complexType>
    <xs:complexType name="DashboardElementSize">
        <xs:attribute name="Measurement" type="xs:int" use="required" />
        <xs:attribute name="Units" type="tns:SizeType" use="required" />
    </xs:complexType>
    <xs:simpleType name="SizeType">
        <xs:restriction base="xs:string">
            <xs:enumeration value="AutoSize" />
            <xs:enumeration value="Absolute" />
            <xs:enumeration value="Percent" />
        </xs:restriction>
    </xs:simpleType>
    <xs:complexType name="IndicatorBand">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="ImageData" type="xs:string" />
        </xs:sequence>
        <xs:attribute name="Color" type="xs:string" />
        <xs:attribute name="BackColor" type="xs:string" />
        <xs:attribute name="ToolTip" type="xs:string" />
    </xs:complexType>
    <xs:complexType name="ArrayOfIndicatorBand">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="IndicatorBand"
nillable="true" type="tns:IndicatorBand" />
        </xs:sequence>
    </xs:complexType>
    <xs:complexType name="ArrayOfParameterMapping">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="ParameterMapping"
nillable="true" type="tns:ParameterMapping" />
        </xs:sequence>
    </xs:complexType>

```

```

<xs:complexType name="ArrayOfDashboardElement">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="DashboardElement"
nillable="true" type="tns:DashboardElement" />
  </xs:sequence>
</xs:complexType>
<xs:complexType name="DashboardElement" abstract="true">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:SecondClassElement">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Height"
type="tns:DashboardElementSize" />
        <xs:element minOccurs="0" maxOccurs="1" name="Width"
type="tns:DashboardElementSize" />
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="DashboardElementContainer">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:DashboardElement">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="DashboardElements"
type="tns:ArrayOfDashboardElement" />
      </xs:sequence>
      <xs:attribute name="Orientation" type="tns:LayoutOrientation" use="required" />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:simpleType name="LayoutOrientation">
  <xs:restriction base="xs:string">
    <xs:enumeration value="HorizontalLeftJustified" />
    <xs:enumeration value="HorizontalRightJustified" />
    <xs:enumeration value="VerticalBottomJustified" />
    <xs:enumeration value="VerticalTopJustified" />
    <xs:enumeration value="Stacked" />
    <xs:enumeration value="Hidden" />
  </xs:restriction>
</xs:simpleType>
<xs:complexType name="DashboardItem">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:DashboardElement">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="InboundParameters"
type="tns:ArrayOfParameterMapping" />
        <xs:element minOccurs="0" maxOccurs="1" name="UnderlyingElementLocation"
type="tns:RepositoryLocation" />
      </xs:sequence>
      <xs:attribute name="UnderlyingElementTypeName" type="xs:string" />
      <xs:attribute name="AutoSizeWidth" type="xs:boolean" use="required" />
      <xs:attribute name="AutoSizeHeight" type="xs:boolean" use="required" />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="ArrayOfConfiguredView">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="ConfiguredView"
nillable="true" type="tns:ConfiguredView" />
  </xs:sequence>
</xs:complexType>

```

```

</xs:complexType>
<xs:complexType name="ConfiguredView">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:SecondClassElement">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="StatusFilters"
type="tns:StatusFilter" />
        <xs:element minOccurs="0" maxOccurs="1" name="ToolbarOptions"
type="tns:ToolbarOptions" />
        <xs:element minOccurs="0" maxOccurs="1" name="DataSourceLocation"
type="tns:RepositoryLocation" />
        <xs:element minOccurs="0" maxOccurs="1" name="GridViewDefinition"
type="tns:GridViewDefinition" />
      </xs:sequence>
      <xs:attribute name="AllowStatusFilter" type="xs:boolean" use="required" />
      <xs:attribute name="AllowFilter" type="xs:boolean" use="required" />
      <xs:attribute name="AllowSort" type="xs:boolean" use="required" />
      <xs:attribute name="AllowAnnotations" type="xs:boolean" use="required" />
      <xs:attribute name="EmptyRowsFilterMode" type="tns:ScorecardEmptyRowsFilterMode"
use="required" />
      <xs:attribute name="AllowShowDetails" type="xs:boolean" use="required" />
      <xs:attribute name="EnableTextwrap" type="xs:boolean" use="required" />
      <xs:attribute name="AllowDynamicRowMemberExpansion" type="xs:boolean"
use="required" />
      <xs:attribute name="AllowDynamicColumnMemberExpansion" type="xs:boolean"
use="required" />
      <xs:attribute name="AllowRowDrill" type="xs:boolean" use="required" />
      <xs:attribute name="AllowColumnDrill" type="xs:boolean" use="required" />
      <xs:attribute name="AlwaysShowAnnotationCellFlags" type="xs:boolean"
use="required" />
      <xs:attribute name="ExpandToFitWidth" type="xs:boolean" use="required" />
      <xs:attribute name="HideScorecard" type="xs:boolean" use="required" />
      <xs:attribute name="ShowStatusFiltersByDefault" type="xs:boolean" use="required"
/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:simpleType name="ScorecardEmptyRowsFilterMode">
  <xs:restriction base="xs:string">
    <xs:enumeration value="None" />
    <xs:enumeration value="AllValuesAreEmpty" />
  </xs:restriction>
</xs:simpleType>
<xs:element name="GenerateViewDirect">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="scorecard" type="tns:Scorecard" />
      <xs:element minOccurs="0" maxOccurs="1" name="kpis" type="tns:ArrayOfKpi" />
      <xs:element minOccurs="0" maxOccurs="1" name="dataSources"
type="tns:ArrayOfDataSource" />
      <xs:element minOccurs="0" maxOccurs="1" name="indicators"
type="tns:ArrayOfIndicator" />
      <xs:element minOccurs="0" maxOccurs="1" name="pageFilters"
type="tns:ArrayOfMember" />
      <xs:element minOccurs="0" maxOccurs="1" name="propertyBags"
type="tns:DictionaryWrapperOfStringPropertyBag" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:complexType name="Scorecard">

```



```

    <xs:complexContent mixed="false">
      <xs:extension base="tns:FirstClassElement">
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="ConfiguredViews"
type="tns:ArrayOfConfiguredView" />
          <xs:element minOccurs="0" maxOccurs="1" name="EndPoints"
type="tns:ArrayOfEndPoint" />
          <xs:element minOccurs="0" maxOccurs="1" name="BeginPoints"
type="tns:ArrayOfParameterDefinition" />
        </xs:sequence>
        <xs:attribute name="RendererClassName" type="xs:string" />
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:complexType name="ArrayOfDataSource">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="DataSource" nillable="true"
type="tns:DataSource" />
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="ArrayOfIndicator">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="Indicator" nillable="true"
type="tns:Indicator" />
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="Indicator">
    <xs:complexContent mixed="false">
      <xs:extension base="tns:FirstClassElement">
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="NoDataIndicatorBand"
type="tns:IndicatorBand" />
          <xs:element minOccurs="0" maxOccurs="1" name="IndicatorBands"
type="tns:ArrayOfIndicatorBand" />
        </xs:sequence>
        <xs:attribute name="IndicatorType" type="tns:IndicatorType" use="required" />
        <xs:attribute name="IsBuiltIn" type="xs:boolean" use="required" />
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:simpleType name="IndicatorType">
    <xs:restriction base="xs:string">
      <xs:enumeration value="Standard" />
      <xs:enumeration value="Centered" />
    </xs:restriction>
  </xs:simpleType>
  <xs:element name="GenerateViewDirectResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="GenerateViewDirectResult"
type="tns:GridViewData" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetAsKpis">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="tns:DataSource"
/>
        <xs:element minOccurs="0" maxOccurs="1" name="listUrl" type="xs:string" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>

```

```

        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAsKpisResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetAsKpisResult"
type="tns:ArrayOfKpi" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetParameterDisplayData">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="providerLocation"
type="tns:RepositoryLocation" />
            <xs:element minOccurs="0" maxOccurs="1" name="parameterDefinition"
type="tns:ParameterDefinition" />
            <xs:element minOccurs="0" maxOccurs="1" name="parameterSourceLocation"
type="tns:RepositoryLocation" />
            <xs:element minOccurs="0" maxOccurs="1" name="webPartContext"
type="tns:WebPartContext" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:complexType name="WebPartContext">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="ClientViewState"
type="tns:DictionaryWrapperOfStringString" />
        <xs:element minOccurs="0" maxOccurs="1" name="InUseProviderParameterNames"
type="tns:ArrayOfString" />
        <xs:element minOccurs="0" maxOccurs="1" name="ProviderParameterSelections"
type="tns:DictionaryWrapperOfStringListOfString" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="DictionaryWrapperOfStringString">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Keys" type="tns:ArrayOfString" />
        <xs:element minOccurs="0" maxOccurs="1" name="Values" type="tns:ArrayOfString" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="DictionaryWrapperOfStringListOfString">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Keys" type="tns:ArrayOfString" />
        <xs:element minOccurs="0" maxOccurs="1" name="Values"
type="tns:ArrayOfArrayOfString" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfArrayOfString">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="ArrayOfString"
nillable="true" type="tns:ArrayOfString" />
    </xs:sequence>
</xs:complexType>
<xs:element name="GetParameterDisplayDataResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetParameterDisplayDataResult">
                <xs:complexType>
                    <xs:sequence>

```

```

        <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax" />
        <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
processContents="lax" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="GetFilterDisplayData">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="filterLocation"
type="tns:RepositoryLocation" />
            <xs:element minOccurs="0" maxOccurs="1" name="parameterDefinition"
type="tns:ParameterDefinition" />
            <xs:element minOccurs="0" maxOccurs="1" name="selections"
type="tns:ArrayOfString" />
            <xs:element minOccurs="1" maxOccurs="1" name="useSavedUserSelections"
type="xs:boolean" />
            <xs:element minOccurs="1" maxOccurs="1" name="selectionsOnly" type="xs:boolean"
/>
            <xs:element minOccurs="0" maxOccurs="1" name="webPartContext"
type="tns:WebPartContext" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetFilterDisplayDataResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetFilterDisplayDataResult">
                <xs:complexType>
                    <xs:sequence>
                        <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax" />
                        <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
processContents="lax" />
                    </xs:sequence>
                </xs:complexType>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetParameterMessageData">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" name="providerLocation" nillable="true"
type="tns:RepositoryLocation" />
            <xs:element
xmlns:q37="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="parameterMessage" nillable="true" type="q37:ParameterMessage" />
            <xs:element minOccurs="0" name="parameterSourceLocation" nillable="true"
type="tns:RepositoryLocation" />
            <xs:element
xmlns:q38="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="parameterMapping" nillable="true" type="q38:ParameterMapping" />
            <xs:element
xmlns:q39="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContext" nillable="true" type="q39:WebPartContext" />
        </xs:sequence>
    </xs:complexType>
</xs:element>

```

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    </xs:complexType>
  </xs:element>
  <xs:element name="GetParameterMessageDataResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="GetParameterMessageDataResult" nillable="true">
          <xs:complexType>
            <xs:sequence>
              <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax" />
              <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
processContents="lax" />
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="RepositoryLocation" nillable="true" type="tns:RepositoryLocation" />
  <xs:complexType name="BpmException">
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="ErrorCode" type="xs:string" />
      <xs:element minOccurs="1" maxOccurs="1" name="EventLogged" type="xs:boolean" />
      <xs:element minOccurs="1" maxOccurs="1" name="Message" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ExportSettings" nillable="true" type="tns:ExportSettings" />
  <xs:complexType name="ExportSettings">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="WebPartTitle" type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="PageTitle" type="xs:string" />
      <xs:element minOccurs="1" maxOccurs="1" name="ExportFormat" type="tns:ExportFormat"
/>
      <xs:element minOccurs="0" maxOccurs="1" name="DashboardLink" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfArrayOfString" nillable="true" type="tns:ArrayOfArrayOfString"
/>
  <xs:complexType name="ArrayOfArrayOfKeyValueOfstringanyType">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded"
name="ArrayOfKeyValueOfstringanyType" nillable="true"
type="tns:ArrayOfKeyValueOfstringanyType" />
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfArrayOfKeyValueOfstringanyType" nillable="true"
type="tns:ArrayOfArrayOfKeyValueOfstringanyType" />
  <xs:complexType name="ArrayOfKeyValueOfstringanyType">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="KeyValueOfstringanyType">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="Key" nillable="true" type="xs:string" />
            <xs:element name="Value" nillable="true" type="xs:anyType" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>

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    <xs:element name="ArrayOfKeyValueOfstringanyType" nillable="true"
type="tns:ArrayOfKeyValueOfstringanyType" />
    <xs:element name="WebPartContext" nillable="true" type="tns:WebPartContext" />
    <xs:complexType name="DictionaryWrapperOfstringstring">
      <xs:sequence>
        <xs:element name="keys" nillable="true" type="tns:ArrayOfString" />
        <xs:element name="values" nillable="true" type="tns:ArrayOfString" />
      </xs:sequence>
    </xs:complexType>
    <xs:element name="DictionaryWrapperOfstringstring" nillable="true"
type="tns:DictionaryWrapperOfstringstring" />
    <xs:complexType name="DictionaryWrapperOfstringArrayOfStringty7Ep6D1">
      <xs:sequence>
        <xs:element name="keys" nillable="true" type="tns:ArrayOfString" />
        <xs:element name="values" nillable="true" type="tns:ArrayOfArrayOfString" />
      </xs:sequence>
    </xs:complexType>
    <xs:element name="DictionaryWrapperOfstringArrayOfStringty7Ep6D1" nillable="true"
type="tns:DictionaryWrapperOfstringArrayOfStringty7Ep6D1" />
    <xs:complexType name="ArrayOfBIData">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="BIData" nillable="true"
type="tns:BIData" />
      </xs:sequence>
    </xs:complexType>
    <xs:element name="ArrayOfBIData" nillable="true" type="tns:ArrayOfBIData" />
    <xs:complexType name="BIData">
      <xs:sequence>
        <xs:element minOccurs="0" name="_consumerParameter" nillable="true"
type="xs:string" />
        <xs:element minOccurs="0" name="_dataValidated" type="xs:boolean" />
        <xs:element minOccurs="0" name="_displayColumnName" nillable="true"
type="xs:string" />
        <xs:element minOccurs="0" name="_providerValues" nillable="true"
type="tns:ArrayOfArrayOfKeyValueOfstringanyType" />
        <xs:element minOccurs="0" name="_valuesColumnName" nillable="true" type="xs:string"
/>
      </xs:sequence>
    </xs:complexType>
    <xs:element name="BIData" nillable="true" type="tns:BIData" />
    <xs:complexType name="WebPartContextUpdate">
      <xs:sequence>
        <xs:element name="_clientViewStateWrapper" nillable="true"
type="tns:DictionaryWrapperOfstringstring" />
        <xs:element name="_legacyFilterSelections" nillable="true" type="tns:ArrayOfBIData"
/>
      </xs:sequence>
    </xs:complexType>
    <xs:element name="WebPartContextUpdate" nillable="true" type="tns:WebPartContextUpdate"
/>
    <xs:complexType name="ParameterMessage">
      <xs:complexContent mixed="false">
        <xs:extension base="tns:ParameterDefinition">
          <xs:sequence>
            <xs:element xmlns:q10="http://microsoft.com/wsd1/types/" name="dashboardItemId"
type="q10:guid" />
            <xs:element xmlns:q11="http://microsoft.com/wsd1/types/" name="mappingId"
type="q11:guid" />
            <xs:element name="values" nillable="true">
              <xs:complexType>

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        <xs:sequence>
          <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax" />
          <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-
v1" processContents="lax" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>
<xs:element name="ParameterMessage" nillable="true" type="tns:ParameterMessage" />
</xs:schema>
<xs:schema xmlns:tns="http://microsoft.com/wsdl/types/" elementFormDefault="qualified"
targetNamespace="http://microsoft.com/wsdl/types/"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:simpleType name="guid">
    <xs:restriction base="xs:string">
      <xs:pattern value="[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-
9a-fA-F]{12}" />
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="char">
    <xs:restriction base="xs:unsignedShort" />
  </xs:simpleType>
</xs:schema>
<xs:schema
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecard
s" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import namespace="http://schemas.datacontract.org/2004/07/System" />
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays" />
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
  <xs:complexType name="BpmException">
    <xs:complexContent mixed="false">
      <xs:extension xmlns:q1="http://schemas.datacontract.org/2004/07/System"
base="q1:ApplicationException" />
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="BpmException" nillable="true" type="tns:BpmException" />
  <xs:complexType name="BpmWarning">
    <xs:complexContent mixed="false">
      <xs:extension base="tns:BpmException" />
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="BpmWarning" nillable="true" type="tns:BpmWarning" />
  <xs:complexType name="GridTooLargeForExportToPowerPointException">
    <xs:complexContent mixed="false">
      <xs:extension base="tns:BpmException" />
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="GridTooLargeForExportToPowerPointException" nillable="true"
type="tns:GridTooLargeForExportToPowerPointException" />
  <xs:complexType name="GridTooLargeForExportToExcelException">
    <xs:complexContent mixed="false">
      <xs:extension base="tns:BpmException" />
    </xs:complexContent>
  </xs:complexType>

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    </xs:complexType>
    <xs:element name="GridTooLargeForExportToExcelException" nillable="true"
type="tns:GridTooLargeForExportToExcelException" />
    <xs:complexType name="BpmNoAccessException">
      <xs:complexContent mixed="false">
        <xs:extension base="tns:BpmException" />
      </xs:complexContent>
    </xs:complexType>
    <xs:element name="BpmNoAccessException" nillable="true" type="tns:BpmNoAccessException"
/>
    <xs:complexType name="BpmDashboardItemNotFoundException">
      <xs:complexContent mixed="false">
        <xs:extension base="tns:BpmException" />
      </xs:complexContent>
    </xs:complexType>
    <xs:element name="BpmDashboardItemNotFoundException" nillable="true"
type="tns:BpmDashboardItemNotFoundException" />
    <xs:complexType name="BpmDevException">
      <xs:complexContent mixed="false">
        <xs:extension base="tns:BpmException" />
      </xs:complexContent>
    </xs:complexType>
    <xs:element name="BpmDevException" nillable="true" type="tns:BpmDevException" />
    <xs:complexType name="BpmRenderingException">
      <xs:complexContent mixed="false">
        <xs:extension base="tns:BpmException" />
      </xs:complexContent>
    </xs:complexType>
    <xs:element name="BpmRenderingException" nillable="true"
type="tns:BpmRenderingException" />
    <xs:complexType name="BpmServerExportException">
      <xs:complexContent mixed="false">
        <xs:extension base="tns:BpmException" />
      </xs:complexContent>
    </xs:complexType>
    <xs:element name="BpmServerExportException" nillable="true"
type="tns:BpmServerExportException" />
    <xs:complexType name="WebPartContext">
      <xs:sequence>
        <xs:element name="_clientViewState" nillable="true"
type="tns:DictionaryWrapperOfstringstring" />
        <xs:element name="_filterSelections" nillable="true" type="tns:ArrayOfBIData" />
        <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
name="_inUseProviderParameterNames" nillable="true" type="q2:ArrayOfstring" />
        <xs:element name="_legacyFilterSelections" nillable="true" type="tns:ArrayOfBIData"
/>
        <xs:element name="_providerParameterSelections" nillable="true"
type="tns:DictionaryWrapperOfstringArrayOfstringty7Ep6D1" />
      </xs:sequence>
    </xs:complexType>
    <xs:element name="WebPartContext" nillable="true" type="tns:WebPartContext" />
    <xs:complexType name="DictionaryWrapperOfstringstring">
      <xs:sequence>
        <xs:element xmlns:q3="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
name="dictionary" nillable="true"
type="q3:ArrayOfKeyValueOfstringKeyValuePairOfintstringtwCi8m_S7" />
        <xs:element xmlns:q4="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
name="keys" nillable="true" type="q4:ArrayOfstring" />
        <xs:element xmlns:q5="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
name="values" nillable="true" type="q5:ArrayOfstring" />

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        </xs:sequence>
    </xs:complexType>
    <xs:element name="DictionaryWrapperOfstringstring" nillable="true"
type="tns:DictionaryWrapperOfstringstring" />
    <xs:complexType name="ArrayOfBIData">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="BIData" nillable="true"
type="tns:BIData" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="ArrayOfBIData" nillable="true" type="tns:ArrayOfBIData" />
    <xs:complexType name="BIData">
        <xs:sequence>
            <xs:element minOccurs="0" name="_consumerParameter" nillable="true"
type="xs:string" />
            <xs:element minOccurs="0" name="_dataValidated" type="xs:boolean" />
            <xs:element minOccurs="0" name="_displayColumnName" nillable="true"
type="xs:string" />
            <xs:element xmlns:q6="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="_providerValues" nillable="true"
type="q6:ArrayOfArrayOfKeyValueOfstringanyType" />
            <xs:element minOccurs="0" name="_valuesColumnName" nillable="true" type="xs:string"
/>
        </xs:sequence>
    </xs:complexType>
    <xs:element name="BIData" nillable="true" type="tns:BIData" />
    <xs:complexType name="DictionaryWrapperOfstringArrayOfstringty7Ep6D1">
        <xs:sequence>
            <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
name="dictionary" nillable="true"
type="q7:ArrayOfKeyValueOfstringKeyValuePairOfintArrayOfstringty7Ep6D1twCi8m_S7" />
            <xs:element xmlns:q8="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
name="keys" nillable="true" type="q8:ArrayOfstring" />
            <xs:element xmlns:q9="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
name="values" nillable="true" type="q9:ArrayOfArrayOfstring" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="DictionaryWrapperOfstringArrayOfstringty7Ep6D1" nillable="true"
type="tns:DictionaryWrapperOfstringArrayOfstringty7Ep6D1" />
    <xs:complexType name="WebPartContextUpdate">
        <xs:sequence>
            <xs:element name="_clientViewStateWrapper" nillable="true"
type="tns:DictionaryWrapperOfstringstring" />
            <xs:element name="_legacyFilterSelections" nillable="true" type="tns:ArrayOfBIData"
/>
        </xs:sequence>
    </xs:complexType>
    <xs:element name="WebPartContextUpdate" nillable="true" type="tns:WebPartContextUpdate"
/>
    <xs:complexType name="ParameterMessage">
        <xs:complexContent mixed="false">
            <xs:extension base="tns:ParameterDefinition">
                <xs:sequence>
                    <xs:element name="dashboardItemId" type="ser:guid" />
                    <xs:element name="mappingId" type="ser:guid" />
                    <xs:element name="values" nillable="true">
                        <xs:complexType>
                            <xs:sequence>
                                <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax" />

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        <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-
v1" processContents="lax" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>
<xs:element name="ParameterMessage" nillable="true" type="tns:ParameterMessage" />
<xs:complexType name="ParameterDefinition">
  <xs:sequence>
    <xs:element name="customDefinition" nillable="true" type="xs:string" />
    <xs:element name="defaultPostFormula" nillable="true" type="xs:string" />
    <xs:element name="displayColumn" nillable="true" type="xs:string" />
    <xs:element name="displayName" nillable="true" type="xs:string" />
    <xs:element name="displayValues" nillable="true">
      <xs:complexType>
        <xs:sequence>
          <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax" />
          <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
processContents="lax" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="emitterType" type="tns:BeginPointEmitterType" />
    <xs:element name="isDefaultColumn" nillable="true" type="xs:string" />
    <xs:element name="keyColumn" nillable="true" type="xs:string" />
    <xs:element name="parameterProviderId" nillable="true" type="xs:string" />
    <xs:element name="parameterUniqueName" nillable="true" type="xs:string" />
    <xs:element name="parentKeyColumn" nillable="true" type="xs:string" />
  </xs:sequence>
</xs:complexType>
<xs:element name="ParameterDefinition" nillable="true" type="tns:ParameterDefinition"
/>

<xs:simpleType name="BeginPointEmitterType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="BothAConditionalVisibilityAndParameterEmitter" />
    <xs:enumeration value="ConditionalVisibilityEmitter" />
    <xs:enumeration value="ParameterEmitter" />
  </xs:restriction>
</xs:simpleType>
<xs:element name="BeginPointEmitterType" nillable="true"
type="tns:BeginPointEmitterType" />
<xs:complexType name="ParameterMapping">
  <xs:sequence>
    <xs:element name="_isDefaultVisibility" type="xs:boolean" />
    <xs:element name="conditionalData" nillable="true">
      <xs:complexType>
        <xs:sequence>
          <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax" />
          <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
processContents="lax" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="dashboardItemId" type="ser:guid" />
  </xs:sequence>
</xs:complexType>

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        <xs:element name="endPointUniqueName" nillable="true" type="xs:string" />
        <xs:element name="id" type="ser:guid" />
        <xs:element name="isConditionalDataEnabled" type="xs:boolean" />
        <xs:element name="parameterUniqueName" nillable="true" type="xs:string" />
        <xs:element name="postFormula" nillable="true" type="xs:string" />
        <xs:element name="sourceColumnName" nillable="true" type="xs:string" />
    </xs:sequence>
</xs:complexType>
<xs:element name="ParameterMapping" nillable="true" type="tns:ParameterMapping" />
</xs:schema>
<xs:schema xmlns:tns="http://schemas.datacontract.org/2004/07/System"
xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/System"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
    <xs:complexType name="ApplicationException">
        <xs:complexContent mixed="false">
            <xs:extension base="tns:Exception" />
        </xs:complexContent>
    </xs:complexType>
    <xs:element name="ApplicationException" nillable="true" type="tns:ApplicationException" />
/>
<xs:complexType name="Exception">
    <xs:sequence>
        <xs:any minOccurs="0" maxOccurs="unbounded" namespace="##local"
processContents="skip" />
    </xs:sequence>
    <xs:attribute ref="ser:FactoryType" />
</xs:complexType>
<xs:element name="Exception" nillable="true" type="tns:Exception" />
</xs:schema>
<xs:schema xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/"
attributeFormDefault="qualified" elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:element name="anyType" nillable="true" type="xs:anyType" />
    <xs:element name="anyURI" nillable="true" type="xs:anyURI" />
    <xs:element name="base64Binary" nillable="true" type="xs:base64Binary" />
    <xs:element name="boolean" nillable="true" type="xs:boolean" />
    <xs:element name="byte" nillable="true" type="xs:byte" />
    <xs:element name="dateTime" nillable="true" type="xs:dateTime" />
    <xs:element name="decimal" nillable="true" type="xs:decimal" />
    <xs:element name="double" nillable="true" type="xs:double" />
    <xs:element name="float" nillable="true" type="xs:float" />
    <xs:element name="int" nillable="true" type="xs:int" />
    <xs:element name="long" nillable="true" type="xs:long" />
    <xs:element name="QName" nillable="true" type="xs:QName" />
    <xs:element name="short" nillable="true" type="xs:short" />
    <xs:element name="string" nillable="true" type="xs:string" />
    <xs:element name="unsignedByte" nillable="true" type="xs:unsignedByte" />
    <xs:element name="unsignedInt" nillable="true" type="xs:unsignedInt" />
    <xs:element name="unsignedLong" nillable="true" type="xs:unsignedLong" />
    <xs:element name="unsignedShort" nillable="true" type="xs:unsignedShort" />
    <xs:element name="char" nillable="true" type="tns:char" />
    <xs:simpleType name="char">
        <xs:restriction base="xs:int" />
    </xs:simpleType>
    <xs:element name="duration" nillable="true" type="tns:duration" />
    <xs:simpleType name="duration">

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    <xs:restriction base="xs:duration">
      <xs:pattern value="\-?P(\d*D)?(T(\d*H)?(\d*M)?(\d*(\.\d*)?S)?)?" />
      <xs:minInclusive value="-P10675199DT2H48M5.4775808S" />
      <xs:maxInclusive value="P10675199DT2H48M5.4775807S" />
    </xs:restriction>
  </xs:simpleType>
  <xs:element name="guid" nillable="true" type="tns:guid" />
  <xs:simpleType name="guid">
    <xs:restriction base="xs:string">
      <xs:pattern value="[\da-fA-F]{8}-[\da-fA-F]{4}-[\da-fA-F]{4}-[\da-fA-F]{4}-[\da-fA-F]{12}" />
    </xs:restriction>
  </xs:simpleType>
  <xs:attribute name="FactoryType" type="xs:QName" />
  <xs:attribute name="Id" type="xs:ID" />
  <xs:attribute name="Ref" type="xs:IDREF" />
</xs:schema>
<xs:schema xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
  elementFormDefault="qualified"
  targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import
    namespace="http://schemas.datacontract.org/2004/07/System.Collections.Generic" />
  <xs:complexType name="ArrayOfKeyValueOfstringKeyValuePairOfintstringtwCi8m_S7">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded"
        name="KeyValueOfstringKeyValuePairOfintstringtwCi8m_S7">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="Key" nillable="true" type="xs:string" />
            <xs:element
              xmlns:q1="http://schemas.datacontract.org/2004/07/System.Collections.Generic" name="Value"
              type="q1:KeyValuePairOfintstring" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfKeyValueOfstringKeyValuePairOfintstringtwCi8m_S7"
    nillable="true" type="tns:ArrayOfKeyValueOfstringKeyValuePairOfintstringtwCi8m_S7" />
  <xs:complexType name="ArrayOfstring">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="string" nillable="true"
        type="xs:string" />
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfstring" nillable="true" type="tns:ArrayOfstring" />
  <xs:complexType name="ArrayOfArrayOfKeyValueOfstringanyType">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded"
        name="ArrayOfKeyValueOfstringanyType" nillable="true"
        type="tns:ArrayOfKeyValueOfstringanyType" />
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfArrayOfKeyValueOfstringanyType" nillable="true"
    type="tns:ArrayOfArrayOfKeyValueOfstringanyType" />
  <xs:complexType name="ArrayOfKeyValueOfstringanyType">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="KeyValueOfstringanyType">
        <xs:complexType>

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        <xs:sequence>
            <xs:element name="Key" nillable="true" type="xs:string" />
            <xs:element name="Value" nillable="true" type="xs:anyType" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
<xs:element name="ArrayOfKeyValueOfstringanyType" nillable="true"
type="tns:ArrayOfKeyValueOfstringanyType" />
<xs:complexType
name="ArrayOfKeyValueOfstringKeyValuePairOfintArrayOfstringty7Ep6D1twCi8m_S7">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded"
name="KeyValuePairOfstringKeyValuePairOfintArrayOfstringty7Ep6D1twCi8m_S7">
            <xs:complexType>
                <xs:sequence>
                    <xs:element name="Key" nillable="true" type="xs:string" />
                    <xs:element
xmlns:q2="http://schemas.datacontract.org/2004/07/System.Collections.Generic" name="Value"
type="q2:KeyValuePairOfintArrayOfstringty7Ep6D1" />
                </xs:sequence>
            </xs:complexType>
        </xs:element>
    </xs:sequence>
</xs:complexType>
<xs:element
name="ArrayOfKeyValueOfstringKeyValuePairOfintArrayOfstringty7Ep6D1twCi8m_S7" nillable="true"
type="tns:ArrayOfKeyValueOfstringKeyValuePairOfintArrayOfstringty7Ep6D1twCi8m_S7" />
    <xs:complexType name="ArrayOfArrayOfstring">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="ArrayOfstring"
nillable="true" type="tns:ArrayOfstring" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="ArrayOfArrayOfstring" nillable="true" type="tns:ArrayOfArrayOfstring"
/>
</xs:schema>
<xs:schema xmlns:tns="http://schemas.datacontract.org/2004/07/System.Collections.Generic"
elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/System.Collections.Generic"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
    <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays" />
    <xs:complexType name="KeyValuePairOfintstring">
        <xs:sequence>
            <xs:element name="key" type="xs:int" />
            <xs:element name="value" nillable="true" type="xs:string" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="KeyValuePairOfintstring" nillable="true"
type="tns:KeyValuePairOfintstring" />
    <xs:complexType name="KeyValuePairOfintArrayOfstringty7Ep6D1">
        <xs:sequence>
            <xs:element name="key" type="xs:int" />
            <xs:element xmlns:q1="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
name="value" nillable="true" type="q1:ArrayOfstring" />
        </xs:sequence>
    </xs:complexType>

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    <xs:element name="KeyValuePairOfIntArrayOfStringty7Ep6D1" nillable="true"
type="tns:KeyValuePairOfIntArrayOfStringty7Ep6D1" />
  </xs:schema>
  <xs:schema
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.ServerCommon.Export" elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.ServerCommon.Export" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType name="OfficeExportInfo">
    <xs:sequence>
      <xs:element minOccurs="0" name="_downloadFileName" nillable="true" type="xs:string"
/>
      <xs:element minOccurs="0" name="_exportData" nillable="true" type="xs:base64Binary"
/>
      <xs:element minOccurs="0" name="_exportUri" nillable="true" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
  <xs:element name="OfficeExportInfo" nillable="true" type="tns:OfficeExportInfo" />
</xs:schema>
<xs:schema
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.ServerCommon" elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.ServerCommon" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType name="ArrayOfSubstitutionPair">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="SubstitutionPair"
nillable="true" type="tns:SubstitutionPair" />
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfSubstitutionPair" nillable="true"
type="tns:ArrayOfSubstitutionPair" />
  <xs:complexType name="SubstitutionPair">
    <xs:sequence>
      <xs:element name="_x003C_Token_x003E_k__BackingField" nillable="true"
type="xs:string" />
      <xs:element name="_x003C_Value_x003E_k__BackingField" nillable="true"
type="xs:string" />
    </xs:sequence>
  </xs:complexType>
  <xs:element name="SubstitutionPair" nillable="true" type="tns:SubstitutionPair" />
</xs:schema>
<xs:schema xmlns:tns="http://schemas.datacontract.org/2004/07/System.Data"
elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/System.Data"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="DataTable" nillable="true">
    <xs:complexType>
      <xs:sequence>
        <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax" />
        <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
processContents="lax" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
</wsdl:types>
<wsdl:message name="IBIMonitoringServiceApplication_DeleteDataSource_InputMessage">
  <wsdl:part name="parameters" element="tns:DeleteDataSource" />
</wsdl:message>

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    <wsdl:message name="IBIMonitoringServiceApplication_DeleteDataSource_OutputMessage">
      <wsdl:part name="parameters" element="tns:DeleteDataSourceResponse" />
    </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_DeleteDataSource_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q1:BpmException" />
  </wsdl:part>
  <wsdl:message name="IBIMonitoringServiceApplication_SaveFilterValues_InputMessage">
    <wsdl:part name="parameters" element="tns:SaveFilterValues" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_SaveFilterValues_OutputMessage">
    <wsdl:part name="parameters" element="tns:SaveFilterValuesResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_SaveFilterValues_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q2="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q2:BpmException" />
  </wsdl:part>
  <wsdl:message name="IBIMonitoringServiceApplication_GetKpisFromScorecard_InputMessage">
    <wsdl:part name="parameters" element="tns:GetKpisFromScorecard" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_GetKpisFromScorecard_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetKpisFromScorecardResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_GetKpisFromScorecard_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q3="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q3:BpmException" />
  </wsdl:part>
  <wsdl:message name="IBIMonitoringServiceApplication_GetAnalyticReportView_InputMessage">
    <wsdl:part name="parameters" element="tns:GetAnalyticReportView" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_GetAnalyticReportView_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetAnalyticReportViewResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_GetAnalyticReportView_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q4="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q4:BpmException" />
  </wsdl:part>
  <wsdl:message name="IBIMonitoringServiceApplication_GetStrategyMapReportView_InputMessage">
    <wsdl:part name="parameters" element="tns:GetStrategyMapReportView" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_GetStrategyMapReportView_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetStrategyMapReportViewResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_GetStrategyMapReportView_BpmExceptionFault_FaultMessage
">
    <wsdl:part
xmlns:q5="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q5:BpmException" />
  </wsdl:part>
  <wsdl:message
name="IBIMonitoringServiceApplication_GetLatestAnalyticReportVersion_InputMessage">

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        <wsdl:part name="parameters" element="tns:GetLatestAnalyticReportVersion" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetLatestAnalyticReportVersion_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetLatestAnalyticReportVersionResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetLatestAnalyticReportVersion_BpmExceptionFault_FaultM
essage">
        <wsdl:part
xmlns:q6="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q6:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetSettings_InputMessage">
        <wsdl:part name="parameters" element="tns:GetSettings" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetSettings_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetSettingsResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetSettings_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q7="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q7:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetSetting_InputMessage">
        <wsdl:part name="parameters" element="tns:GetSetting" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetSetting_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetSettingResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetSetting_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q8="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q8:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetSettingValue_InputMessage">
        <wsdl:part name="parameters" element="tns:GetSettingValue" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetSettingValue_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetSettingValueResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetSettingValue_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q9="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q9:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_UpdateSettingValue_InputMessage">
        <wsdl:part name="parameters" element="tns:UpdateSettingValue" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_UpdateSettingValue_OutputMessage">
        <wsdl:part name="parameters" element="tns:UpdateSettingValueResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_UpdateSettingValue_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q10="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q10:BpmException" />

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</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetAnnotationSetting_InputMessage">
  <wsdl:part name="parameters" element="tns:GetAnnotationSetting" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetAnnotationSetting_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetAnnotationSettingResponse" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_GetAnnotationSetting_BpmExceptionFault_FaultMessage">
  <wsdl:part
xmlns:q11="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q11:BpmException" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetDependentElements_InputMessage">
  <wsdl:part name="parameters" element="tns:GetDependentElements" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetDependentElements_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetDependentElementsResponse" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_GetDependentElements_BpmExceptionFault_FaultMessage">
  <wsdl:part
xmlns:q12="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q12:BpmException" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetTreeMembersDataTable_InputMessage">
  <wsdl:part name="parameters" element="tns:GetTreeMembersDataTable" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetTreeMembersDataTable_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetTreeMembersDataTableResponse" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_RenderTreeMemberSelector_InputMessage">
  <wsdl:part name="parameters" element="tns:RenderTreeMemberSelector" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_RenderTreeMemberSelector_OutputMessage">
  <wsdl:part name="parameters" element="tns:RenderTreeMemberSelectorResponse" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetListItems_InputMessage">
  <wsdl:part name="parameters" element="tns:GetListItems" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetListItems_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetListItemsResponse" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_GetListItems_BpmExceptionFault_FaultMessage">
  <wsdl:part
xmlns:q13="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q13:BpmException" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_QueryTimeIntelligence_InputMessage">
  <wsdl:part name="parameters" element="tns:QueryTimeIntelligence" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_QueryTimeIntelligence_OutputMessage">
  <wsdl:part name="parameters" element="tns:QueryTimeIntelligenceResponse" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_QueryTimeIntelligence_BpmExceptionFault_FaultMessage">

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    <wsdl:part
xmlns:q14="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q14:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryTimeIntelligenceDirect_InputMessage">
    <wsdl:part name="parameters" element="tns:QueryTimeIntelligenceDirect" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryTimeIntelligenceDirect_OutputMessage">
    <wsdl:part name="parameters" element="tns:QueryTimeIntelligenceDirectResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryTimeIntelligenceDirect_BpmExceptionFault_FaultMess
age">
    <wsdl:part
xmlns:q15="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q15:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetRegisteredCustomFCOs_InputMessage">
    <wsdl:part name="parameters" element="tns:GetRegisteredCustomFCOs" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetRegisteredCustomFCOs_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetRegisteredCustomFCOsResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetRegisteredCustomFCOs_BpmExceptionFault_FaultMessage"
>
    <wsdl:part
xmlns:q16="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q16:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_CreateReportHtml_InputMessage">
    <wsdl:part name="parameters" element="tns:CreateReportHtml" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_CreateReportHtml_OutputMessage">
    <wsdl:part name="parameters" element="tns:CreateReportHtmlResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_CreateReportHtml_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q17="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q17:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_CreateNavigationMetadata_InputMessage">
    <wsdl:part name="parameters" element="tns:CreateNavigationMetadata" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_CreateNavigationMetadata_OutputMessage">
    <wsdl:part name="parameters" element="tns:CreateNavigationMetadataResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_CreateNavigationMetadata_BpmExceptionFault_FaultMessage
">
    <wsdl:part
xmlns:q18="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q18:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetFilterDependencies_InputMessage">
    <wsdl:part name="parameters" element="tns:GetFilterDependencies" />
    </wsdl:message>

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    <wsdl:message name="IBIMonitoringServiceApplication_GetFilterDependencies_OutputMessage">
      <wsdl:part name="parameters" element="tns:GetFilterDependenciesResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetFilterDependencies_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q19="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q19:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_RenderFilter_InputMessage">
      <wsdl:part name="parameters" element="tns:RenderFilter" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_RenderFilter_OutputMessage">
      <wsdl:part name="parameters" element="tns:RenderFilterResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_RenderFilter_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q20="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q20:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetReportDependencies_InputMessage">
      <wsdl:part name="parameters" element="tns:GetReportDependencies" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetReportDependencies_OutputMessage">
      <wsdl:part name="parameters" element="tns:GetReportDependenciesResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetReportDependencies_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q21="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q21:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_ReportSupportsExportFormat_InputMessage">
      <wsdl:part name="parameters" element="tns:ReportSupportsExportFormat" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_ReportSupportsExportFormat_OutputMessage">
      <wsdl:part name="parameters" element="tns:ReportSupportsExportFormatResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_ReportSupportsExportFormat_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q22="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q22:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_ExportReport_InputMessage">
      <wsdl:part name="parameters" element="tns:ExportReport" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_ExportReport_OutputMessage">
      <wsdl:part name="parameters" element="tns:ExportReportResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_ExportReport_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q23="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q23:BpmException" />
    </wsdl:message>

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    <wsdl:message
name="IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_InputMessage">
    <wsdl:part name="parameters" element="tns:ScorecardSupportsExportFormat" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_OutputMessage">
    <wsdl:part name="parameters" element="tns:ScorecardSupportsExportFormatResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_BpmExceptionFault_FaultMe
ssage">
    <wsdl:part
xmlns:q24="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q24:BpmException" />
    </wsdl:part>
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_ExportScorecard_InputMessage">
    <wsdl:part name="parameters" element="tns:ExportScorecard" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_ExportScorecard_OutputMessage">
    <wsdl:part name="parameters" element="tns:ExportScorecardResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_ExportScorecard_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q25="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q25:BpmException" />
    </wsdl:part>
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_RenderReport_InputMessage">
    <wsdl:part name="parameters" element="tns:RenderReport" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_RenderReport_OutputMessage">
    <wsdl:part name="parameters" element="tns:RenderReportResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_RenderReport_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q26="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q26:BpmException" />
    </wsdl:part>
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetScorecardDependencies_InputMessage">
    <wsdl:part name="parameters" element="tns:GetScorecardDependencies" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetScorecardDependencies_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetScorecardDependenciesResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetScorecardDependencies_BpmExceptionFault_FaultMessage
">
    <wsdl:part
xmlns:q27="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q27:BpmException" />
    </wsdl:part>
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_RenderScorecard_InputMessage">
    <wsdl:part name="parameters" element="tns:RenderScorecard" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_RenderScorecard_OutputMessage">
    <wsdl:part name="parameters" element="tns:RenderScorecardResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_RenderScorecard_BpmExceptionFault_FaultMessage">

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    <wsdl:part
xmlns:q28="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q28:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_RenderScorecardAjaxControl_InputMessage">
    <wsdl:part name="parameters" element="tns:RenderScorecardAjaxControl" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_RenderScorecardAjaxControl_OutputMessage">
    <wsdl:part name="parameters" element="tns:RenderScorecardAjaxControlResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_RenderScorecardAjaxControl_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q29="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q29:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetRenderControlPreview_InputMessage">
    <wsdl:part name="parameters" element="tns:GetRenderControlPreview" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetRenderControlPreview_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetRenderControlPreviewResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetRenderControlPreview_BpmExceptionFault_FaultMessage">
    </wsdl:message>
    <wsdl:part
xmlns:q30="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q30:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetDrillThroughPreview_InputMessage">
    <wsdl:part name="parameters" element="tns:GetDrillThroughPreview" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetDrillThroughPreview_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetDrillThroughPreviewResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetDrillThroughPreview_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q31="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q31:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_DecompStartAnalyze_InputMessage">
    <wsdl:part name="parameters" element="tns:DecompStartAnalyze" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_DecompStartAnalyze_OutputMessage">
    <wsdl:part name="parameters" element="tns:DecompStartAnalyzeResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_DecompStartAnalyze_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q32="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q32:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_DecompAutoExpand_InputMessage">
    <wsdl:part name="parameters" element="tns:DecompAutoExpand" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_DecompAutoExpand_OutputMessage">
    <wsdl:part name="parameters" element="tns:DecompAutoExpandResponse" />

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    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_DecompAutoExpand_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q33="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q33:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_DecompCreateNavigationList_InputMessage">
      <wsdl:part name="parameters" element="tns:DecompCreateNavigationList" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_DecompCreateNavigationList_OutputMessage">
      <wsdl:part name="parameters" element="tns:DecompCreateNavigationListResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_DecompCreateNavigationList_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q34="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q34:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_DecompGetMemberProperties_InputMessage">
      <wsdl:part name="parameters" element="tns:DecompGetMemberProperties" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_DecompGetMemberProperties_OutputMessage">
      <wsdl:part name="parameters" element="tns:DecompGetMemberPropertiesResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_DecompGetMemberProperties_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q35="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q35:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_DecompExpand_InputMessage">
      <wsdl:part name="parameters" element="tns:DecompExpand" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_DecompExpand_OutputMessage">
      <wsdl:part name="parameters" element="tns:DecompExpandResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_DecompExpand_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q36="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q36:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetReportViewImageData_InputMessage">
      <wsdl:part name="parameters" element="tns:GetReportViewImageData" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetReportViewImageData_OutputMessage">
      <wsdl:part name="parameters" element="tns:GetReportViewImageDataResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetReportViewImageData_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q37="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q37:BpmException" />
    </wsdl:message>

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<wsdl:message name="IBIMonitoringServiceApplication_GetAnnotation_InputMessage">
  <wsdl:part name="parameters" element="tns:GetAnnotation" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetAnnotation_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetAnnotationResponse" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_GetAnnotation_BpmExceptionFault_FaultMessage">
  <wsdl:part
xmlns:q38="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q38:BpmException" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetAnnotationByID_InputMessage">
  <wsdl:part name="parameters" element="tns:GetAnnotationByID" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetAnnotationByID_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetAnnotationByIDResponse" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_GetAnnotationByID_BpmExceptionFault_FaultMessage">
  <wsdl:part
xmlns:q39="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q39:BpmException" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_GetAllAnnotationsByScorecardLocation_InputMessage">
  <wsdl:part name="parameters" element="tns:GetAllAnnotationsByScorecardLocation" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_GetAllAnnotationsByScorecardLocation_OutputMessage">
  <wsdl:part name="parameters" element="tns:GetAllAnnotationsByScorecardLocationResponse"
/>
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_GetAllAnnotationsByScorecardLocation_BpmExceptionFault_
FaultMessage">
  <wsdl:part
xmlns:q40="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q40:BpmException" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_CreateAnnotation_InputMessage">
  <wsdl:part name="parameters" element="tns:CreateAnnotation" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_CreateAnnotation_OutputMessage">
  <wsdl:part name="parameters" element="tns:CreateAnnotationResponse" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_CreateAnnotation_BpmExceptionFault_FaultMessage">
  <wsdl:part
xmlns:q41="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q41:BpmException" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_UpdateAnnotation_InputMessage">
  <wsdl:part name="parameters" element="tns:UpdateAnnotation" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_UpdateAnnotation_OutputMessage">
  <wsdl:part name="parameters" element="tns:UpdateAnnotationResponse" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_UpdateAnnotation_BpmExceptionFault_FaultMessage">

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    <wsdl:part
xmlns:q42="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q42:BpmException" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_DeleteAnnotation_InputMessage">
    <wsdl:part name="parameters" element="tns>DeleteAnnotation" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_DeleteAnnotation_OutputMessage">
    <wsdl:part name="parameters" element="tns>DeleteAnnotationResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_DeleteAnnotation_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q43="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q43:BpmException" />
    </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_TrimAnnotationByScorecardLocation_InputMessage">
    <wsdl:part name="parameters" element="tns:TrimAnnotationByScorecardLocation" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_TrimAnnotationByScorecardLocation_OutputMessage">
    <wsdl:part name="parameters" element="tns:TrimAnnotationByScorecardLocationResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_TrimAnnotationByScorecardLocation_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q44="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q44:BpmException" />
    </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_TrimAnnotationByOwner_InputMessage">
    <wsdl:part name="parameters" element="tns:TrimAnnotationByOwner" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_TrimAnnotationByOwner_OutputMessage">
    <wsdl:part name="parameters" element="tns:TrimAnnotationByOwnerResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_TrimAnnotationByOwner_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q45="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q45:BpmException" />
    </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_TrimAnnotationUntouchedSince_InputMessage">
    <wsdl:part name="parameters" element="tns:TrimAnnotationUntouchedSince" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_TrimAnnotationUntouchedSince_OutputMessage">
    <wsdl:part name="parameters" element="tns:TrimAnnotationUntouchedSinceResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_TrimAnnotationUntouchedSince_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q46="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q46:BpmException" />
    </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_CreateDataSource_InputMessage">
    <wsdl:part name="parameters" element="tns>CreateDataSource" />
  </wsdl:message>

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    <wsdl:message name="IBIMonitoringServiceApplication_CreateDataSource_OutputMessage">
      <wsdl:part name="parameters" element="tns:CreateDataSourceResponse" />
    </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_CreateDataSource_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q47="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q47:BpmException" />
  </wsdl:part>
</wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_UpdateDataSource_InputMessage">
    <wsdl:part name="parameters" element="tns:UpdateDataSource" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_UpdateDataSource_OutputMessage">
    <wsdl:part name="parameters" element="tns:UpdateDataSourceResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_UpdateDataSource_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q48="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q48:BpmException" />
  </wsdl:part>
</wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_GetDataSource_InputMessage">
    <wsdl:part name="parameters" element="tns:GetDataSource" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_GetDataSource_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetDataSourceResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_GetDataSource_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q49="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q49:BpmException" />
  </wsdl:part>
</wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_GetMdx_InputMessage">
    <wsdl:part name="parameters" element="tns:GetMdx" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_GetMdx_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetMdxResponse" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_GetMdx_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q50="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q50:BpmException" />
  </wsdl:part>
</wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_SaveTemporaryAnalyticReport_InputMessage">
    <wsdl:part name="parameters" element="tns:SaveTemporaryAnalyticReport" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_SaveTemporaryAnalyticReport_OutputMessage">
    <wsdl:part name="parameters" element="tns:SaveTemporaryAnalyticReportResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_SaveTemporaryAnalyticReport_BpmExceptionFault_FaultMess
age">
    <wsdl:part
xmlns:q51="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q51:BpmException" />
  </wsdl:part>
</wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_InputMessage">

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    <wsdl:part name="parameters" element="tns:SaveTemporaryStrategyMapReport" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_OutputMessage">
    <wsdl:part name="parameters" element="tns:SaveTemporaryStrategyMapReportResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_BpmExceptionFault_FaultM
essage">
    <wsdl:part
xmlns:q52="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q52:BpmException" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_GetQueryResultMembers_InputMessage">
    <wsdl:part name="parameters" element="tns:GetQueryResultMembers" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_GetQueryResultMembers_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetQueryResultMembersResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_GetQueryResultMembers_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q53="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q53:BpmException" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_GetDatabaseNamesFromDataSource_InputMessage">
    <wsdl:part name="parameters" element="tns:GetDatabaseNamesFromDataSource" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_GetDatabaseNamesFromDataSource_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetDatabaseNamesFromDataSourceResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_GetDatabaseNamesFromDataSource_BpmExceptionFault_FaultM
essage">
    <wsdl:part
xmlns:q54="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q54:BpmException" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_GetPreviewDataSet_InputMessage">
    <wsdl:part name="parameters" element="tns:GetPreviewDataSet" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_GetPreviewDataSet_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetPreviewDataSetResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_GetPreviewDataSet_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q55="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q55:BpmException" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_GetCubeNameInfos_InputMessage">
    <wsdl:part name="parameters" element="tns:GetCubeNameInfos" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_GetCubeNameInfos_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetCubeNameInfosResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_GetCubeNameInfos_BpmExceptionFault_FaultMessage">

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    <wsdl:part
xmlns:q56="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q56:BpmException" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_GetCubeMetaData_InputMessage">
    <wsdl:part name="parameters" element="tns:GetCubeMetaData" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_GetCubeMetaData_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetCubeMetaDataResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_GetCubeMetaData_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q57="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q57:BpmException" />
    </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_GetCubeMetaDataForDataSource_InputMessage">
    <wsdl:part name="parameters" element="tns:GetCubeMetaDataForDataSource" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_GetCubeMetaDataForDataSource_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetCubeMetaDataForDataSourceResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_GetCubeMetaDataForDataSource_BpmExceptionFault_FaultMes
sage">
    <wsdl:part
xmlns:q58="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q58:BpmException" />
    </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_TestConnection_InputMessage">
    <wsdl:part name="parameters" element="tns:TestConnection" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_TestConnection_OutputMessage">
    <wsdl:part name="parameters" element="tns:TestConnectionResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_TestConnection_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q59="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q59:BpmException" />
    </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_GetDimensions_InputMessage">
    <wsdl:part name="parameters" element="tns:GetDimensions" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_GetDimensions_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetDimensionsResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_GetDimensions_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q60="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q60:BpmException" />
    </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_GetDimensionsFromDataSource_InputMessage">
    <wsdl:part name="parameters" element="tns:GetDimensionsFromDataSource" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_GetDimensionsFromDataSource_OutputMessage">

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        <wsdl:part name="parameters" element="tns:GetDimensionsFromDataSourceResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetDimensionsFromDataSource_BpmExceptionFault_FaultMess
age">
        <wsdl:part
xmlns:q61="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q61:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetCube_InputMessage">
        <wsdl:part name="parameters" element="tns:GetCube" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetCube_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetCubeResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetCube_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q62="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q62:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetCubeFromDataSource_InputMessage">
        <wsdl:part name="parameters" element="tns:GetCubeFromDataSource" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetCubeFromDataSource_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetCubeFromDataSourceResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetCubeFromDataSource_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q63="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q63:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryDimensionRootMembers_InputMessage">
        <wsdl:part name="parameters" element="tns:QueryDimensionRootMembers" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryDimensionRootMembers_OutputMessage">
        <wsdl:part name="parameters" element="tns:QueryDimensionRootMembersResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryDimensionRootMembers_BpmExceptionFault_FaultMessag
e">
        <wsdl:part
xmlns:q64="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q64:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryDimensionRootMembersFromDataSource_InputMessage">
        <wsdl:part name="parameters" element="tns:QueryDimensionRootMembersFromDataSource" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryDimensionRootMembersFromDataSource_OutputMessage">
        <wsdl:part name="parameters"
element="tns:QueryDimensionRootMembersFromDataSourceResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryDimensionRootMembersFromDataSource_BpmExceptionFau
lt_FaultMessage">

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    <wsdl:part
xmlns:q65="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q65:BpmException" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_QueryTransformMembers_InputMessage">
    <wsdl:part name="parameters" element="tns:QueryTransformMembers" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_QueryTransformMembers_OutputMessage">
    <wsdl:part name="parameters" element="tns:QueryTransformMembersResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_QueryTransformMembers_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q66="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q66:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_QueryChildMembers_InputMessage">
      <wsdl:part name="parameters" element="tns:QueryChildMembers" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_QueryChildMembers_OutputMessage">
      <wsdl:part name="parameters" element="tns:QueryChildMembersResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryChildMembers_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q67="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q67:BpmException" />
      </wsdl:message>
      <wsdl:message
name="IBIMonitoringServiceApplication_QueryChildMembersFromDataSource_InputMessage">
        <wsdl:part name="parameters" element="tns:QueryChildMembersFromDataSource" />
      </wsdl:message>
      <wsdl:message
name="IBIMonitoringServiceApplication_QueryChildMembersFromDataSource_OutputMessage">
        <wsdl:part name="parameters" element="tns:QueryChildMembersFromDataSourceResponse" />
      </wsdl:message>
      <wsdl:message
name="IBIMonitoringServiceApplication_QueryChildMembersFromDataSource_BpmExceptionFault_Fault
Message">
        <wsdl:part
xmlns:q68="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q68:BpmException" />
        </wsdl:message>
        <wsdl:message
name="IBIMonitoringServiceApplication_QueryChildMembersByRangeFromDataSource_InputMessage">
          <wsdl:part name="parameters" element="tns:QueryChildMembersByRangeFromDataSource" />
        </wsdl:message>
        <wsdl:message
name="IBIMonitoringServiceApplication_QueryChildMembersByRangeFromDataSource_OutputMessage">
          <wsdl:part name="parameters" element="tns:QueryChildMembersByRangeFromDataSourceResponse"
/>
        </wsdl:message>
        <wsdl:message
name="IBIMonitoringServiceApplication_QueryChildMembersByRangeFromDataSource_BpmExceptionFaul
t_FaultMessage">
          <wsdl:part
xmlns:q69="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q69:BpmException" />
          </wsdl:message>
          <wsdl:message name="IBIMonitoringServiceApplication_QueryRelatedMember_InputMessage">
            <wsdl:part name="parameters" element="tns:QueryRelatedMember" />
          </wsdl:message>

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</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_QueryRelatedMember_OutputMessage">
  <wsdl:part name="parameters" element="tns:QueryRelatedMemberResponse" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_QueryRelatedMember_BpmExceptionFault_FaultMessage">
  <wsdl:part
xmlns:q70="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q70:BpmException" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_QueryRelatedMemberFromDataSource_InputMessage">
  <wsdl:part name="parameters" element="tns:QueryRelatedMemberFromDataSource" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_QueryRelatedMemberFromDataSource_OutputMessage">
  <wsdl:part name="parameters" element="tns:QueryRelatedMemberFromDataSourceResponse" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_QueryRelatedMemberFromDataSource_BpmExceptionFault_FaultMessage">
  <wsdl:part
xmlns:q71="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q71:BpmException" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_QueryNamedSets_InputMessage">
  <wsdl:part name="parameters" element="tns:QueryNamedSets" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_QueryNamedSets_OutputMessage">
  <wsdl:part name="parameters" element="tns:QueryNamedSetsResponse" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_QueryNamedSets_BpmExceptionFault_FaultMessage">
  <wsdl:part
xmlns:q72="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q72:BpmException" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_QueryNamedSetsFromDataSource_InputMessage">
  <wsdl:part name="parameters" element="tns:QueryNamedSetsFromDataSource" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_QueryNamedSetsFromDataSource_OutputMessage">
  <wsdl:part name="parameters" element="tns:QueryNamedSetsFromDataSourceResponse" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_QueryNamedSetsFromDataSource_BpmExceptionFault_FaultMessage">
  <wsdl:part
xmlns:q73="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q73:BpmException" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_ValidateKpi_InputMessage">
  <wsdl:part name="parameters" element="tns:ValidateKpi" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_ValidateKpi_OutputMessage">
  <wsdl:part name="parameters" element="tns:ValidateKpiResponse" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_ValidateKpi_BpmExceptionFault_FaultMessage">

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    <wsdl:part
xmlns:q74="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q74:BpmException" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_ValidateScorecard_InputMessage">
    <wsdl:part name="parameters" element="tns:ValidateScorecard" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_ValidateScorecard_OutputMessage">
    <wsdl:part name="parameters" element="tns:ValidateScorecardResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_ValidateScorecard_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q75="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q75:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_ValidateSiteCollection_InputMessage">
      <wsdl:part name="parameters" element="tns:ValidateSiteCollection" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_ValidateSiteCollection_OutputMessage">
      <wsdl:part name="parameters" element="tns:ValidateSiteCollectionResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_ValidateSiteCollection_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q76="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q76:BpmException" />
      </wsdl:message>
      <wsdl:message name="IBIMonitoringServiceApplication_MaintenanceJob_InputMessage">
        <wsdl:part name="parameters" element="tns:MaintenanceJob" />
      </wsdl:message>
      <wsdl:message name="IBIMonitoringServiceApplication_MaintenanceJob_OutputMessage">
        <wsdl:part name="parameters" element="tns:MaintenanceJobResponse" />
      </wsdl:message>
      <wsdl:message
name="IBIMonitoringServiceApplication_MaintenanceJob_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q77="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q77:BpmException" />
        </wsdl:message>
        <wsdl:message name="IBIMonitoringServiceApplication_GenerateView_InputMessage">
          <wsdl:part name="parameters" element="tns:GenerateView" />
        </wsdl:message>
        <wsdl:message name="IBIMonitoringServiceApplication_GenerateView_OutputMessage">
          <wsdl:part name="parameters" element="tns:GenerateViewResponse" />
        </wsdl:message>
        <wsdl:message
name="IBIMonitoringServiceApplication_GenerateView_BpmExceptionFault_FaultMessage">
          <wsdl:part
xmlns:q78="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q78:BpmException" />
          </wsdl:message>
          <wsdl:message name="IBIMonitoringServiceApplication_GenerateViewDirect_InputMessage">
            <wsdl:part name="parameters" element="tns:GenerateViewDirect" />
          </wsdl:message>
          <wsdl:message name="IBIMonitoringServiceApplication_GenerateViewDirect_OutputMessage">
            <wsdl:part name="parameters" element="tns:GenerateViewDirectResponse" />
          </wsdl:message>
          <wsdl:message
name="IBIMonitoringServiceApplication_GenerateViewDirect_BpmExceptionFault_FaultMessage">

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    <wsdl:part
xmlns:q79="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q79:BpmException" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_GetAsKpis_InputMessage">
    <wsdl:part name="parameters" element="tns:GetAsKpis" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_GetAsKpis_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetAsKpisResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_GetAsKpis_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q80="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q80:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetParameterDisplayData_InputMessage">
      <wsdl:part name="parameters" element="tns:GetParameterDisplayData" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetParameterDisplayData_OutputMessage">
      <wsdl:part name="parameters" element="tns:GetParameterDisplayDataResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetParameterDisplayData_BpmExceptionFault_FaultMessage"
>
      <wsdl:part
xmlns:q81="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q81:BpmException" />
      </wsdl:message>
      <wsdl:message name="IBIMonitoringServiceApplication_GetFilterDisplayData_InputMessage">
        <wsdl:part name="parameters" element="tns:GetFilterDisplayData" />
      </wsdl:message>
      <wsdl:message name="IBIMonitoringServiceApplication_GetFilterDisplayData_OutputMessage">
        <wsdl:part name="parameters" element="tns:GetFilterDisplayDataResponse" />
      </wsdl:message>
      <wsdl:message
name="IBIMonitoringServiceApplication_GetFilterDisplayData_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q82="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q82:BpmException" />
        </wsdl:message>
        <wsdl:message name="IBIMonitoringServiceApplication_GetParameterMessageData_InputMessage">
          <wsdl:part name="parameters" element="tns:GetParameterMessageData" />
        </wsdl:message>
        <wsdl:message name="IBIMonitoringServiceApplication_GetParameterMessageData_OutputMessage">
          <wsdl:part name="parameters" element="tns:GetParameterMessageDataResponse" />
        </wsdl:message>
        <wsdl:message
name="IBIMonitoringServiceApplication_GetParameterMessageData_BpmExceptionFault_FaultMessage"
>
          <wsdl:part
xmlns:q83="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q83:BpmException" />
          </wsdl:message>
          <wsdl:portType name="IBIMonitoringServiceApplication">
            <wsdl:operation name="DeleteDataSource">
              <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DeleteDataSource"
message="tns:IBIMonitoringServiceApplication_DeleteDataSource_InputMessage" />

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        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DeleteDataSourceResponse"
message="tns:IBIMonitoringServiceApplication_DeleteDataSource_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DeleteDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_DeleteDataSource_BpmExceptionFault_FaultMessage"
/>
        </wsdl:operation>
        <wsdl:operation name="SaveFilterValues">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveFilterValues"
message="tns:IBIMonitoringServiceApplication_SaveFilterValues_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveFilterValuesResponse"
message="tns:IBIMonitoringServiceApplication_SaveFilterValues_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveFilterValuesBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_SaveFilterValues_BpmExceptionFault_FaultMessage"
/>
        </wsdl:operation>
        <wsdl:operation name="GetKpisFromScorecard">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetKpisFromScorecard"
message="tns:IBIMonitoringServiceApplication_GetKpisFromScorecard_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetKpisFromScorecardResponse"
message="tns:IBIMonitoringServiceApplication_GetKpisFromScorecard_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetKpisFromScorecardBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetKpisFromScorecard_BpmExceptionFault_FaultMes
sage" />
        </wsdl:operation>
        <wsdl:operation name="GetAnalyticReportView">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnalyticReportView"
message="tns:IBIMonitoringServiceApplication_GetAnalyticReportView_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnalyticReportViewResponse"
message="tns:IBIMonitoringServiceApplication_GetAnalyticReportView_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnalyticReportViewBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetAnalyticReportView_BpmExceptionFault_FaultMes
sage" />
        </wsdl:operation>
        <wsdl:operation name="GetStrategyMapReportView">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetStrategyMapReportView"
message="tns:IBIMonitoringServiceApplication_GetStrategyMapReportView_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica

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tion/GetStrategyMapReportViewResponse"
message="tns:IBIMonitoringServiceApplication_GetStrategyMapReportView_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetStrategyMapReportViewBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetStrategyMapReportView_BpmExceptionFault_Fault
Message" />
  </wsdl:operation>
  <wsdl:operation name="GetLatestAnalyticReportVersion">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetLatestAnalyticReportVersion"
message="tns:IBIMonitoringServiceApplication_GetLatestAnalyticReportVersion_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetLatestAnalyticReportVersionResponse"
message="tns:IBIMonitoringServiceApplication_GetLatestAnalyticReportVersion_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetLatestAnalyticReportVersionBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetLatestAnalyticReportVersion_BpmExceptionFault
_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetSettings">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetSettings" message="tns:IBIMonitoringServiceApplication_GetSettings_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetSettingsResponse"
message="tns:IBIMonitoringServiceApplication_GetSettings_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetSettingsBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetSettings_BpmExceptionFault_FaultMessage" />
      </wsdl:operation>
      <wsdl:operation name="GetSetting">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetSetting" message="tns:IBIMonitoringServiceApplication_GetSetting_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetSettingResponse"
message="tns:IBIMonitoringServiceApplication_GetSetting_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetSettingBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetSetting_BpmExceptionFault_FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="GetSettingValue">
          <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetSettingValue"
message="tns:IBIMonitoringServiceApplication_GetSettingValue_InputMessage" />
          <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetSettingValueResponse"
message="tns:IBIMonitoringServiceApplication_GetSettingValue_OutputMessage" />
          <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetSettingValueBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetSettingValue_BpmExceptionFault_FaultMessage"
/>
          </wsdl:operation>
        </wsdl:operation>
      </wsdl:operation>
    </wsdl:operation>
  </wsdl:operation>

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    <wsdl:operation name="UpdateSettingValue">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/UpdateSettingValue"
message="tns:IBIMonitoringServiceApplication_UpdateSettingValue_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/UpdateSettingValueResponse"
message="tns:IBIMonitoringServiceApplication_UpdateSettingValue_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/UpdateSettingValueBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_UpdateSettingValue_BpmExceptionFault_FaultMessag
e" />
    </wsdl:operation>
    <wsdl:operation name="GetAnnotationSetting">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnnotationSetting"
message="tns:IBIMonitoringServiceApplication_GetAnnotationSetting_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnnotationSettingResponse"
message="tns:IBIMonitoringServiceApplication_GetAnnotationSetting_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnnotationSettingBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetAnnotationSetting_BpmExceptionFault_FaultMess
age" />
    </wsdl:operation>
    <wsdl:operation name="GetDependentElements">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDependentElements"
message="tns:IBIMonitoringServiceApplication_GetDependentElements_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDependentElementsResponse"
message="tns:IBIMonitoringServiceApplication_GetDependentElements_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDependentElementsBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetDependentElements_BpmExceptionFault_FaultMess
age" />
    </wsdl:operation>
    <wsdl:operation name="GetTreeMembersDataTable">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetTreeMembersDataTable"
message="tns:IBIMonitoringServiceApplication_GetTreeMembersDataTable_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetTreeMembersDataTableResponse"
message="tns:IBIMonitoringServiceApplication_GetTreeMembersDataTable_OutputMessage" />
    </wsdl:operation>
    <wsdl:operation name="RenderTreeMemberSelector">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderTreeMemberSelector"
message="tns:IBIMonitoringServiceApplication_RenderTreeMemberSelector_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica

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tion/RenderTreeMemberSelectorResponse"
message="tns:IBIMonitoringServiceApplication_RenderTreeMemberSelector_OutputMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetListItems">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetListItems" message="tns:IBIMonitoringServiceApplication_GetListItems_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetListItemsResponse"
message="tns:IBIMonitoringServiceApplication_GetListItems_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetListItemsBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetListItems_BpmExceptionFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="QueryTimeIntelligence">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryTimeIntelligence"
message="tns:IBIMonitoringServiceApplication_QueryTimeIntelligence_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryTimeIntelligenceResponse"
message="tns:IBIMonitoringServiceApplication_QueryTimeIntelligence_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryTimeIntelligenceBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_QueryTimeIntelligence_BpmExceptionFault_FaultMes
sage" />
      </wsdl:operation>
      <wsdl:operation name="QueryTimeIntelligenceDirect">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryTimeIntelligenceDirect"
message="tns:IBIMonitoringServiceApplication_QueryTimeIntelligenceDirect_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryTimeIntelligenceDirectResponse"
message="tns:IBIMonitoringServiceApplication_QueryTimeIntelligenceDirect_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryTimeIntelligenceDirectBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_QueryTimeIntelligenceDirect_BpmExceptionFault_Fa
ultMessage" />
        </wsdl:operation>
        <wsdl:operation name="GetRegisteredCustomFCOs">
          <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetRegisteredCustomFCOs"
message="tns:IBIMonitoringServiceApplication_GetRegisteredCustomFCOs_InputMessage" />
          <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetRegisteredCustomFCOsResponse"
message="tns:IBIMonitoringServiceApplication_GetRegisteredCustomFCOs_OutputMessage" />
          <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetRegisteredCustomFCOsBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetRegisteredCustomFCOs_BpmExceptionFault_FaultM
essage" />
          </wsdl:operation>
          <wsdl:operation name="CreateReportHtml">

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        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateReportHtml"
message="tns:IBIMonitoringServiceApplication_CreateReportHtml_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateReportHtmlResponse"
message="tns:IBIMonitoringServiceApplication_CreateReportHtml_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateReportHtmlBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_CreateReportHtml_BpmExceptionFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="CreateNavigationMetadata">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateNavigationMetadata"
message="tns:IBIMonitoringServiceApplication_CreateNavigationMetadata_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateNavigationMetadataResponse"
message="tns:IBIMonitoringServiceApplication_CreateNavigationMetadata_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateNavigationMetadataBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_CreateNavigationMetadata_BpmExceptionFault_Fault
Message" />
    </wsdl:operation>
    <wsdl:operation name="GetFilterDependencies">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetFilterDependencies"
message="tns:IBIMonitoringServiceApplication_GetFilterDependencies_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetFilterDependenciesResponse"
message="tns:IBIMonitoringServiceApplication_GetFilterDependencies_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetFilterDependenciesBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetFilterDependencies_BpmExceptionFault_FaultMes
sage" />
    </wsdl:operation>
    <wsdl:operation name="RenderFilter">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderFilter" message="tns:IBIMonitoringServiceApplication_RenderFilter_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderFilterResponse"
message="tns:IBIMonitoringServiceApplication_RenderFilter_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderFilterBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_RenderFilter_BpmExceptionFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetReportDependencies">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetReportDependencies"
message="tns:IBIMonitoringServiceApplication_GetReportDependencies_InputMessage" />

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    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetReportDependenciesResponse"
message="tns:IBIMonitoringServiceApplication_GetReportDependencies_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetReportDependenciesBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetReportDependencies_BpmExceptionFault_FaultMes
sage" />
    </wsdl:operation>
    <wsdl:operation name="ReportSupportsExportFormat">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ReportSupportsExportFormat"
message="tns:IBIMonitoringServiceApplication_ReportSupportsExportFormat_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ReportSupportsExportFormatResponse"
message="tns:IBIMonitoringServiceApplication_ReportSupportsExportFormat_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ReportSupportsExportFormatBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_ReportSupportsExportFormat_BpmExceptionFault_Fau
ltMessage" />
    </wsdl:operation>
    <wsdl:operation name="ExportReport">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ExportReport" message="tns:IBIMonitoringServiceApplication_ExportReport_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ExportReportResponse"
message="tns:IBIMonitoringServiceApplication_ExportReport_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ExportReportBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_ExportReport_BpmExceptionFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="ScorecardSupportsExportFormat">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ScorecardSupportsExportFormat"
message="tns:IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ScorecardSupportsExportFormatResponse"
message="tns:IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ScorecardSupportsExportFormatBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_BpmExceptionFault_
FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="ExportScorecard">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ExportScorecard"
message="tns:IBIMonitoringServiceApplication_ExportScorecard_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ExportScorecardResponse"
message="tns:IBIMonitoringServiceApplication_ExportScorecard_OutputMessage" />

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    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ExportScorecardBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_ExportScorecard_BpmExceptionFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="RenderReport">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderReport" message="tns:IBIMonitoringServiceApplication_RenderReport_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderReportResponse"
message="tns:IBIMonitoringServiceApplication_RenderReport_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderReportBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_RenderReport_BpmExceptionFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetScorecardDependencies">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetScorecardDependencies"
message="tns:IBIMonitoringServiceApplication_GetScorecardDependencies_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetScorecardDependenciesResponse"
message="tns:IBIMonitoringServiceApplication_GetScorecardDependencies_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetScorecardDependenciesBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetScorecardDependencies_BpmExceptionFault_Fault
Message" />
    </wsdl:operation>
    <wsdl:operation name="RenderScorecard">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderScorecard"
message="tns:IBIMonitoringServiceApplication_RenderScorecard_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderScorecardResponse"
message="tns:IBIMonitoringServiceApplication_RenderScorecard_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderScorecardBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_RenderScorecard_BpmExceptionFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="RenderScorecardAjaxControl">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderScorecardAjaxControl"
message="tns:IBIMonitoringServiceApplication_RenderScorecardAjaxControl_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderScorecardAjaxControlResponse"
message="tns:IBIMonitoringServiceApplication_RenderScorecardAjaxControl_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderScorecardAjaxControlBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_RenderScorecardAjaxControl_BpmExceptionFault_Fau
ltMessage" />

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    </wsdl:operation>
    <wsdl:operation name="GetRenderControlPreview">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetRenderControlPreview"
message="tns:IBIMonitoringServiceApplication_GetRenderControlPreview_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetRenderControlPreviewResponse"
message="tns:IBIMonitoringServiceApplication_GetRenderControlPreview_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetRenderControlPreviewBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetRenderControlPreview_BpmExceptionFault_FaultM
essage" />
    </wsdl:operation>
    <wsdl:operation name="GetDrillThroughPreview">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDrillThroughPreview"
message="tns:IBIMonitoringServiceApplication_GetDrillThroughPreview_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDrillThroughPreviewResponse"
message="tns:IBIMonitoringServiceApplication_GetDrillThroughPreview_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDrillThroughPreviewBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetDrillThroughPreview_BpmExceptionFault_FaultMe
ssage" />
    </wsdl:operation>
    <wsdl:operation name="DecompStartAnalyze">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompStartAnalyze"
message="tns:IBIMonitoringServiceApplication_DecompStartAnalyze_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompStartAnalyzeResponse"
message="tns:IBIMonitoringServiceApplication_DecompStartAnalyze_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompStartAnalyzeBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_DecompStartAnalyze_BpmExceptionFault_FaultMessag
e" />
    </wsdl:operation>
    <wsdl:operation name="DecompAutoExpand">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompAutoExpand"
message="tns:IBIMonitoringServiceApplication_DecompAutoExpand_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompAutoExpandResponse"
message="tns:IBIMonitoringServiceApplication_DecompAutoExpand_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompAutoExpandBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_DecompAutoExpand_BpmExceptionFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="DecompCreateNavigationList">

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    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompCreateNavigationList"
message="tns:IBIMonitoringServiceApplication_DecompCreateNavigationList_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompCreateNavigationListResponse"
message="tns:IBIMonitoringServiceApplication_DecompCreateNavigationList_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompCreateNavigationListBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_DecompCreateNavigationList_BpmExceptionFault_Fau
ltMessage" />
    </wsdl:operation>
    <wsdl:operation name="DecompGetMemberProperties">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompGetMemberProperties"
message="tns:IBIMonitoringServiceApplication_DecompGetMemberProperties_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompGetMemberPropertiesResponse"
message="tns:IBIMonitoringServiceApplication_DecompGetMemberProperties_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompGetMemberPropertiesBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_DecompGetMemberProperties_BpmExceptionFault_Faul
tMessage" />
    </wsdl:operation>
    <wsdl:operation name="DecompExpand">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompExpand" message="tns:IBIMonitoringServiceApplication_DecompExpand_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompExpandResponse"
message="tns:IBIMonitoringServiceApplication_DecompExpand_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompExpandBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_DecompExpand_BpmExceptionFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetReportViewImageData">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetReportViewImageData"
message="tns:IBIMonitoringServiceApplication_GetReportViewImageData_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetReportViewImageDataResponse"
message="tns:IBIMonitoringServiceApplication_GetReportViewImageData_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetReportViewImageDataBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetReportViewImageData_BpmExceptionFault_FaultMe
ssage" />
    </wsdl:operation>
    <wsdl:operation name="GetAnnotation">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnnotation" message="tns:IBIMonitoringServiceApplication_GetAnnotation_InputMessage"
/>
    />

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    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnnotationResponse"
message="tns:IBIMonitoringServiceApplication_GetAnnotation_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnnotationBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetAnnotation_BpmExceptionFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetAnnotationByID">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnnotationByID"
message="tns:IBIMonitoringServiceApplication_GetAnnotationByID_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnnotationByIDResponse"
message="tns:IBIMonitoringServiceApplication_GetAnnotationByID_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnnotationByIDBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetAnnotationByID_BpmExceptionFault_FaultMessage
" />
    </wsdl:operation>
    <wsdl:operation name="GetAllAnnotationsByScorecardLocation">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAllAnnotationsByScorecardLocation"
message="tns:IBIMonitoringServiceApplication_GetAllAnnotationsByScorecardLocation_InputMessag
e" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAllAnnotationsByScorecardLocationResponse"
message="tns:IBIMonitoringServiceApplication_GetAllAnnotationsByScorecardLocation_OutputMessa
ge" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAllAnnotationsByScorecardLocationBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetAllAnnotationsByScorecardLocation_BpmExceptio
nFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="CreateAnnotation">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateAnnotation"
message="tns:IBIMonitoringServiceApplication_CreateAnnotation_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateAnnotationResponse"
message="tns:IBIMonitoringServiceApplication_CreateAnnotation_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateAnnotationBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_CreateAnnotation_BpmExceptionFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="UpdateAnnotation">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/UpdateAnnotation"
message="tns:IBIMonitoringServiceApplication_UpdateAnnotation_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica

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tion/UpdateAnnotationResponse"
message="tns:IBIMonitoringServiceApplication_UpdateAnnotation_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/UpdateAnnotationBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_UpdateAnnotation_BpmExceptionFault_FaultMessage"
/>
  </wsdl:operation>
  <wsdl:operation name="DeleteAnnotation">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DeleteAnnotation"
message="tns:IBIMonitoringServiceApplication_DeleteAnnotation_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DeleteAnnotationResponse"
message="tns:IBIMonitoringServiceApplication_DeleteAnnotation_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DeleteAnnotationBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_DeleteAnnotation_BpmExceptionFault_FaultMessage"
/>
  </wsdl:operation>
  <wsdl:operation name="TrimAnnotationByScorecardLocation">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TrimAnnotationByScorecardLocation"
message="tns:IBIMonitoringServiceApplication_TrimAnnotationByScorecardLocation_InputMessage"
/>
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TrimAnnotationByScorecardLocationResponse"
message="tns:IBIMonitoringServiceApplication_TrimAnnotationByScorecardLocation_OutputMessage"
/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TrimAnnotationByScorecardLocationBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_TrimAnnotationByScorecardLocation_BpmExceptionFa
ult_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="TrimAnnotationByOwner">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TrimAnnotationByOwner"
message="tns:IBIMonitoringServiceApplication_TrimAnnotationByOwner_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TrimAnnotationByOwnerResponse"
message="tns:IBIMonitoringServiceApplication_TrimAnnotationByOwner_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TrimAnnotationByOwnerBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_TrimAnnotationByOwner_BpmExceptionFault_FaultMes
sage" />
  </wsdl:operation>
  <wsdl:operation name="TrimAnnotationUntouchedSince">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TrimAnnotationUntouchedSince"
message="tns:IBIMonitoringServiceApplication_TrimAnnotationUntouchedSince_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TrimAnnotationUntouchedSinceResponse"
message="tns:IBIMonitoringServiceApplication_TrimAnnotationUntouchedSince_OutputMessage" />

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TrimAnnotationUntouchedSinceBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_TrimAnnotationUntouchedSince_BpmExceptionFault_F
aultMessage" />
        </wsdl:operation>
        <wsdl:operation name="CreateDataSource">
            <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateDataSource"
message="tns:IBIMonitoringServiceApplication_CreateDataSource_InputMessage" />
            <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateDataSourceResponse"
message="tns:IBIMonitoringServiceApplication_CreateDataSource_OutputMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_CreateDataSource_BpmExceptionFault_FaultMessage"
/>
            </wsdl:operation>
            <wsdl:operation name="UpdateDataSource">
                <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/UpdateDataSource"
message="tns:IBIMonitoringServiceApplication_UpdateDataSource_InputMessage" />
                <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/UpdateDataSourceResponse"
message="tns:IBIMonitoringServiceApplication_UpdateDataSource_OutputMessage" />
                <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/UpdateDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_UpdateDataSource_BpmExceptionFault_FaultMessage"
/>
                </wsdl:operation>
                <wsdl:operation name="GetDataSource">
                    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDataSource" message="tns:IBIMonitoringServiceApplication_GetDataSource_InputMessage"
/>
                    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDataSourceResponse"
message="tns:IBIMonitoringServiceApplication_GetDataSource_OutputMessage" />
                    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetDataSource_BpmExceptionFault_FaultMessage" />
                    </wsdl:operation>
                    <wsdl:operation name="GetMdx">
                        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetMdx" message="tns:IBIMonitoringServiceApplication_GetMdx_InputMessage" />
                        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetMdxResponse" message="tns:IBIMonitoringServiceApplication_GetMdx_OutputMessage" />
                        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetMdxBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetMdx_BpmExceptionFault_FaultMessage" />
                        </wsdl:operation>
                    <wsdl:operation name="SaveTemporaryAnalyticReport">

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    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveTemporaryAnalyticReport"
message="tns:IBIMonitoringServiceApplication_SaveTemporaryAnalyticReport_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveTemporaryAnalyticReportResponse"
message="tns:IBIMonitoringServiceApplication_SaveTemporaryAnalyticReport_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveTemporaryAnalyticReportBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_SaveTemporaryAnalyticReport_BpmExceptionFault_Fa
ultMessage" />
    </wsdl:operation>
    <wsdl:operation name="SaveTemporaryStrategyMapReport">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveTemporaryStrategyMapReport"
message="tns:IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveTemporaryStrategyMapReportResponse"
message="tns:IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveTemporaryStrategyMapReportBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_BpmExceptionFault
_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetQueryResultMembers">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetQueryResultMembers"
message="tns:IBIMonitoringServiceApplication_GetQueryResultMembers_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetQueryResultMembersResponse"
message="tns:IBIMonitoringServiceApplication_GetQueryResultMembers_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetQueryResultMembersBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetQueryResultMembers_BpmExceptionFault_FaultMes
sage" />
    </wsdl:operation>
    <wsdl:operation name="GetDatabaseNamesFromDataSource">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDatabaseNamesFromDataSource"
message="tns:IBIMonitoringServiceApplication_GetDatabaseNamesFromDataSource_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDatabaseNamesFromDataSourceResponse"
message="tns:IBIMonitoringServiceApplication_GetDatabaseNamesFromDataSource_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDatabaseNamesFromDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetDatabaseNamesFromDataSource_BpmExceptionFault
_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetPreviewDataSet">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica

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tion/GetPreviewDataSet"
message="tns:IBIMonitoringServiceApplication_GetPreviewDataSet_InputMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetPreviewDataSetResponse"
message="tns:IBIMonitoringServiceApplication_GetPreviewDataSet_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetPreviewDataSetBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetPreviewDataSet_BpmExceptionFault_FaultMessage
" />
  </wsdl:operation>
  <wsdl:operation name="GetCubeNameInfos">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeNameInfos"
message="tns:IBIMonitoringServiceApplication_GetCubeNameInfos_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeNameInfosResponse"
message="tns:IBIMonitoringServiceApplication_GetCubeNameInfos_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeNameInfosBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetCubeNameInfos_BpmExceptionFault_FaultMessage"
/>
  </wsdl:operation>
  <wsdl:operation name="GetCubeMetaData">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeMetaData"
message="tns:IBIMonitoringServiceApplication_GetCubeMetaData_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeMetaDataResponse"
message="tns:IBIMonitoringServiceApplication_GetCubeMetaData_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeMetaDataBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetCubeMetaData_BpmExceptionFault_FaultMessage"
/>
  </wsdl:operation>
  <wsdl:operation name="GetCubeMetaDataForDataSource">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeMetaDataForDataSource"
message="tns:IBIMonitoringServiceApplication_GetCubeMetaDataForDataSource_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeMetaDataForDataSourceResponse"
message="tns:IBIMonitoringServiceApplication_GetCubeMetaDataForDataSource_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeMetaDataForDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetCubeMetaDataForDataSource_BpmExceptionFault_F
aultMessage" />
  </wsdl:operation>
  <wsdl:operation name="TestConnection">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TestConnection"
message="tns:IBIMonitoringServiceApplication_TestConnection_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica

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tion/TestConnectionResponse"
message="tns:IBIMonitoringServiceApplication_TestConnection_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TestConnectionBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_TestConnection_BpmExceptionFault_FaultMessage"
/>
  </wsdl:operation>
  <wsdl:operation name="GetDimensions">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDimensions" message="tns:IBIMonitoringServiceApplication_GetDimensions_InputMessage"
/>
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDimensionsResponse"
message="tns:IBIMonitoringServiceApplication_GetDimensions_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDimensionsBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetDimensions_BpmExceptionFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetDimensionsFromDataSource">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDimensionsFromDataSource"
message="tns:IBIMonitoringServiceApplication_GetDimensionsFromDataSource_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDimensionsFromDataSourceResponse"
message="tns:IBIMonitoringServiceApplication_GetDimensionsFromDataSource_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDimensionsFromDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetDimensionsFromDataSource_BpmExceptionFault_Fa
ultMessage" />
      </wsdl:operation>
      <wsdl:operation name="GetCube">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCube" message="tns:IBIMonitoringServiceApplication_GetCube_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeResponse" message="tns:IBIMonitoringServiceApplication_GetCube_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetCube_BpmExceptionFault_FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="GetCubeFromDataSource">
          <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeFromDataSource"
message="tns:IBIMonitoringServiceApplication_GetCubeFromDataSource_InputMessage" />
          <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeFromDataSourceResponse"
message="tns:IBIMonitoringServiceApplication_GetCubeFromDataSource_OutputMessage" />
          <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeFromDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetCubeFromDataSource_BpmExceptionFault_FaultMes
sage" />
          </wsdl:operation>

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    <wsdl:operation name="QueryDimensionRootMembers">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryDimensionRootMembers"
message="tns:IBIMonitoringServiceApplication_QueryDimensionRootMembers_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryDimensionRootMembersResponse"
message="tns:IBIMonitoringServiceApplication_QueryDimensionRootMembers_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryDimensionRootMembersBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_QueryDimensionRootMembers_BpmExceptionFault_Fault
tMessage" />
    </wsdl:operation>
    <wsdl:operation name="QueryDimensionRootMembersFromDataSource">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryDimensionRootMembersFromDataSource"
message="tns:IBIMonitoringServiceApplication_QueryDimensionRootMembersFromDataSource_InputMes
sage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryDimensionRootMembersFromDataSourceResponse"
message="tns:IBIMonitoringServiceApplication_QueryDimensionRootMembersFromDataSource_OutputMe
ssage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryDimensionRootMembersFromDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_QueryDimensionRootMembersFromDataSource_BpmExcep
tionFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="QueryTransformMembers">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryTransformMembers"
message="tns:IBIMonitoringServiceApplication_QueryTransformMembers_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryTransformMembersResponse"
message="tns:IBIMonitoringServiceApplication_QueryTransformMembers_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryTransformMembersBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_QueryTransformMembers_BpmExceptionFault_FaultMes
sage" />
    </wsdl:operation>
    <wsdl:operation name="QueryChildMembers">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryChildMembers"
message="tns:IBIMonitoringServiceApplication_QueryChildMembers_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryChildMembersResponse"
message="tns:IBIMonitoringServiceApplication_QueryChildMembers_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryChildMembersBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_QueryChildMembers_BpmExceptionFault_FaultMessage
" />
    </wsdl:operation>
    <wsdl:operation name="QueryChildMembersFromDataSource">

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    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryChildMembersFromDataSource"
message="tns:IBIMonitoringServiceApplication_QueryChildMembersFromDataSource_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryChildMembersFromDataSourceResponse"
message="tns:IBIMonitoringServiceApplication_QueryChildMembersFromDataSource_OutputMessage"
/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryChildMembersFromDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_QueryChildMembersFromDataSource_BpmExceptionFaul
t_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="QueryChildMembersByRangeFromDataSource">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryChildMembersByRangeFromDataSource"
message="tns:IBIMonitoringServiceApplication_QueryChildMembersByRangeFromDataSource_InputMess
age" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryChildMembersByRangeFromDataSourceResponse"
message="tns:IBIMonitoringServiceApplication_QueryChildMembersByRangeFromDataSource_OutputMes
sage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryChildMembersByRangeFromDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_QueryChildMembersByRangeFromDataSource_BpmExcept
ionFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="QueryRelatedMember">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryRelatedMember"
message="tns:IBIMonitoringServiceApplication_QueryRelatedMember_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryRelatedMemberResponse"
message="tns:IBIMonitoringServiceApplication_QueryRelatedMember_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryRelatedMemberBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_QueryRelatedMember_BpmExceptionFault_FaultMessag
e" />
    </wsdl:operation>
    <wsdl:operation name="QueryRelatedMemberFromDataSource">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryRelatedMemberFromDataSource"
message="tns:IBIMonitoringServiceApplication_QueryRelatedMemberFromDataSource_InputMessage"
/>
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryRelatedMemberFromDataSourceResponse"
message="tns:IBIMonitoringServiceApplication_QueryRelatedMemberFromDataSource_OutputMessage"
/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryRelatedMemberFromDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_QueryRelatedMemberFromDataSource_BpmExceptionFau
lt_FaultMessage" />

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    </wsdl:operation>
    <wsdl:operation name="QueryNamedSets">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryNamedSets"
message="tns:IBIMonitoringServiceApplication_QueryNamedSets_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryNamedSetsResponse"
message="tns:IBIMonitoringServiceApplication_QueryNamedSets_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryNamedSetsBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_QueryNamedSets_BpmExceptionFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="QueryNamedSetsFromDataSource">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryNamedSetsFromDataSource"
message="tns:IBIMonitoringServiceApplication_QueryNamedSetsFromDataSource_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryNamedSetsFromDataSourceResponse"
message="tns:IBIMonitoringServiceApplication_QueryNamedSetsFromDataSource_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryNamedSetsFromDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_QueryNamedSetsFromDataSource_BpmExceptionFault_F
aultMessage" />
    </wsdl:operation>
    <wsdl:operation name="ValidateKpi">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateKpi" message="tns:IBIMonitoringServiceApplication_ValidateKpi_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateKpiResponse"
message="tns:IBIMonitoringServiceApplication_ValidateKpi_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateKpiBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_ValidateKpi_BpmExceptionFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="ValidateScorecard">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateScorecard"
message="tns:IBIMonitoringServiceApplication_ValidateScorecard_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateScorecardResponse"
message="tns:IBIMonitoringServiceApplication_ValidateScorecard_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateScorecardBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_ValidateScorecard_BpmExceptionFault_FaultMessage
" />
    </wsdl:operation>
    <wsdl:operation name="ValidateSiteCollection">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica

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tion/ValidateSiteCollection"
message="tns:IBIMonitoringServiceApplication_ValidateSiteCollection_InputMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateSiteCollectionResponse"
message="tns:IBIMonitoringServiceApplication_ValidateSiteCollection_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateSiteCollectionBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_ValidateSiteCollection_BpmExceptionFault_FaultMe
ssage" />
  </wsdl:operation>
  <wsdl:operation name="MaintenanceJob">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/MaintenanceJob"
message="tns:IBIMonitoringServiceApplication_MaintenanceJob_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/MaintenanceJobResponse"
message="tns:IBIMonitoringServiceApplication_MaintenanceJob_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/MaintenanceJobBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_MaintenanceJob_BpmExceptionFault_FaultMessage"
/>
  </wsdl:operation>
  <wsdl:operation name="GenerateView">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GenerateView" message="tns:IBIMonitoringServiceApplication_GenerateView_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GenerateViewResponse"
message="tns:IBIMonitoringServiceApplication_GenerateView_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GenerateViewBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GenerateView_BpmExceptionFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="GenerateViewDirect">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GenerateViewDirect"
message="tns:IBIMonitoringServiceApplication_GenerateViewDirect_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GenerateViewDirectResponse"
message="tns:IBIMonitoringServiceApplication_GenerateViewDirect_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GenerateViewDirectBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GenerateViewDirect_BpmExceptionFault_FaultMessag
e" />
  </wsdl:operation>
  <wsdl:operation name="GetAsKpis">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAsKpis" message="tns:IBIMonitoringServiceApplication_GetAsKpis_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAsKpisResponse" message="tns:IBIMonitoringServiceApplication_GetAsKpis_OutputMessage"
/>
  </>

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    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAsKpisBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetAsKpis_BpmExceptionFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetParameterDisplayData">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetParameterDisplayData"
message="tns:IBIMonitoringServiceApplication_GetParameterDisplayData_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetParameterDisplayDataResponse"
message="tns:IBIMonitoringServiceApplication_GetParameterDisplayData_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetParameterDisplayDataBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetParameterDisplayData_BpmExceptionFault_FaultM
essage" />
    </wsdl:operation>
    <wsdl:operation name="GetFilterDisplayData">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetFilterDisplayData"
message="tns:IBIMonitoringServiceApplication_GetFilterDisplayData_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetFilterDisplayDataResponse"
message="tns:IBIMonitoringServiceApplication_GetFilterDisplayData_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetFilterDisplayDataBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetFilterDisplayData_BpmExceptionFault_FaultMess
age" />
    </wsdl:operation>
    <wsdl:operation name="GetParameterMessageData">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetParameterMessageData"
message="tns:IBIMonitoringServiceApplication_GetParameterMessageData_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetParameterMessageDataResponse"
message="tns:IBIMonitoringServiceApplication_GetParameterMessageData_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetParameterMessageDataBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetParameterMessageData_BpmExceptionFault_FaultM
essage" />
    </wsdl:operation>
</wsdl:portType>
    <wsdl:binding name="CustomBinding_IBIMonitoringServiceApplication"
type="tns:IBIMonitoringServiceApplication">
    <soap:binding transport="http://schemas.xmlsoap.org/soap/http" />
    <wsdl:operation name="DeleteDataSource">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/DeleteDataSource" style="document" />
    <wsdl:input>
    <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>

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        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="SaveFilterValues">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/SaveFilterValues" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetKpisFromScorecard">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetKpisFromScorecard" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAnalyticReportView">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetAnalyticReportView" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetStrategyMapReportView">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetStrategyMapReportView" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>

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    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetLatestAnalyticReportVersion">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetLatestAnalyticReportVersion" style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
      <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetSettings">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetSettings" style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
      <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetSetting">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetSetting" style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
      <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetSettingValue">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetSettingValue" style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
      <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="UpdateSettingValue">

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    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/UpdateSettingValue" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAnnotationSetting">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetAnnotationSetting" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetDependentElements">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetDependentElements" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetTreeMembersDataTable">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetTreeMembersDataTable" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="RenderTreeMemberSelector">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/RenderTreeMemberSelector" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>

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        <soap:body use="literal" />
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetListItems">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetListItems" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="QueryTimeIntelligence">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/QueryTimeIntelligence" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="QueryTimeIntelligenceDirect">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/QueryTimeIntelligenceDirect" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetRegisteredCustomFCOs">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetRegisteredCustomFCOs" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="CreateReportHtml">

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    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/CreateReportHtml" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="CreateNavigationMetadata">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/CreateNavigationMetadata" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetFilterDependencies">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetFilterDependencies" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="RenderFilter">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/RenderFilter" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetReportDependencies">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetReportDependencies" style="document" />
    <wsdl:input>

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        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ReportSupportsExportFormat">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ReportSupportsExportFormat" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ExportReport">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ExportReport" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ScorecardSupportsExportFormat">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ScorecardSupportsExportFormat" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ExportScorecard">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ExportScorecard" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>

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    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
      <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="RenderReport">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/RenderReport" style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
      <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetScorecardDependencies">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetScorecardDependencies" style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
      <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="RenderScorecard">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/RenderScorecard" style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
      <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="RenderScorecardAjaxControl">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/RenderScorecardAjaxControl" style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
      <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
  </wsdl:operation>

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</wsdl:operation>
<wsdl:operation name="GetRenderControlPreview">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetRenderControlPreview" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetDrillThroughPreview">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetDrillThroughPreview" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="DecompStartAnalyze">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/DecompStartAnalyze" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="DecompAutoExpand">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/DecompAutoExpand" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="DecompCreateNavigationList">

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    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/DecompCreateNavigationList" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="DecompGetMemberProperties">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/DecompGetMemberProperties" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="DecompExpand">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/DecompExpand" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetReportViewImageData">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetReportViewImageData" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAnnotation">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetAnnotation" style="document" />
    <wsdl:input>

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        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAnnotationByID">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetAnnotationByID" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAllAnnotationsByScorecardLocation">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetAllAnnotationsByScorecardLocation" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="CreateAnnotation">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/CreateAnnotation" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="UpdateAnnotation">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/UpdateAnnotation" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>

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    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
      <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="DeleteAnnotation">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/DeleteAnnotation" style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
      <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="TrimAnnotationByScorecardLocation">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/TrimAnnotationByScorecardLocation" style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
      <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="TrimAnnotationByOwner">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/TrimAnnotationByOwner" style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
      <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="TrimAnnotationUntouchedSince">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/TrimAnnotationUntouchedSince" style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
      <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
  </wsdl:operation>

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</wsdl:operation>
<wsdl:operation name="CreateDataSource">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/CreateDataSource" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="UpdateDataSource">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/UpdateDataSource" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetDataSource">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetDataSource" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetMdx">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetMdx" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="SaveTemporaryAnalyticReport">

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    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/SaveTemporaryAnalyticReport" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="SaveTemporaryStrategyMapReport">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/SaveTemporaryStrategyMapReport" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetQueryResultMembers">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetQueryResultMembers" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetDatabaseNamesFromDataSource">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetDatabaseNamesFromDataSource" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetPreviewDataSet">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetPreviewDataSet" style="document" />
    <wsdl:input>

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        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetCubeNameInfos">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetCubeNameInfos" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetCubeMetaData">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetCubeMetaData" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetCubeMetaDataForDataSource">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetCubeMetaDataForDataSource" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="TestConnection">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/TestConnection" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>

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    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
      <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetDimensions">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetDimensions" style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
      <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetDimensionsFromDataSource">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetDimensionsFromDataSource" style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
      <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetCube">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetCube" style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
      <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetCubeFromDataSource">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetCubeFromDataSource" style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
      <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
  </wsdl:operation>

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</wsdl:operation>
<wsdl:operation name="QueryDimensionRootMembers">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/QueryDimensionRootMembers" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="QueryDimensionRootMembersFromDataSource">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/QueryDimensionRootMembersFromDataSource" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="QueryTransformMembers">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/QueryTransformMembers" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="QueryChildMembers">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/QueryChildMembers" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="QueryChildMembersFromDataSource">

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    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/QueryChildMembersFromDataSource" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="QueryChildMembersByRangeFromDataSource">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/QueryChildMembersByRangeFromDataSource" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="QueryRelatedMember">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/QueryRelatedMember" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="QueryRelatedMemberFromDataSource">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/QueryRelatedMemberFromDataSource" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="QueryNamedSets">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/QueryNamedSets" style="document" />
    <wsdl:input>

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        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="QueryNamedSetsFromDataSource">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryNamedSetsFromDataSource" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ValidateKpi">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ValidateKpi" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ValidateScorecard">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ValidateScorecard" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ValidateSiteCollection">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ValidateSiteCollection" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>

```

```

    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
      <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="MaintenanceJob">
    <soap:operation
      soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/MaintenanceJob" style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
      <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GenerateView">
    <soap:operation
      soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GenerateView" style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
      <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GenerateViewDirect">
    <soap:operation
      soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GenerateViewDirect" style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
      <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetAsKpis">
    <soap:operation
      soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetAsKpis" style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
      <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
  </wsdl:operation>

```

```

</wsdl:operation>
<wsdl:operation name="GetParameterDisplayData">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetParameterDisplayData" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetFilterDisplayData">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetFilterDisplayData" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetParameterMessageData">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetParameterMessageData" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
</wsdl:binding>
</wsdl:definitions>

```

## 7 Appendix B: Product Behavior

The information in this specification is applicable to the following Microsoft products or supplemental software. References to product versions include released service packs:

- Microsoft® SharePoint® Server 2010

Exceptions, if any, are noted below. If a service pack or Quick Fix Engineering (QFE) number appears with the product version, behavior changed in that service pack or QFE. The new behavior also applies to subsequent service packs of the product unless otherwise specified. If a product edition appears with the product version, behavior is different in that product edition.

Unless otherwise specified, any statement of optional behavior in this specification that is prescribed using the terms SHOULD or SHOULD NOT implies product behavior in accordance with the SHOULD or SHOULD NOT prescription. Unless otherwise specified, the term MAY implies that the product does not follow the prescription.

[<1> Section 3.1.2:](#) In PerformancePoint Services 2010, the default query timeout is 300 seconds.

[<2> Section 3.1.4:](#) In PerformancePoint Services 2010, the method is used, but will not be in the shipping version.

[<3> Section 3.1.4.23:](#) In PerformancePoint Services 2010, the method is used, but will not be in the shipping version.



## 8 Change Tracking

No table of changes is available. The document is either new or has had no changes since its last release.

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