

[MS-SPSETWS]: SharePoint Subscription Settings Web Service Protocol Specification

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Revision Summary

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11/06/2009	0.3	Editorial	Revised and edited the technical content
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1 Introduction

This document specifies the SharePoint Subscription Settings Web Service Protocol. This protocol enables configuration data sharing within a set of **site collections**. This protocol is typically used for hosting scenarios.

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)
property set

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

endpoint
site collection
site subscription
site subscription identifier
SOAP (Simple Object Access Protocol)
SOAP action
SOAP body
SOAP fault
URI (Uniform Resource Identifier)
version stamp
WSDL operation

The following terms are specific to this document:

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. 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.

[MS-SPSETSP] Microsoft Corporation, "[SharePoint Subscription Settings Stored Procedures Protocol Specification](#)", July 2009.

[MS-SPSTWS] Microsoft Corporation, "[SharePoint Security Token Service Web Service Protocol 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>

[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>

[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

[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>

[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>

1.3 Protocol Overview (Synopsis)

Site collections use shared configuration data in enterprise and hosting scenarios. This protocol enables delegation of certain configuration data for this group of site collections to additional administrators.

To facilitate these scenarios, this protocol can set, remove, and read **property sets** for a particular set of site collections.

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 [\[RFC2616\]](#), or **HTTPS**, as described in [\[RFC2818\]](#).

The following diagram shows the underlying messaging and transport stack used by the protocol:

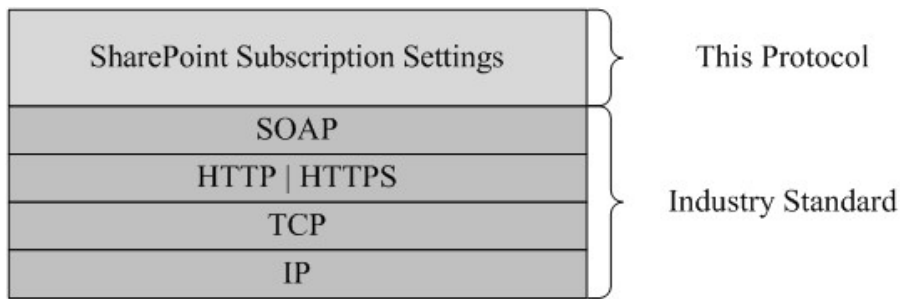


Figure 1: This protocol in relation to other protocols

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

None.

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 [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

2.1 Transport

Protocol servers MUST support SOAP over HTTP or HTTPS.

All protocol messages MUST be transported by using HTTP 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 either 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 protocol server, for example, the SOAP format over an HTTP transport.

2.2 Common Message Syntax

This section specifies messages that are used by several operations in this protocol. The syntax uses the XML Schema as specified in [\[XMLSCHEMA1\]](#) and [\[XMLSCHEMA2\]](#), and the Web Services Description Language as specified in [\[WSDL\]](#).

2.2.1 Namespaces

This specification defines and references various XML namespaces using the mechanisms specified in [\[XMLNS\]](#). Although this specification associates a specific XML namespace prefix for each XML namespace, the choice of any particular XML namespace prefix is implementation-specific and not significant for interoperability.

2.2.2 Messages

None.

2.2.3 Elements

None.

2.2.4 Complex Types

The following table contains the common XML Schema complex types specified by this protocol. XML Schema complex types that are specific to a particular operation are specified with the operation.

Complex type	Description
SPSubscriptionSettingsActionFault	A SOAP fault.
SPSubscriptionSettingsPropertySet	The information that specifies a property set.

Complex type	Description
SPSubscriptionSettingsPropertySetInfo	A subset of metadata for a property set.
SPSubscriptionSettingsPropertySetResult	A subset of metadata for a property set.

2.2.4.1 SPSubscriptionSettingsActionFault (from namespace <http://schemas.datacontract.org/2004/07/Microsoft.SharePoint>)

The **SPSubscriptionSettingsActionFault** element specifies a SOAP fault.

```
<xs:complexType name="SPSubscriptionSettingsActionFault">
  <xs:sequence>
    <xs:element minOccurs="0" name="m_faultType"
type="tns:SPSubscriptionSettingsActionFaultType"/>
    <xs:element minOccurs="0" name="m_message" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

m_faultType: This element contains the type of the SOAP fault. It MUST conform to the XML schema of the **SPSubscriptionSettingsActionFaultType** specified in section [2.2.5.1](#).

m_message: This element is a string that specifies the SOAP fault.

2.2.4.2 SPSubscriptionSettingsPropertySet (from namespace <http://schemas.datacontract.org/2004/07/Microsoft.SharePoint>)

The **SPSubscriptionSettingsPropertySet** element contains the set of information that specifies a property set.

```
<xs:complexType name="SPSubscriptionSettingsPropertySet">
  <xs:sequence>
    <xs:element minOccurs="0" name="m_PropertySetId" type="ser:guid"/>
    <xs:element minOccurs="0" name="m_TypeId" type="ser:guid"/>
    <xs:element minOccurs="0" name="m_Version" type="xs:long"/>
    <xs:element minOccurs="0" name="m_Xml" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

m_PropertySetId: This element contains the **GUID** of the property set.

m_TypeId: This element contains the GUID of the type of the property set.

m_Version: This element contains the **version stamp** of the property set.

m_Xml: This element contains the list of property names and values contained in the property set. It MUST conform to the Subscription Settings Property Set XML schema as specified in [\[MS-SPSETSP\]](#) section 2.2.1.

2.2.4.3 SPSubscriptionSettingsPropertySetInfo (from namespace <http://schemas.datacontract.org/2004/07/Microsoft.SharePoint>)

The **SPSubscriptionSettingsPropertySetInfo** element specifies the subset of metadata for a property set.

```

<xs:complexType name="SPSubscriptionSettingsPropertySetInfo">
  <xs:sequence>
    <xs:element minOccurs="0" name="m_PropertySetId" type="ser:guid"/>
    <xs:element minOccurs="0" name="m_Version" type="xs:long"/>
  </xs:sequence>
</xs:complexType>

```

m_PropertySetId: This element contains the GUID of the property set.

m_Version: This element contains the version stamp of the property set.

2.2.4.4 SPSubscriptionSettingsPropertySetResult (from namespace <http://schemas.datacontract.org/2004/07/Microsoft.SharePoint>)

The **SPSubscriptionSettingsPropertySetResult** element specifies a subset of metadata for a property set.

```

<xs:complexType name="SPSubscriptionSettingsPropertySetResult">
  <xs:sequence>
    <xs:element minOccurs="0" name="m_Exists" type="xs:boolean"/>
    <xs:element minOccurs="0" name="m_PropertySetId" type="ser:guid"/>
    <xs:element minOccurs="0" name="m_Version" type="xs:long"/>
    <xs:element minOccurs="0" name="m_Xml" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>

```

m_Exists: This element specifies whether the property set exists. If the value is **FALSE**, the remaining members in this structure **MUST** be ignored.

m_PropertySetId: This element contains the GUID of the property set.

m_Version: The version stamp of the property set.

m_Xml: This element contains the list of property names and values contained in the property set. It **MUST** conform to the Subscription Settings Property Set XML schema as specified in [\[MS-SPSETSP\]](#) section 2.2.1.

2.2.5 Simple Types

The following summarizes the set of common XML Schema simple types specified by this protocol. XML Schema simple types that are specific to a particular operation are specified with the operation.

Simple type	Description
guid	Specifies the unique identifier.
SPSubscriptionSettingsActionFaultType	The error condition that triggered the SOAP fault.

2.2.5.1 SPSubscriptionSettingsActionFaultType (from namespace <http://schemas.datacontract.org/2004/07/Microsoft.SharePoint>)

The **SPSubscriptionSettingsActionFaultType** element specifies the error condition that triggered the SOAP fault.

```

<xs:simpleType name="SPSubscriptionSettingsActionFaultType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="ArgumentOutOfRangeException"/>
    <xs:enumeration value="ArgumentNullException"/>
    <xs:enumeration value="SPDatabaseException"/>
    <xs:enumeration value="SPDeletedConcurrencyException"/>
    <xs:enumeration value="SPUpdatedConcurrencyException"/>
  </xs:restriction>
</xs:simpleType>

```

The following table specifies the allowable values for SPSubscriptionSettingsActionFaultType:

Value	Meaning
ArgumentOutOfRangeException	An argument in the input WSDL message was not in the expected range of values.
ArgumentNullException	An argument in the input WSDL message was NULL.
SPDatabaseException	An unexpected error occurred on the protocol server while processing the SOAP request.
SPDeletedConcurrencyException	The SOAP request attempted processing an object that was not found by the protocol server.
SPUpdatedConcurrencyException	The SOAP request attempted processing an object in the protocol server that was simultaneously updated by another request.

2.2.5.2 guid (from namespace <http://schemas.microsoft.com/2003/10/Serialization/>)

The **guid** element specifies the unique identifier.

```

<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>

```

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.

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.

3.1 Server Details

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 list of property sets and their mappings to **site subscription identifiers**. The protocol server adds, changes, and deletes property set objects and their mappings from this list in response to messages from the protocol client.

There are three types of property sets: properties, administrative properties, and feature set. The properties type stores collections of settings, the administrative properties type stores values specifically for the system administrator(s), and the feature set type stores a list of identifiers that filter end user functionality. Each site subscription identifier can be associated with one of each property set type. The property set type is contained in the **m_TypeId** element.

Every property set is associated with exactly one identifier, type identifier, and version stamp. A property set is uniquely identified by the combination of its property set GUID and type identifier.

3.1.2 Timers

None.

3.1.3 Initialization

None.

3.1.4 Message Processing Events and Sequencing Rules

This specification includes the following **WSDL operations**:

WSDL Operation	Description
DeleteMapping	The DeleteMapping operation deletes the mapping of the site subscription identifier and the property set type identifier specified in the input message.
DeletePropertySet	The DeletePropertySet operation deletes the property set with the specified unique identifier and type identifier from the protocol server. It also deletes all associated mappings.
GetPropertySet	The GetPropertySet operation returns the property set specified by the property set identifier and the type identifier in the input message.
GetPropertySetIds	The GetPropertySetId operation returns an array of unique identifiers of the property sets that contain the type identifier specified in the input

WSDL Operation	Description
	message.
GetSubscriptionPropertySet	The GetSubscriptionPropertySet operation returns the property set with the specified type identifier and maps to the site subscription identifier specified in the input message.
SetMapping	The SetMapping operation creates or updates the mapping of the property set type identifier and the site subscription identifier elements to the property set identifier specified in the input message.
SetPropertySet	The SetPropertySet operation creates a new property set or updates an existing property set.
SetSubscriptionPropertySet	The operation creates a new property set and a new mapping between it and the site subscription identifier specified in the input message.

3.1.4.1 DeleteMapping

The **DeleteMapping** operation deletes the mapping of the site subscription identifier and the property set type identifier specified in the input message.

```
<wsdl:operation name="DeleteMapping">
  <wsdl:input
    wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeleteMapping"
    message="tns:ISubscriptionSettingsServiceApplication_DeleteMapping_InputMessage"/>
  <wsdl:output
    wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeleteMappingResponse"
    message="tns:ISubscriptionSettingsServiceApplication_DeleteMapping_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeleteMappingSPSubscri
    ptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
    message="tns:ISubscriptionSettingsServiceApplication_DeleteMapping_SPSubscriptionSettingsActi
    onFaultFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **ISubscriptionSettingsServiceApplication_DeleteMapping_InputMessage** request WSDL message and the protocol server MUST respond with an **ISubscriptionSettingsServiceApplication_DeleteMapping_OutputMessage** response WSDL message as follows:

1. If the specified site subscription identifier or type identifier are empty, the protocol server MUST return a **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** set to the value "ArgumentOutOfRangeException" as specified in section [2.2.5.1](#).
2. If the mapping between the specified site subscription identifier and type identifier exists, the protocol server MUST delete the mapping.
3. If the mapping between the specified site subscription identifier and the type identifier does not exist, the state of the protocol server MUST NOT change.
4. If the mapping exists and was not deleted, the protocol server MUST return a **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** set to the value "SPDatabaseException".

3.1.4.1.1 Messages

3.1.4.1.1.1

ISubscriptionSettingsServiceApplication_DeleteMapping_InputMessage

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

The **SOAP action** value is:

```
http://tempuri.org/ISubscriptionSettingsServiceApplication/DeleteMapping
```

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

3.1.4.1.1.2

ISubscriptionSettingsServiceApplication_DeleteMapping_OutputMessage

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

The SOAP action value is:

```
http://tempuri.org/ISubscriptionSettingsServiceApplication/DeleteMappingResponse
```

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

3.1.4.1.2 Elements

3.1.4.1.2.1 DeleteMapping

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

```
<xs:element name="DeleteMapping">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="subscriptionId"
        xmlns:q13="http://schemas.microsoft.com/2003/10/Serialization/" type="q13:guid"/>
      <xs:element minOccurs="0" name="typeId"
        xmlns:q14="http://schemas.microsoft.com/2003/10/Serialization/" type="q14:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

subscriptionId: This element contains the site subscription identifier.

typeId: This element contains the property set type identifier.

3.1.4.1.2.2 DeleteMappingResponse

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

```
<xs:element name="DeleteMappingResponse">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
```

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

3.1.4.2 DeletePropertySet

The **DeletePropertySet** operation deletes the property set with the specified unique identifier and type identifier from the protocol server. It also deletes all associated mappings.

```
<wsdl:operation name="DeletePropertySet">
  <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeletePropertySet"
message="tns:ISubscriptionSettingsServiceApplication_DeletePropertySet_InputMessage"/>
  <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeletePropertySetResp
onse" message="tns:ISubscriptionSettingsServiceApplication_DeletePropertySet_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeletePropertySetSPSu
bscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_DeletePropertySet_SPSubscriptionSettings
ActionFaultFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an

ISubscriptionSettingsServiceApplication_DeletePropertySet_InputMessage request WSDL message and the protocol server MUST respond with an

ISubscriptionSettingsServiceApplication_DeletePropertySet_OutputMessage response WSDL message as follows:

1. If the specified property set identifier or type identifier are empty, the protocol server MUST return a **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** set to the value "ArgumentOutOfRangeException" as specified in section [2.2.5.1](#).
2. If a property set with the specified unique identifier and type identifier exists, and the specified version stamp does not match the version stamp of the stored property set, the protocol server MUST return a **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** set to the value "SPUpdatedConcurrencyException".
3. If a property set with the specified unique identifier and type identifier does not exist, the protocol server MUST return a **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** set to the value "SPDeletedConcurrencyException".
4. If the property set exists with the specified unique identifier, type identifier and version stamp, the protocol server MUST delete the property set. The protocol server MUST also delete all mappings associated with the property set.
5. If the property set or the associated mappings cannot be deleted, the protocol server MUST return a **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** set to the value "SPDatabaseException". The state of the protocol server MUST NOT change in this case.

3.1.4.2.1 Messages

3.1.4.2.1.1

ISubscriptionSettingsServiceApplication_DeletePropertySet_InputMessage

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

The SOAP action value is:

```
http://tempuri.org/ISubscriptionSettingsServiceApplication/DeletePropertySet
```

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

3.1.4.2.1.2

ISubscriptionSettingsServiceApplication_DeletePropertySet_OutputMessage

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

The SOAP action value is:

```
http://tempuri.org/ISubscriptionSettingsServiceApplication/DeletePropertySetResponse
```

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

3.1.4.2.2 Elements

3.1.4.2.2.1 DeletePropertySet

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

```
<xs:element name="DeletePropertySet">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="propertySetId"
        xmlns:q6="http://schemas.microsoft.com/2003/10/Serialization/" type="q6:guid"/>
      <xs:element minOccurs="0" name="typeId"
        xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/" type="q7:guid"/>
      <xs:element minOccurs="0" name="version" type="xs:long"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

propertySetId: This element contains the unique identifier of the property set.

typeId: This element contains the type identifier of the property set.

version: This element contains the version stamp of the property set.

3.1.4.2.2.2 DeletePropertySetResponse

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

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

```

<xs:complexType>
  <xs:sequence/>
</xs:complexType>
</xs:element>

```

3.1.4.3 GetPropertySet

The **GetPropertySet** operation returns the property set specified by the property set identifier and the type identifier in the input message.

```

<wsdl:operation name="GetPropertySet">
  <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySet"
message="tns:ISubscriptionSettingsServiceApplication_GetPropertySet_InputMessage"/>
  <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetResponse"
message="tns:ISubscriptionSettingsServiceApplication_GetPropertySet_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetSPSubsc
riptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_GetPropertySet_SPSubscriptionSettingsAct
ionFaultFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends an

ISubscriptionSettingsServiceApplication_GetPropertySet_InputMessage request WSDL message and the protocol server MUST respond with an

ISubscriptionSettingsServiceApplication_GetPropertySet_OutputMessage response WSDL message as follows:

1. If the property set identifier or the type identifier that are specified in the input message are empty, the protocol server MUST return an **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** element set to the value "ArgumentOutOfRangeException" as specified in section [2.2.5.1](#).
2. If the property set with the specified unique identifier and type identifier specified in the input message exists, the protocol server MUST return a response element of type **SPSubscriptionSettingsPropertySetResult** as specified in section [2.2.4.4](#). It contains information about the property set, and the **m_Exists** element is set to **TRUE**.
3. If the property set with the unique identifier and type identifier specified in the input message does not exist, the protocol server MUST return a response element of type **SPSubscriptionSettingsPropertySetResult** with the **m_Exists** element set to **FALSE**.

3.1.4.3.1 Messages

3.1.4.3.1.1

ISubscriptionSettingsServiceApplication_GetPropertySet_InputMessage

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

The SOAP action value is:

```
http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySet
```

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

3.1.4.3.1.2

ISubscriptionSettingsServiceApplication_GetPropertySet_OutputMessage

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

The SOAP action value is:

```
http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetResponse
```

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

3.1.4.3.2 Elements

3.1.4.3.2.1 **GetPropertySet**

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

```
<xs:element name="GetPropertySet">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="propertySetId"
        xmlns:q1="http://schemas.microsoft.com/2003/10/Serialization/" type="q1:guid"/>
      <xs:element minOccurs="0" name="typeId"
        xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/" type="q2:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

propertySetId: This element contains the unique identifier of the property set.

typeId: This element contains the type identifier of the property set.

3.1.4.3.2.2 **GetPropertySetResponse**

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

```
<xs:element name="GetPropertySetResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="GetPropertySetResult" nillable="true"
        xmlns:q3="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
        type="q3:SPSubscriptionSettingsPropertySetResult"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GetPropertySetResult: This element contains information about the property set with the specified unique identifier and type identifier. This element **MUST** conform to the XML schema of the **SPSubscriptionSettingsPropertySetResult** element as specified in section [2.2.4.4](#).

3.1.4.4 GetPropertySetIds

The **GetPropertySetId** operation returns an array of unique identifiers of the property sets that contain the type identifier specified in the input message.

```
<wsdl:operation name="GetPropertySetIds">
  <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetIds"
message="tns:ISubscriptionSettingsServiceApplication_GetPropertySetIds_InputMessage"/>
  <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetIdsResponse"
message="tns:ISubscriptionSettingsServiceApplication_GetPropertySetIds_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetIdsSPSubscriptionSettingsActionFaultFault"
name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_GetPropertySetIds_SPSubscriptionSettingsActionFaultFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an

ISubscriptionSettingsServiceApplication_GetPropertySetIds_InputMessage request WSDL message and the protocol server MUST respond with an

ISubscriptionSettingsServiceApplication_GetPropertySetIds_OutputMessage response WSDL message as follows:

1. If the property set type identifier specified in the input message is empty, the protocol server MUST return an **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** set to the value "ArgumentOutOfRangeException" as specified in section [2.2.5.1](#).
2. If an error occurs when retrieving property sets of the specified type identifier, the protocol server MUST return a **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** set to the value "SPDatabaseException" as specified in section [2.2.5.1](#).
3. If property sets of the specified type identifier exist, the protocol server MUST return an array of GUIDs of all such property sets as specified in section [3.1.4.4.3.1](#).
4. If a property set of the specified type identifier does not exist, the protocol server MUST return an empty array of GUIDs.

3.1.4.4.1 Messages

3.1.4.4.1.1

ISubscriptionSettingsServiceApplication_GetPropertySetIds_InputMessage

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

The SOAP action value is:

```
http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetIds
```

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

3.1.4.4.1.2

ISubscriptionSettingsServiceApplication_GetPropertySetIds_OutputMessage

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

The SOAP action value is:

```
http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetIdsResponse
```

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

3.1.4.4.2 Elements

3.1.4.4.2.1 **GetPropertySetIds**

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

```
<xs:element name="GetPropertySetIds">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="typeId"
        xmlns:q8="http://schemas.microsoft.com/2003/10/Serialization/" type="q8:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

typeId: This element contains the type identifier of the property sets.

3.1.4.4.2.2 **GetPropertySetIdsResponse**

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

```
<xs:element name="GetPropertySetIdsResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="GetPropertySetIdsResult" nillable="true"
        xmlns:q9="http://schemas.microsoft.com/2003/10/Serialization/Arrays" type="q9:ArrayOfguid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GetPropertySetIdsResult: This element is an array of GUIDs of property sets with the type identifier specified in the input message. This element MUST conform to the XML schema of the **ArrayOfguid** element specified in section [3.1.4.4.3.1](#).

3.1.4.4.3 Complex Types

3.1.4.4.3.1 **ArrayOfguid (from namespace**

http://schemas.microsoft.com/2003/10/Serialization/Arrays)

The **ArrayOfguid** element is an array of unique identifiers of property sets.

```
<xs:complexType name="ArrayOfguid">
```

```

    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="guid" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>

```

guid: This element contains the unique identifier of a property set.

3.1.4.5 GetSubscriptionPropertySet

The **GetSubscriptionPropertySet** operation returns the property set with the specified type identifier and maps to the site subscription identifier specified in the input message.

```

<wsdl:operation name="GetSubscriptionPropertySet">
  <wsdl:input
    wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionPropertySet"
    message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_InputMessage"
  />
  <wsdl:output
    wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionPropertySetResponse"
    message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_OutputMessage"
  />
  <wsdl:fault
    wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionPropertySetSPSubscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
    message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_SPSubscriptionSettingsActionFaultFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends an

ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_InputMessage

request WSDL message and the protocol server MUST respond with an

ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_OutputMessage

response WSDL message as follows:

1. If the property set type identifier or the site subscription identifier specified in input message are null, the protocol server MUST return an **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** set to the value "ArgumentOutOfRangeException" as specified in section [2.2.5.1](#).
2. If a property set with the type identifier specified in the input message exists, and the property set has a mapping to the specified site subscription identifier, the protocol server sets the **m_Exists** element set to **TRUE** and MUST return a response message of type **SPSubscriptionSettingsPropertySetResult** as specified in section [2.2.4.4](#). The response message contains information about the property set.
3. If a mapping for the specified type identifier and site subscription identifier specified in the input message does not exist, or if the property set associated with the mapping for the site subscription identifier and type identifier does not exist, the protocol server MUST return a response element of type **SPSubscriptionSettingsPropertySetResult** with the **m_Exists** element set to **FALSE**.

3.1.4.5.1 Messages

3.1.4.5.1.1

ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_InputMessage

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

The SOAP action value is:

```
http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionPropertySet
```

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

3.1.4.5.1.2

ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_OutputMessage

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

The SOAP action value is:

```
http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionPropertySetResponse
```

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

3.1.4.5.2 Elements

3.1.4.5.2.1 **GetSubscriptionPropertySet**

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

```
<xs:element name="GetSubscriptionPropertySet">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="subscriptionId"
        xmlns:q15="http://schemas.microsoft.com/2003/10/Serialization/" type="q15:guid"/>
      <xs:element minOccurs="0" name="typeId"
        xmlns:q16="http://schemas.microsoft.com/2003/10/Serialization/" type="q16:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

subscriptionId: The site subscription identifier.

typeId: The type identifier of the property set.

3.1.4.5.2.2 **GetSubscriptionPropertySetResponse**

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

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

```

<xs:complexType>
  <xs:sequence>
    <xs:element minOccurs="0" name="GetSubscriptionPropertySetResult" nillable="true"
      xmlns:q17="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
      type="q17:SPSubscriptionSettingsPropertySetResult"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

GetSubscriptionPropertySetResult: This element contains information about the property set with the specified type identifier that has a mapping to the specified site subscription identifier. This element MUST conform to the XML schema of the **SPSubscriptionSettingsPropertySetResult** element specified in section [2.2.4.4](#).

3.1.4.6 SetMapping

The **SetMapping** operation creates or updates the mapping of the property set type identifier and the site subscription identifier elements to the property set identifier specified in the input message.

```

<wsdl:operation name="SetMapping">
  <wsdl:input
    wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetMapping"
    message="tns:ISubscriptionSettingsServiceApplication_SetMapping_InputMessage"/>
  <wsdl:output
    wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetMappingResponse"
    message="tns:ISubscriptionSettingsServiceApplication_SetMapping_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetMappingSPSubscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
    message="tns:ISubscriptionSettingsServiceApplication_SetMapping_SPSubscriptionSettingsActionFaultFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends an **ISubscriptionSettingsServiceApplication_SetMapping_InputMessage** request WSDL message and the protocol server MUST respond with an **ISubscriptionSettingsServiceApplication_SetMapping_OutputMessage** response WSDL message as follows:

1. If the property set identifier, the property set type identifier or the site subscription identifier in the input message are empty, the protocol server MUST return an **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** element set to the value "ArgumentOutOfRangeException" as specified in section [2.2.5.1](#).
2. If the property set identifier and property set type identifier are not empty, the property set identifier MUST be a property set identifier returned from a call to **GetPropertySetIds**.
3. If the mapping between the site subscription identifier and the specified property set type identifier does not exist, the protocol server MUST create a new mapping of the property set type identifier and the site subscription identifier elements to the specified property set identifier.
4. If the mapping between the site subscription identifier and the specified property set type identifier does exist, the protocol server MUST update the existing mapping to the specified property set identifier specified in the input message.

5. The protocol server MUST return an **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** element set to the value "SPDatabaseException" if the mapping was not created or updated.

3.1.4.6.1 Messages

3.1.4.6.1.1 ISubscriptionSettingsServiceApplication_SetMapping_InputMessage

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

The SOAP action value is:

```
http://tempuri.org/ISubscriptionSettingsServiceApplication/SetMapping
```

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

3.1.4.6.1.2 ISubscriptionSettingsServiceApplication_SetMapping_OutputMessage

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

The SOAP action value is:

```
http://tempuri.org/ISubscriptionSettingsServiceApplication/SetMappingResponse
```

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

3.1.4.6.2 Elements

3.1.4.6.2.1 SetMapping

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

```
<xs:element name="SetMapping">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="subscriptionId"
        xmlns:q10="http://schemas.microsoft.com/2003/10/Serialization/" type="q10:guid"/>
      <xs:element minOccurs="0" name="typeId"
        xmlns:q11="http://schemas.microsoft.com/2003/10/Serialization/" type="q11:guid"/>
      <xs:element minOccurs="0" name="propertySetId"
        xmlns:q12="http://schemas.microsoft.com/2003/10/Serialization/" type="q12:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

subscriptionId: This element contains the site subscription identifier.

typeId: This element contains the type identifier of the property set.

propertySetId: This element contains the property set identifier.

3.1.4.6.2 SetMappingResponse

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

```
<xs:element name="SetMappingResponse">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

3.1.4.7 SetPropertySet

The **SetPropertySet** operation creates a new property set or updates an existing property set.

```
<wsdl:operation name="SetPropertySet">
  <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetPropertySet"
message="tns:ISubscriptionSettingsServiceApplication_SetPropertySet_InputMessage"/>
  <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetPropertySetResponse"
message="tns:ISubscriptionSettingsServiceApplication_SetPropertySet_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetPropertySetSPSubsc
riptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_SetPropertySet_SPSubscriptionSettingsAct
ionFaultFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an

ISubscriptionSettingsServiceApplication_SetPropertySet_InputMessage request WSDL message and the protocol server MUST respond with an

ISubscriptionSettingsServiceApplication_SetPropertySet_OutputMessage response WSDL message, as follows:

1. If the property set in the input message is **NULL**, the protocol server MUST return an **SPSubscriptionSettingsActionFault** SOAP fault that contains a **SPSubscriptionSettingsActionFaultType** element set to the value "ArgumentNullException" as specified in section [2.2.5.1](#).
2. If the property set identifier in the input message is empty, the protocol server MUST create a new property set and assign a new GUID to the property set.
3. If a property set with the unique identifier specified in the input message does not exist, and the version stamp specified in the input message is not null, the protocol server MUST return an **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** element set to the value "SPDeletedConcurrencyException" as specified in section [2.2.5.1](#).
4. If a property set with the identifier specified in the input message exists, and the version stamp in the input message does not match the version stamp of the property set, the protocol server MUST return an **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** element set to the value "SPUpdatedConcurrencyException" as specified in section [2.2.5.1](#).
5. If a property set with the unique identifier specified in the input message exists, and the version stamp in the input message matches the version stamp of the property set, the protocol server

MUST update the properties of the property set to match the ones in the input message. In addition, the protocol server MUST also increment the version stamp of the stored property set by one.

6. If the protocol server did not create or update the property set, it MUST return an **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** element set to the value "SPDatabaseException" as specified in section [2.2.5.1](#).
7. If the protocol server successfully created or updated the property set, it MUST return an **SPSubscriptionSettingsPropertySetInfo** element that contains the unique identifier and version stamp elements of the property set as specified in section [2.2.4.3](#).

3.1.4.7.1 Messages

3.1.4.7.1.1

ISubscriptionSettingsServiceApplication_SetPropertySet_InputMessage

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

The SOAP action value is:

```
http://tempuri.org/ISubscriptionSettingsServiceApplication/SetPropertySet
```

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

3.1.4.7.1.2

ISubscriptionSettingsServiceApplication_SetPropertySet_OutputMessage

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

The SOAP action value is:

```
http://tempuri.org/ISubscriptionSettingsServiceApplication/SetPropertySetResponse
```

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

3.1.4.7.2 Elements

3.1.4.7.2.1 SetPropertySet

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

```
<xs:element name="SetPropertySet">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="propertySet" nillable="true"
        xmlns:q4="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
        type="q4:SPSubscriptionSettingsPropertySet"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

propertySet: This element contains the property set to be created or updated. It MUST conform to the XML schema of the **SPSubscriptionSettingsPropertySet** element as specified in section [2.2.4.2](#).

3.1.4.7.2.2 SetPropertySetResponse

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

```
<xs:element name="SetPropertySetResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="SetPropertySetResult" nillable="true"
        xmlns:q5="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
        type="q5:SPSubscriptionSettingsPropertySetInfo"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

SetPropertySetResult: This element contains information about the property set that was created or updated. It MUST conform to the XML schema of the **SPSubscriptionSettingsPropertySetInfo** element as specified in section [2.2.4.3](#).

3.1.4.8 SetSubscriptionPropertySet

The operation creates a new property set and a new mapping between it and the site subscription identifier specified in the input message.

```
<wsdl:operation name="SetSubscriptionPropertySet">
  <wsdl:input>
    wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionPropertySet"
    message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_InputMessage"
  </>
  <wsdl:output>
    wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionPropertySetResponse"
    message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_OutputMessage"
  </>
  <wsdl:fault>
    wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionPropertySetSPSubscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
    message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_SPSubscriptionSettingsActionFaultFault_FaultMessage"/>
  </wsdl:operation>
```

The protocol client sends an **ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_InputMessage** request WSDL message and the protocol server MUST respond with an **ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_OutputMessage** response WSDL message as follows:

1. If the property set in the input message is **NULL**, the protocol server MUST return an **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** element set to the value "ArgumentNullException" as specified in section [2.2.5.1](#).

2. If the site subscription identifier in the input message is empty, the protocol server MUST return an **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** element set to the value "ArgumentOutOfRangeException".
3. The protocol server MUST generate a new GUID for the property set and store the property set in the list of property sets.
4. If the mapping does not exist between the property set type identifier and the site subscription identifier, the protocol server MUST create a new mapping, and then associate it with the input property set.
5. The protocol server MUST return an **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** element set to the value "SPDatabaseException" for each of the following cases. The state of the protocol server MUST NOT change for any of these cases.
 1. The property set was not created.
 2. A mapping between the property set type identifier and the site subscription identifier already exists.
 3. The mapping was not created.
6. If the protocol server creates the specified property set, and also creates the mapping between it and the site subscription identifier, then the protocol server MUST return an **SPSubscriptionSettingsPropertySetInfo** element that contains the property set identifier and version stamp elements as specified in section [2.2.4.3](#).

3.1.4.8.1 Messages

3.1.4.8.1.1

ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_InputMessage

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

The SOAP action value is:

```
http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionPropertySet
```

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

3.1.4.8.1.2

ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_OutputMessage

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

The SOAP action value is:

```
http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionPropertySetResponse
```

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

3.1.4.8.2 Elements

3.1.4.8.2.1 SetSubscriptionPropertySet

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

```
<xs:element name="SetSubscriptionPropertySet">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="subscriptionId"
        xmlns:q18="http://schemas.microsoft.com/2003/10/Serialization/" type="q18:guid"/>
      <xs:element minOccurs="0" name="propertySet" nillable="true"
        xmlns:q19="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
        type="q19:SPSubscriptionSettingsPropertySet"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

subscriptionId: This element contains the site subscription identifier.

propertySet: This element contains the property set to create. It MUST conform to the XML schema of **SPSubscriptionSettingsPropertySet** element as specified in section [2.2.4.2](#).

3.1.4.8.2.2 SetSubscriptionPropertySetResponse

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

```
<xs:element name="SetSubscriptionPropertySetResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="SetSubscriptionPropertySetResult" nillable="true"
        xmlns:q20="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
        type="q20:SPSubscriptionSettingsPropertySetInfo"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

SetSubscriptionPropertySetResult: This element contains information about the property set that was created. It MUST conform to the XML schema of the **SPSubscriptionSettingsPropertySetInfo** element as specified in section [2.2.4.3](#).

3.1.5 Timer Events

None.

3.1.6 Other Local Events

None.

4 Protocol Examples

The following examples show how to work with property sets for this protocol

4.1 Manage a Site Subscription Property Set

These examples describe the sequence of requests and responses between the protocol client and protocol server during operations that manage the property set of a **site subscription**.

4.1.1 Create a New Property Set

The following examples create a property set for each property set type: Properties, Admin Properties and Feature Set.

To create a new property set that is described by the type identifier that contains the value "d5c46399-6d04-4489-82cd-aa36b8accefb" for property sets of type "Properties", the protocol client constructs the following WSDL message.

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <SetPropertySet xmlns="http://tempuri.org/">
      <propertySet xmlns="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint">
        <m_PropertySetId>00000000-0000-0000-0000-000000000000</m_PropertySetId>
        <m_TypeId>d5c46399-6d04-4489-82cd-aa36b8accefb</m_TypeId>
        <m_Version>0</m_Version>
        <m_Xml>
          <entries>
            <entry name="SamplePropertySet1" type="int">123</entry>
          </entries>
        </m_Xml>
      </propertySet>
    </SetPropertySet>
  </s:Body>
</s:Envelope>
```

On successful creation of the new property set for properties type "Properties", the protocol server returns the following WSDL message:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <SetPropertySetResponse xmlns="http://tempuri.org/">
      <SetPropertySetResult
xmlns="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint">
        <m_PropertySetId>a0c31f4a-5f92-4e6a-b954-42c5e22415d4</m_PropertySetId>
        <m_Version>1</m_Version>
      </SetPropertySetResult>
    </SetPropertySetResponse>
  </s:Body>
</s:Envelope>
```

To create a new property set that contains administrative properties, the type identifier that contains the value "83e6c4cb-8e96-4882-af00-421f586517f2" is used. The protocol client constructs the following WSDL message:

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <SetPropertySet xmlns="http://tempuri.org/">
      <propertySet xmlns="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint">
        <m_PropertySetId>00000000-0000-0000-0000-000000000000</m_PropertySetId>
        <m_TypeId>83e6c4cb-8e96-4882-af00-421f586517f2</m_TypeId>
        <m_Version>0</m_Version>
        <m_Xml>
          <entries>
            <entry name="SampleAdminPropertySet1" type="int">456</entry>
          </entries>
        </m_Xml>
      </propertySet>
    </SetPropertySet>
  </s:Body>
</s:Envelope>

```

On successful creation of the new property set for administrative properties, the protocol server returns the following WSDL message:

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <SetPropertySetResponse xmlns="http://tempuri.org/">
      <SetPropertySetResult
xmlns="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint">
        <m_PropertySetId>ba353017-18c4-4122-a613-f1bb3d55d34c</m_PropertySetId>
        <m_Version>1</m_Version>
      </SetPropertySetResult>
    </SetPropertySetResponse>
  </s:Body>
</s:Envelope>

```

To create a new property set that contains feature set properties, and the type identifier "47ef919c-588d-4cfc-a552-762f746a5127", the protocol client constructs the following WSDL message:

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <SetPropertySet xmlns="http://tempuri.org/">
      <propertySet xmlns="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint">
        <m_PropertySetId>00000000-0000-0000-0000-000000000000</m_PropertySetId>
        <m_TypeId>47ef919c-588d-4cfc-a552-762f746a5127</m_TypeId>
        <m_Version>0</m_Version>
        <m_Xml>
          <entries>
            <entry name="FeatureIds" type="string" />
          </entries>
        </m_Xml>
      </propertySet>
    </SetPropertySet>
  </s:Body>
</s:Envelope>

```


On successful creation of the new property set of feature set properties, the protocol server returns the following WSDL message:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <SetPropertySetResponse xmlns="http://tempuri.org/">
      <SetPropertySetResult
xmlns="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint">
        <m_PropertySetId>ed7319ca-547b-4369-ad8f-dc5f5b3c1669</m_PropertySetId>
        <m_Version>1</m_Version>
      </SetPropertySetResult>
    </SetPropertySetResponse>
  </s:Body>
</s:Envelope>
```

4.1.2 Update a Property Set

To update the property set retrieved with the GUID set to the value "ed7319ca-547b-4369-ad8f-dc5f5b3c1669" and is associated with feature set type identifier "47ef919c-588d-4cfc-a552-762f746a5127", the protocol client constructs the following WSDL message:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <SetPropertySet xmlns="http://tempuri.org/">
      <propertySet xmlns="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint">
        <m_PropertySetId>ed7319ca-547b-4369-ad8f-dc5f5b3c1669</m_PropertySetId>
        <m_TypeId>47ef919c-588d-4cfc-a552-762f746a5127</m_TypeId>
        <m_Version>1</m_Version>
        <m_Xml>
          <entries>
            <entry name="FeatureIds" type="string">00bfea71-1c5e-4a24-b310-
ba51c3eb7a57;</entry>
          </entries>
        </m_Xml>
      </propertySet>
    </SetPropertySet>
  </s:Body>
</s:Envelope>
```

On successful update of the property set that is associated with the GUID "ed7319ca-547b-4369-ad8f-dc5f5b3c1669" and contains feature set properties, the protocol server returns the following WSDL message:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <SetPropertySetResponse xmlns="http://tempuri.org/">
      <SetPropertySetResult
xmlns="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint">
        <m_PropertySetId>ed7319ca-547b-4369-ad8f-dc5f5b3c1669</m_PropertySetId>
        <m_Version>2</m_Version>
      </SetPropertySetResult>
    </SetPropertySetResponse>
  </s:Body>
</s:Envelope>
```

4.1.3 Fetch a Property Set

To retrieve the property set that contains the GUID set to the value "ed7319ca-547b-4369-ad8f-dc5f5b3c1669" and whose type identifier contains the value "47ef919c-588d-4cfc-a552-762f746a5127" for feature set properties, the protocol client constructs the following WSDL message:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope" >
  <s:Body>
    <GetPropertySet xmlns="http://tempuri.org/">
      <propertySetId>ed7319ca-547b-4369-ad8f-dc5f5b3c1669</propertySetId>
      <typeId>47ef919c-588d-4cfc-a552-762f746a5127</typeId>
    </GetPropertySet>
  </s:Body>
</s:Envelope>
```

If the property set that contains the specified GUID and the type identifier exists, the protocol server returns the following WSDL message:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <GetPropertySetResponse xmlns="http://tempuri.org/">
      <GetPropertySetResult
xmlns="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint" >
        <m_Exists>true</m_Exists>
        <m_PropertySetId>ed7319ca-547b-4369-ad8f-dc5f5b3c1669</m_PropertySetId>
        <m_Version>2</m_Version>
        <m_Xml>
          <entries>
            <entry name="FeatureIds" type="string">00bfea71-1c5e-4a24-b310-
ba51c3eb7a57;</entry>
          </entries>
        </m_Xml>
      </GetPropertySetResult>
    </GetPropertySetResponse>
  </s:Body>
</s:Envelope>
```

4.1.4 Fetch Property Set Identifiers with Property Set Type

To retrieve the array of **GUIDs** of the property sets that are associated with type identifier "d5c46399-6d04-4489-82cd-aa36b8acceb" for property sets of type "properties", the protocol client constructs the following WSDL message:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <GetPropertySetIds xmlns="http://tempuri.org/">
      <typeId>d5c46399-6d04-4489-82cd-aa36b8acceb</typeId>
    </GetPropertySetIds>
  </s:Body>
</s:Envelope>
```

If one or more property set elements that contain the specified type identifier exist, the protocol server returns the following WSDL message:

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <GetPropertySetIdsResponse xmlns="http://tempuri.org/">
      <GetPropertySetIdsResult
xmlns="http://schemas.microsoft.com/2003/10/Serialization/Arrays" >
        <guid>a0c31f4a-5f92-4e6a-b954-42c5e22415d4</guid>
      </GetPropertySetIdsResult>
    </GetPropertySetIdsResponse>
  </s:Body>
</s:Envelope>

```

4.1.5 Create a Mapping Between a Property Set and a Site Subscription

To create the mapping between the property set and the site subscription, the protocol client constructs the WSDL message as shown in the following example. The property set contains a GUID set to the value "ed7319ca-547b-4369-ad8f-dc5f5b3c1669" and type identifier is set to the value "47ef919c-588d-4cfc-a552-762f746a5127" for feature set properties. The site subscription is associated with the GUID that is set to the value "4e5836a1-478d-4e8c-a965-e0a99ccf1e9c".

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <SetMapping xmlns="http://tempuri.org/">
      <subscriptionId>4e5836a1-478d-4e8c-a965-e0a99ccf1e9c</subscriptionId>
      <typeId>47ef919c-588d-4cfc-a552-762f746a5127</typeId>
      <propertySetId>ed7319ca-547b-4369-ad8f-dc5f5b3c1669</propertySetId>
    </SetMapping>
  </s:Body>
</s:Envelope>

```

On successful creation of the mapping between the property set and the site subscription, the protocol server returns the following WSDL message:

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <SetMappingResponse xmlns="http://tempuri.org/"></SetMappingResponse>
  </s:Body>
</s:Envelope>

```

4.1.6 Create a New Property Set and Mapping to a Site Subscription

To create a new property set that contains a type identifier set to the value "d5c46399-6d04-4489-82cd-aa36b8accefb" for properties of type "Properties", and also create a new mapping between it and the site subscription that contains the GUID that is set to the value "0e6b9180-6e6f-44d3-8573-4917ce77917e", the protocol client constructs the following WSDL message:

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <SetSubscriptionPropertySet xmlns="http://tempuri.org/">
      <subscriptionId>0e6b9180-6e6f-44d3-8573-4917ce77917e</subscriptionId>
      <propertySet xmlns="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint" >
        <m_PropertySetId>00000000-0000-0000-0000-000000000000</m_PropertySetId>
        <m_TypeId>d5c46399-6d04-4489-82cd-aa36b8accefb</m_TypeId>
        <m_Version>0</m_Version>
      </propertySet>
    </SetSubscriptionPropertySet>
  </s:Body>
</s:Envelope>

```

```

    <m_Xml>
      <entries>
        <entry name="SamplePropertySet2" type="int">789</entry>
      </entries>
    </m_Xml>
  </propertySet>
</SetSubscriptionPropertySet>
</s:Body>
</s:Envelope>

```

On successful creation of the property set of type "Properties" and a new mapping to the site subscription, the protocol server returns the following WSDL message:

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <SetSubscriptionPropertySetResponse xmlns="http://tempuri.org/">
      <SetSubscriptionPropertySetResult
xmlns="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint" >
        <m_PropertySetId>2ec06784-b04d-4ab1-b7c7-ee667e072dad</m_PropertySetId>
        <m_Version>1</m_Version>
      </SetSubscriptionPropertySetResult>
    </SetSubscriptionPropertySetResponse>
  </s:Body>
</s:Envelope>

```

4.1.7 Fetch a Site Subscription Property Set

To retrieve the property set that contains the type identifier that is set to the value "47ef919c-588d-4cfc-a552-762f746a5127" for feature set properties, and has a mapping to a site subscription that contains a GUID set to the value "4e5836a1-478d-4e8c-a965-e0a99ccf1e9c", the protocol client constructs the following WSDL message:

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <GetSubscriptionPropertySet xmlns="http://tempuri.org/">
      <subscriptionId>4e5836a1-478d-4e8c-a965-e0a99ccf1e9c</subscriptionId>
      <typeId>47ef919c-588d-4cfc-a552-762f746a5127</typeId>
    </GetSubscriptionPropertySet>
  </s:Body>
</s:Envelope>

```

If the property set that contains the specified type identifier exists and its mapping to the site subscription that contains the specified GUID exists, the protocol server returns the following WSDL message:

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <GetSubscriptionPropertySetResponse xmlns="http://tempuri.org/">
      <GetSubscriptionPropertySetResult
xmlns="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint" >
        <m_Exists>true</m_Exists>
        <m_PropertySetId>ed7319ca-547b-4369-ad8f-dc5f5b3c1669</m_PropertySetId>
        <m_Version>2</m_Version>
        <m_Xml>

```

```

        <entries>
          <entry name="FeatureIds" type="string">00bfea71-1c5e-4a24-b310-
ba51c3eb7a57;</entry>
        </entries>
      </m_Xml>
    </GetSubscriptionPropertySetResult>
  </GetSubscriptionPropertySetResponse>
</s:Body>
</s:Envelope>

```

4.1.8 Delete a Mapping Between a Property Set and a Site Subscription

To delete the mapping between the property set that contains a type identifier that is set to the value "47ef919c-588d-4cfc-a552-762f746a5127" for feature set properties, and the site subscription that contains GUID that is set to the value "4e5836a1-478d-4e8c-a965-e0a99ccf1e9c", the protocol client constructs the following WSDL message:

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <DeleteMapping xmlns="http://tempuri.org/">
      <subscriptionId>4e5836a1-478d-4e8c-a965-e0a99ccf1e9c</subscriptionId>
      <typeId>47ef919c-588d-4cfc-a552-762f746a5127</typeId>
    </DeleteMapping>
  </s:Body>
</s:Envelope>

```

If at least one property set that contains the specified type identifier exists, and the type identifier mapping to the site subscription that contains the specified GUID also exists, on successful delete the protocol server returns the following WSDL message:

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <DeleteMappingResponse xmlns="http://tempuri.org/"></DeleteMappingResponse>
  </s:Body>
</s:Envelope>

```

4.1.9 Delete a Property Set

To delete the property set that contains the GUID that is set to the value "ed7319ca-547b-4369-ad8f-dc5f5b3c1669" and also contains the type identifier that is set to the value "47ef919c-588d-4cfc-a552-762f746a5127" for feature set properties, and then delete all associated mappings, the protocol client constructs the following WSDL message:

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <DeletePropertySet xmlns="http://tempuri.org/">
      <propertySetId>ed7319ca-547b-4369-ad8f-dc5f5b3c1669</propertySetId>
      <typeId>47ef919c-588d-4cfc-a552-762f746a5127</typeId>
      <version>2</version>
    </DeletePropertySet>
  </s:Body>
</s:Envelope>

```

If the property set exists that contains the specified GUID, type identifier, and version stamp, on successful delete the protocol server returns the following WSDL message:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <DeletePropertySetResponse xmlns="http://tempuri.org/"></DeletePropertySetResponse>
  </s:Body>
</s:Envelope>
```

5 Security

5.1 Security Considerations for Implementers

There are no additional security considerations. Security assumptions for this protocol are documented in section [1.5](#).

5.2 Index of Security Parameters

None.

6 Appendix A: Full WSDL

For ease of implementation, the full WSDL is provided here.

```
<?xml version="1.0" encoding="utf-8"?>
<wsdl:definitions xmlns:tns="http://tempuri.org/"
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" name="SPSubscriptionSettingsServiceApplication"
targetNamespace="http://tempuri.org/" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:types>
    <xs:schema elementFormDefault="qualified" targetNamespace="http://tempuri.org/"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
      <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
      <xs:import namespace="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint" />
      <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays" />
      <xs:element name="GetPropertySet">
        <xs:complexType>
          <xs:sequence>
            <xs:element xmlns:q1="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="propertySetId" type="q1:guid" />
            <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="typeId" type="q2:guid" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetPropertySetResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element
xmlns:q3="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint" minOccurs="0"
name="GetPropertySetResult" nillable="true" type="q3:SPSubscriptionSettingsPropertySetResult"
/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="SetPropertySet">
        <xs:complexType>
          <xs:sequence>
            <xs:element
xmlns:q4="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint" minOccurs="0"
name="propertySet" nillable="true" type="q4:SPSubscriptionSettingsPropertySet" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="SetPropertySetResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element
xmlns:q5="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint" minOccurs="0"
name="SetPropertySetResult" nillable="true" type="q5:SPSubscriptionSettingsPropertySetInfo"
/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="DeletePropertySet">
        <xs:complexType>
          <xs:sequence>
            <xs:element xmlns:q6="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="propertySetId" type="q6:guid" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:schema>
  </wsdl:types>

```



```

        <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="typeId" type="q7:guid" />
        <xs:element minOccurs="0" name="version" type="xs:long" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="DeletePropertySetResponse">
    <xs:complexType>
        <xs:sequence />
    </xs:complexType>
</xs:element>
<xs:element name="GetPropertySetIds">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q8="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="typeId" type="q8:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetPropertySetIdsResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q9="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="GetPropertySetIdsResult" nillable="true" type="q9:ArrayOfguid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="SetMapping">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q10="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="subscriptionId" type="q10:guid" />
            <xs:element xmlns:q11="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="typeId" type="q11:guid" />
            <xs:element xmlns:q12="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="propertySetId" type="q12:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="SetMappingResponse">
    <xs:complexType>
        <xs:sequence />
    </xs:complexType>
</xs:element>
<xs:element name="DeleteMapping">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q13="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="subscriptionId" type="q13:guid" />
            <xs:element xmlns:q14="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="typeId" type="q14:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="DeleteMappingResponse">
    <xs:complexType>
        <xs:sequence />
    </xs:complexType>
</xs:element>
<xs:element name="GetSubscriptionPropertySet">

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    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:q15="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="subscriptionId" type="q15:guid" />
        <xs:element xmlns:q16="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="typeId" type="q16:guid" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetSubscriptionPropertySetResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element
xmlns:q17="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint" minOccurs="0"
name="GetSubscriptionPropertySetResult" nillable="true"
type="q17:SPSubscriptionSettingsPropertySetResult" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="SetSubscriptionPropertySet">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:q18="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="subscriptionId" type="q18:guid" />
        <xs:element
xmlns:q19="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint" minOccurs="0"
name="propertySet" nillable="true" type="q19:SPSubscriptionSettingsPropertySet" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="SetSubscriptionPropertySetResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element
xmlns:q20="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint" minOccurs="0"
name="SetSubscriptionPropertySetResult" nillable="true"
type="q20:SPSubscriptionSettingsPropertySetInfo" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</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" />

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<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">
  <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.datacontract.org/2004/07/Microsoft.SharePoint"
  xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
  elementFormDefault="qualified"
  targetNamespace="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
  <xs:complexType name="SPSubscriptionSettingsPropertySetResult">
    <xs:sequence>
      <xs:element minOccurs="0" name="m_Exists" type="xs:boolean" />
      <xs:element minOccurs="0" name="m_PropertySetId" type="ser:guid" />
      <xs:element minOccurs="0" name="m_Version" type="xs:long" />
      <xs:element minOccurs="0" name="m_Xml" nillable="true" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
  <xs:element name="SPSubscriptionSettingsPropertySetResult" nillable="true"
  type="tns:SPSubscriptionSettingsPropertySetResult" />
  <xs:complexType name="SPSubscriptionSettingsActionFault">
    <xs:sequence>
      <xs:element minOccurs="0" name="m_faultType"
  type="tns:SPSubscriptionSettingsActionFaultType" />
      <xs:element minOccurs="0" name="m_message" nillable="true" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
  <xs:element name="SPSubscriptionSettingsActionFault" nillable="true"
  type="tns:SPSubscriptionSettingsActionFault" />
  <xs:simpleType name="SPSubscriptionSettingsActionFaultType">
    <xs:restriction base="xs:string">
      <xs:enumeration value="ArgumentOutOfRangeException" />
      <xs:enumeration value="ArgumentNullException" />
      <xs:enumeration value="SPDatabaseException" />
      <xs:enumeration value="SPDeletedConcurrencyException" />
      <xs:enumeration value="SPUpdatedConcurrencyException" />
    </xs:restriction>
  </xs:simpleType>

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    <xs:element name="SPSubscriptionSettingsActionFaultType" nillable="true"
type="tns:SPSubscriptionSettingsActionFaultType" />
    <xs:complexType name="SPSubscriptionSettingsPropertySet">
        <xs:sequence>
            <xs:element minOccurs="0" name="m_PropertySetId" type="ser:guid" />
            <xs:element minOccurs="0" name="m_TypeId" type="ser:guid" />
            <xs:element minOccurs="0" name="m_Version" type="xs:long" />
            <xs:element minOccurs="0" name="m_Xml" nillable="true" type="xs:string" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="SPSubscriptionSettingsPropertySet" nillable="true"
type="tns:SPSubscriptionSettingsPropertySet" />
    <xs:complexType name="SPSubscriptionSettingsPropertySetInfo">
        <xs:sequence>
            <xs:element minOccurs="0" name="m_PropertySetId" type="ser:guid" />
            <xs:element minOccurs="0" name="m_Version" type="xs:long" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="SPSubscriptionSettingsPropertySetInfo" nillable="true"
type="tns:SPSubscriptionSettingsPropertySetInfo" />
</xs:schema>
<xs:schema xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
    <xs:complexType name="ArrayOfguid">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="guid" type="ser:guid" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="ArrayOfguid" nillable="true" type="tns:ArrayOfguid" />
</xs:schema>
</wsdl:types>
<wsdl:message name="ISubscriptionSettingsServiceApplication_GetPropertySet_InputMessage">
    <wsdl:part name="parameters" element="tns:GetPropertySet" />
</wsdl:message>
<wsdl:message name="ISubscriptionSettingsServiceApplication_GetPropertySet_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetPropertySetResponse" />
</wsdl:message>
<wsdl:message
name="ISubscriptionSettingsServiceApplication_GetPropertySet_SPSubscriptionSettingsActionFaultFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
name="detail" element="q1:SPSubscriptionSettingsActionFault" />
</wsdl:message>
<wsdl:message name="ISubscriptionSettingsServiceApplication_SetPropertySet_InputMessage">
    <wsdl:part name="parameters" element="tns:SetPropertySet" />
</wsdl:message>
<wsdl:message name="ISubscriptionSettingsServiceApplication_SetPropertySet_OutputMessage">
    <wsdl:part name="parameters" element="tns:SetPropertySetResponse" />
</wsdl:message>
<wsdl:message
name="ISubscriptionSettingsServiceApplication_SetPropertySet_SPSubscriptionSettingsActionFaultFault_FaultMessage">
    <wsdl:part xmlns:q2="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
name="detail" element="q2:SPSubscriptionSettingsActionFault" />
</wsdl:message>

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    <wsdl:message
name="ISubscriptionSettingsServiceApplication_DeletePropertySet_InputMessage">
    <wsdl:part name="parameters" element="tns:DeletePropertySet" />
</wsdl:message>
    <wsdl:message
name="ISubscriptionSettingsServiceApplication_DeletePropertySet_OutputMessage">
    <wsdl:part name="parameters" element="tns:DeletePropertySetResponse" />
</wsdl:message>
    <wsdl:message
name="ISubscriptionSettingsServiceApplication_DeletePropertySet_SPSubscriptionSettingsActionF
aultFault_FaultMessage">
    <wsdl:part xmlns:q3="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
name="detail" element="q3:SPSubscriptionSettingsActionFault" />
</wsdl:message>
    <wsdl:message
name="ISubscriptionSettingsServiceApplication_GetPropertySetIds_InputMessage">
    <wsdl:part name="parameters" element="tns:GetPropertySetIds" />
</wsdl:message>
    <wsdl:message
name="ISubscriptionSettingsServiceApplication_GetPropertySetIds_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetPropertySetIdsResponse" />
</wsdl:message>
    <wsdl:message
name="ISubscriptionSettingsServiceApplication_GetPropertySetIds_SPSubscriptionSettingsActionF
aultFault_FaultMessage">
    <wsdl:part xmlns:q4="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
name="detail" element="q4:SPSubscriptionSettingsActionFault" />
</wsdl:message>
    <wsdl:message name="ISubscriptionSettingsServiceApplication_SetMapping_InputMessage">
    <wsdl:part name="parameters" element="tns:SetMapping" />
</wsdl:message>
    <wsdl:message name="ISubscriptionSettingsServiceApplication_SetMapping_OutputMessage">
    <wsdl:part name="parameters" element="tns:SetMappingResponse" />
</wsdl:message>
    <wsdl:message
name="ISubscriptionSettingsServiceApplication_SetMapping_SPSubscriptionSettingsActionFaultFau
lt_FaultMessage">
    <wsdl:part xmlns:q5="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
name="detail" element="q5:SPSubscriptionSettingsActionFault" />
</wsdl:message>
    <wsdl:message name="ISubscriptionSettingsServiceApplication_DeleteMapping_InputMessage">
    <wsdl:part name="parameters" element="tns>DeleteMapping" />
</wsdl:message>
    <wsdl:message name="ISubscriptionSettingsServiceApplication_DeleteMapping_OutputMessage">
    <wsdl:part name="parameters" element="tns>DeleteMappingResponse" />
</wsdl:message>
    <wsdl:message
name="ISubscriptionSettingsServiceApplication_DeleteMapping_SPSubscriptionSettingsActionFault
Fault_FaultMessage">
    <wsdl:part xmlns:q6="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
name="detail" element="q6:SPSubscriptionSettingsActionFault" />
</wsdl:message>
    <wsdl:message
name="ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_InputMessage">
    <wsdl:part name="parameters" element="tns:GetSubscriptionPropertySet" />
</wsdl:message>
    <wsdl:message
name="ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetSubscriptionPropertySetResponse" />
</wsdl:message>

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    <wsdl:message
name="ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_SPSubscriptionSettin
gsActionFaultFault_FaultMessage">
    <wsdl:part xmlns:q7="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
name="detail" element="q7:SPSubscriptionSettingsActionFault" />
    </wsdl:message>
    <wsdl:message
name="ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_InputMessage">
    <wsdl:part name="parameters" element="tns:SetSubscriptionPropertySet" />
    </wsdl:message>
    <wsdl:message
name="ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_OutputMessage">
    <wsdl:part name="parameters" element="tns:SetSubscriptionPropertySetResponse" />
    </wsdl:message>
    <wsdl:message
name="ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_SPSubscriptionSettin
gsActionFaultFault_FaultMessage">
    <wsdl:part xmlns:q8="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
name="detail" element="q8:SPSubscriptionSettingsActionFault" />
    </wsdl:message>
    <wsdl:portType name="ISubscriptionSettingsServiceApplication">
    <wsdl:operation name="GetPropertySet">
    <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySet"
message="tns:ISubscriptionSettingsServiceApplication_GetPropertySet_InputMessage" />
    <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetRespons
e" message="tns:ISubscriptionSettingsServiceApplication_GetPropertySet_OutputMessage" />
    <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetSPSubsc
riptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_GetPropertySet_SPSubscriptionSettingsAct
ionFaultFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="SetPropertySet">
    <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetPropertySet"
message="tns:ISubscriptionSettingsServiceApplication_SetPropertySet_InputMessage" />
    <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetPropertySetRespons
e" message="tns:ISubscriptionSettingsServiceApplication_SetPropertySet_OutputMessage" />
    <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetPropertySetSPSubsc
riptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_SetPropertySet_SPSubscriptionSettingsAct
ionFaultFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="DeletePropertySet">
    <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeletePropertySet"
message="tns:ISubscriptionSettingsServiceApplication_DeletePropertySet_InputMessage" />
    <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeletePropertySetResp
onse" message="tns:ISubscriptionSettingsServiceApplication_DeletePropertySet_OutputMessage"
/>
    <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeletePropertySetSPSu
bscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_DeletePropertySet_SPSubscriptionSettings
ActionFaultFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetPropertySetIds">

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    <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetIds"
message="tns:ISubscriptionSettingsServiceApplication_GetPropertySetIds_InputMessage" />
    <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetIdsResp
onse" message="tns:ISubscriptionSettingsServiceApplication_GetPropertySetIds_OutputMessage"
/>
    <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetIdsSPSu
bscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_GetPropertySetIds_SPSubscriptionSettings
ActionFaultFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="SetMapping">
    <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetMapping"
message="tns:ISubscriptionSettingsServiceApplication_SetMapping_InputMessage" />
    <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetMappingResponse"
message="tns:ISubscriptionSettingsServiceApplication_SetMapping_OutputMessage" />
    <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetMappingSPSubscrip
tionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_SetMapping_SPSubscriptionSettingsActio
nFaultFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="DeleteMapping">
    <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeleteMapping"
message="tns:ISubscriptionSettingsServiceApplication_DeleteMapping_InputMessage" />
    <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeleteMappingResponse
" message="tns:ISubscriptionSettingsServiceApplication_DeleteMapping_OutputMessage" />
    <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeleteMappingSPSubscri
ptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_DeleteMapping_SPSubscriptionSettingsActi
onFaultFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetSubscriptionPropertySet">
    <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionProper
tySet"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_InputMessage"
/>
    <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionProper
tySetResponse"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_OutputMessage
" />
    <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionProper
tySetSPSubscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_SPSubscrip
tionSettingsActionFaultFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="SetSubscriptionPropertySet">
    <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionProper
tySet"
message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_InputMessage"
/>

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        <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionPropertySetResponse"
message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_OutputMessage" />
        <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionPropertySetSPSubscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_SPSubscriptionSettingsActionFaultFault_FaultMessage" />
    </wsdl:operation>
</wsdl:portType>
    <wsdl:binding name="CustomBinding_ISubscriptionSettingsServiceApplication"
type="tns:ISubscriptionSettingsServiceApplication">
        <soap:binding transport="http://schemas.xmlsoap.org/soap/http" />
        <wsdl:operation name="GetPropertySet">
            <soap:operation
soapAction="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySet"
style="document" />
                <wsdl:input>
                    <soap:body use="literal" />
                </wsdl:input>
                <wsdl:output>
                    <soap:body use="literal" />
                </wsdl:output>
                <wsdl:fault name="SPSubscriptionSettingsActionFaultFault">
                    <soap:fault use="literal" name="SPSubscriptionSettingsActionFaultFault" namespace="" />
            </wsdl:fault>
        </wsdl:operation>
        <wsdl:operation name="SetPropertySet">
            <soap:operation
soapAction="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetPropertySet"
style="document" />
                <wsdl:input>
                    <soap:body use="literal" />
                </wsdl:input>
                <wsdl:output>
                    <soap:body use="literal" />
                </wsdl:output>
                <wsdl:fault name="SPSubscriptionSettingsActionFaultFault">
                    <soap:fault use="literal" name="SPSubscriptionSettingsActionFaultFault" namespace="" />
            </wsdl:fault>
        </wsdl:operation>
        <wsdl:operation name="DeletePropertySet">
            <soap:operation
soapAction="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeletePropertySet"
style="document" />
                <wsdl:input>
                    <soap:body use="literal" />
                </wsdl:input>
                <wsdl:output>
                    <soap:body use="literal" />
                </wsdl:output>
                <wsdl:fault name="SPSubscriptionSettingsActionFaultFault">
                    <soap:fault use="literal" name="SPSubscriptionSettingsActionFaultFault" namespace="" />
            </wsdl:fault>
        </wsdl:operation>
        <wsdl:operation name="GetPropertySetIds">

```



```

        <soap:operation
soapAction="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetIds"
style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="SPSubscriptionSettingsActionFaultFault">
            <soap:fault use="literal" name="SPSubscriptionSettingsActionFaultFault" namespace=""
/>
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="SetMapping">
        <soap:operation
soapAction="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetMapping"
style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="SPSubscriptionSettingsActionFaultFault">
            <soap:fault use="literal" name="SPSubscriptionSettingsActionFaultFault" namespace=""
/>
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="DeleteMapping">
        <soap:operation
soapAction="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeleteMapping"
style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="SPSubscriptionSettingsActionFaultFault">
            <soap:fault use="literal" name="SPSubscriptionSettingsActionFaultFault" namespace=""
/>
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetSubscriptionPropertySet">
        <soap:operation
soapAction="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionPropertySet"
style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="SPSubscriptionSettingsActionFaultFault">
            <soap:fault use="literal" name="SPSubscriptionSettingsActionFaultFault" namespace=""
/>
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="SetSubscriptionPropertySet">

```

```
    <soap:operation
soapAction="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionPropert
ySet" style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="SPSubscriptionSettingsActionFaultFault">
      <soap:fault use="literal" name="SPSubscriptionSettingsActionFaultFault" 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® Foundation 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.

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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