[MS-ADMINS]:
Administration Web Service Protocol Specification

Revision Summary

Date	Revision History	Revision Class	Comments
04/04/2008	0.1		Initial Availability
06/27/2008	1.0	Major	Revised and edited the technical content
10/06/2008	1.01	Editorial	Revised and edited the technical content
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06/29/2010	2.04	Editorial	Changed language and formatting in the technical content.
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Date	Revision History	Revision Class	Comments
10/08/2012	3.1	Minor	Clarified the meaning of the technical content.

Table of Contents

1 Introduction

The Administration Web Service Protocol enables a protocol client to create and delete **websites (2)** and to retrieve information about the languages supported by a website (2).

Sections 1.8, 2, and 3 of this specification are normative and can contain the terms MAY, SHOULD, MUST, MUST NOT, and SHOULD NOT as defined in RFC 2119. Sections 1.5 and 1.9 are also normative but cannot contain those terms. All other sections and examples in this specification are informative.

1.1 Glossary

The following terms are defined in [MS-GLOS]:

GUID
Hypertext Transfer Protocol (HTTP)
Hypertext Transfer Protocol over Secure Sockets Layer (HTTPS)
language code identifier (LCID)

The following terms are defined in [MS-OFCGLOS]:

absolute URL
configuration database
endpoint
portal site
request message
response message
Simple Object Access Protocol (SOAP)
site
site collection
site definition
site template
SOAP action
SOAP body
SOAP fault
Status-Code
Uniform Resource Locator (URL)
user name
web application
Web Services Description Language (WSDL)
website
WSDL operation
XML namespace
XML schema

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

References to Microsoft Open Specifications documentation do not include a publishing year because links are to the latest version of the technical documents, which are updated frequently. References to other documents include a publishing year when one is available.

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-LCID] Microsoft Corporation, "Windows Language Code Identifier (LCID) Reference".

[MS-SITESS] Microsoft Corporation, "Sites Web Service Protocol Specification".

[MS-WSSTS] Microsoft Corporation, "Windows SharePoint Services Technical Specification".

[RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", BCP 14, RFC 2119, March 1997, http://www.rfc-editor.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

[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

[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] Bray, T., Hollander, D., Layman, A., et al., Eds., "Namespaces in XML 1.0 (Third Edition)", W3C Recommendation, December 2009, http://www.w3.org/TR/2009/REC-xml-names-20091208/

[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".

[MS-OFCGLOS] Microsoft Corporation, "Microsoft Office Master Glossary".

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

1.3 Protocol Overview (Synopsis)

This protocol allows a protocol client to create or delete a **site collection** and to retrieve information about which languages are supported by a site collection.

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 **Hypertext Transfer Protocol over Secure Sockets Layer (HTTPS)**, as described in [RFC2818].

The following diagram shows the underlying messaging and transport stack used by the protocol.
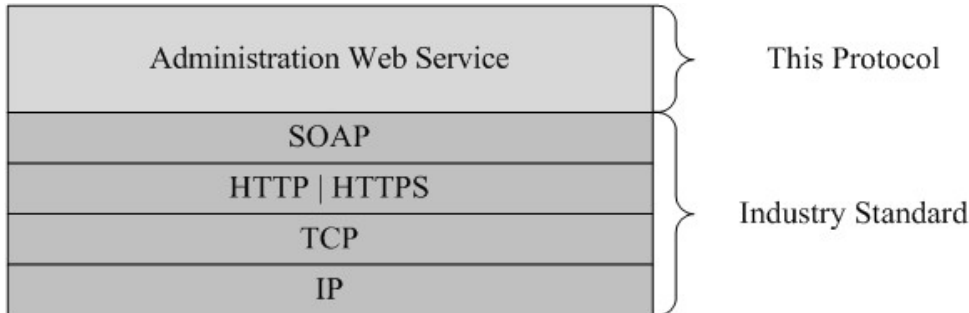
Figure 1: This protocol in relation to other protocols

1.5 Prerequisites/Preconditions

This protocol operates against a **site (2)** that is identified by a **URL** that is known by protocol clients. The protocol server **endpoint (4)** is formed by appending "/_vti_adm/admin.asmx" to the URL of the site, for example http://www.contoso.com/Repository/_vti_adm/admin.asmx.

This protocol assumes that authentication has been performed by the underlying protocols.

1.6 Applicability Statement

This protocol is applicable in scenarios where managing site collections is required.

1.7 Versioning and Capability Negotiation

This document covers versioning issues in the following areas:

Supported Transports: This protocol uses multiple transports with SOAP as specified in section 2.1, Transport.

1.8 Vendor-Extensible Fields

None.

1.9 Standards Assignments

None.

2   Messages

2.1   Transport

Protocol servers MUST support SOAP over HTTP. Protocol servers SHOULD additionally support SOAP over HTTPS for securing communication with clients.

Protocol messages MUST be formatted as specified either in [SOAP1.1], section 4 "SOAP Envelope" or in [SOAP1.2/1], section 5 "SOAP Message Construct." Protocol server faults MUST be returned either using HTTP **Status-Codes** as specified in [RFC2616], section 10 "Status Code Definitions" or using **SOAP faults** as specified either in [SOAP1.1], section 4.4 "SOAP Fault" or in [SOAP1.2/1], section 5.4 "SOAP Fault."

2.2   Common Message Syntax

This section contains common definitions used by this protocol. The syntax of the definitions uses **XML schema** as defined in [XMLSCHEMA1] and [XMLSCHEMA2], and WSDL as defined in [WSDL].

2.2.1   Namespaces

This protocol specifies and references **XML namespaces** using the mechanisms specified in [XMLNS]. Although this document associates a prefix for each XML namespace that is used, the choice of any particular prefix is implementation-specific and not significant for interoperability.

Prefix	Namespace URI	Reference
soap	http://schemas.xmlsoap.org/wsdl/soap/	[SOAP1.1]
tns	http://schemas.microsoft.com/sharepoint/soap/	
s	http://www.w3.org/2001/XMLSchema	[XMLSCHEMA1] [XMLSCHEMA2]
soap12	http://schemas.xmlsoap.org/wsdl/soap12/	[SOAP1.2/1] [SOAP1.2/2]
(none)	http://schemas.microsoft.com/sharepoint/soap/	
wsdl	http://schemas.xmlsoap.org/wsdl/	[WSDL]
mime	http://schemas.xmlsoap.org/wsdl/mime/	[WSDL]
s1	http://microsoft.com/wsdl/types/	
tm	http://microsoft.com/wsdl/mime/textMatching/	
http	http://schemas.xmlsoap.org/wsdl/http/	[RFC2616]
soapenc	http://schemas.xmlsoap.org/soap/encoding/	[SOAP1.2/1] [SOAP1.2/2]

2.2.2   Messages

This specification does not define any common WSDL message definitions.

2.2.3 Elements

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

2.2.4 Complex Types

2.2.4.1 SOAPFaultDetails

The details of a SOAP fault.

```
<s:schema xmlns:s="http://www.w3.org/2001/XMLSchema" targetNamespace="
http://schemas.microsoft.com/sharepoint/soap">
   <s:complexType name="SOAPFaultDetails">
      <s:sequence>
         <s:element name="errorstring" type="s:string"/>
         <s:element name="errorcode" type="s:string" minOccurs="0"/>
      </s:sequence>
   </s:complexType>
</s:schema>
```

errorstring: A human-readable text explaining the application-level fault.

errorcode: The hexadecimal representation of a 4-byte result code. The format inside the string MUST be 0xAAAAAAAA.

2.2.5 Simple Types

This specification does not define any common XML Schema simple type definitions.

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.

Except where specified, protocol clients SHOULD interpret HTTP Status-Codes returned by the protocol server as specified in [RFC2616], section 10 "Status Code Definitions."

This protocol allows protocol servers to notify protocol clients of application-level faults using SOAP faults. This protocol allows protocol servers to provide additional details for SOAP faults by including a **detail** element as specified either in [SOAP1.1], section 4.4 "SOAP Fault" or [SOAP1.2/1], section 5.4 "SOAP Fault" that conforms to the XML schema of the **SOAPFaultDetails** complex type specified in section 2.2.4.1. Except where specified, these SOAP faults are not significant for interoperability, and protocol clients can interpret them in an implementation-specific manner.

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

3.1   Server Details

The following diagram describes the communication between the protocol client and the protocol server.
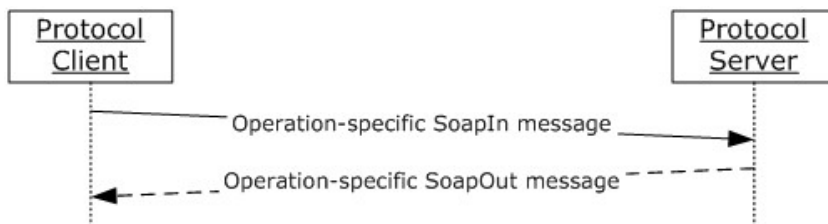
Figure 2: Message exchange between client and server

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.

There is a list of **site definitions** supported by this protocol server. The protocol client can customize a site to create custom templates. The protocol sever maintains a mapping between a custom template and its site definition.

For an overview of site (2), site collection and site definition and protocol sever in general, see [MS-WSSTS] section 2.1.2.6 Site, [MS-WSSTS] section 2.1.2.5 Site Collection, and [MS-WSSTS] section 2.1.3.1 Site Definition.

3.1.2   Timers

None.

3.1.3   Initialization

None.

3.1.4   Message Processing Events and Sequencing Rules

The following table summarizes the list of **WSDL operations** defined in this specification.

Operation	Description
CreateSite	Creates a site collection.
DeleteSite	Deletes the specified site collection.
GetLanguages	Returns information about the languages used in the protocol server deployment.
RefreshConfigCache	This operation does nothing and is now obsolete.

3.1.4.1   CreateSite

This operation creates a site collection.

```
<wsdl:operation name="CreateSite">
    <wsdl:input message="tns:CreateSiteSoapIn" />
    <wsdl:output message="tns:CreateSiteSoapOut" />
</wsdl:operation>
```

The client sends a **CreateSiteSoapIn** request message and the server responds with a **CreateSiteSoapOut** response message.

3.1.4.1.1   Messages

3.1.4.1.1.1   CreateSiteSoapIn

The request message that initiates the creation of the site collection.

The **SOAP action** value of the message is as follows:

```
http://schemas.microsoft.com/sharepoint/soap/CreateSite
```

The **SOAP body** contains a **CreateSite** element. The request message is governed by the following rules:

- The **absolute URL** of the site collection to be created MUST be included in the **request message**.

- If the URL is missing, the server MUST return a SOAP fault.

- If the URL is not valid, the server MUST return a SOAP fault. See section 3.1.4.1.2.1 for restrictions.

- If the URL already exists, the server MUST return a SOAP fault.

- If the **LCID** is not installed, then the server MUST return a SOAP fault with error code 0x8102005e.

- If **WebTemplate** is not empty, and if it is not available in the list of templates and it is not a custom template, then the server MUST return a SOAP fault.

- The valid **OwnerLogin** MUST be included in the request message.

- If **OwnerLogin** is not an existing domain user account, the server MUST return a SOAP fault with error code 0x80131600.

3.1.4.1.1.2 CreateSiteSoapOut

The **response message** in reply to the request initiated with the **CreateSiteSoapIn** message to create a site collection.

The SOAP action value of the message is as follows:

```
http://schemas.microsoft.com/sharepoint/soap/CreateSite
```

The SOAP body contains a **CreateSiteResponse** element.

3.1.4.1.2 Elements

3.1.4.1.2.1 CreateSite

Creates a site collection.

```
<s:element name="CreateSite">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="0" maxOccurs="1" name="Url" type="s:string" />
      <s:element minOccurs="0" maxOccurs="1" name="Title" type="s:string"/>
      <s:element minOccurs="0" maxOccurs="1" name="Description" type="s:string"/>
      <s:element minOccurs="0" maxOccurs="1" name="Lcid" type="s:int" />
      <s:element minOccurs="0" maxOccurs="1" name="WebTemplate" type="s:string"/>
      <s:element minOccurs="0" maxOccurs="1" name="OwnerLogin" type="s:string" />
      <s:element minOccurs="0" maxOccurs="1" name="OwnerName" type="s:string"/>
      <s:element minOccurs="0" maxOccurs="1" name="OwnerEmail" type="s:string"/>
      <s:element minOccurs="0" maxOccurs="1" name="PortalUrl" type="s:string"/>
      <s:element minOccurs="0" maxOccurs="1" name="PortalName" type="s:string"/>
    </s:sequence>
  </s:complexType>
</s:element>
```

Url: The absolute URL of the site collection. It MUST be formatted as either http://ServerName:PortNumber/sites/SiteCollectionName or http://ServerName/sites/SiteCollectionName. Its maximum length, not including http://ServerName, is 128 characters. If it is missing or absent, the server MUST return a SOAP fault. **PortNumber** in the first format MUST be either 80 or the port number used by the Administration Web Service on the protocol server.

Title: The display name of the site collection. It MUST be less than or equal to 255 characters. If nothing is specified, the site will have a default title of "Team Site".

Description: A description of the site collection. It MUST be less than or equal to 255 characters. If nothing is specified, the site will not have a description.

Lcid: A valid LCID, as specified in [MS-LCID], which specifies the language that is used in the site collection. If it is missing, the server MUST assign a default LCID.<1>

WebTemplate: The name of the **site template** to use when creating the site collection. **GetSiteTemplates** in [MS-SITESS] section 3.1.4.5 can be used to get a list of site templates. If no template is specified, then no template will be applied to the site at creation time.

OwnerLogin: The **user name** of the site collection owner. It MUST be less than or equal to 255 characters.<2> If it is missing, the server MUST return a SOAP fault.

OwnerName: The display name of the owner. It MUST be less than or equal to 255 characters. If it is not specified, the name will be taken from the user database entry corresponding to the owner user.

OwnerEmail: The e-mail address of the owner. It MUST be less than or equal to 255 characters. If it is not specified, the e-mail will be taken from the user database entry corresponding to the owner user.

PortalUrl: The URL of the **portal site** for the site collection. It MUST be less than or equal to 260 characters. If nothing is specified, no portal URL will be set in the database. There is no URL validation performed on this element other than the check for its existence. If the URL is absent or empty, no portal URL will be set in the database.

PortalName: The name of the portal site for the site collection. It MUST be less than or equal to 255 characters. If nothing is specified, no portal name will be set in the database.

3.1.4.1.2.2   CreateSiteResponse

CreateSiteResponse is returned as the response to the **CreateSiteRequest** message.

```
<s:element name="CreateSiteResponse">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="0" maxOccurs="1" name="CreateSiteResult" type="s:string"/>
    </s:sequence>
  </s:complexType>
</s:element>
```

CreateSiteResult: Specifies the URL of the new site collection.

3.1.4.1.3   Complex Types

None.

3.1.4.1.4   Simple Types

None.

3.1.4.1.5   Attributes

None.

3.1.4.1.6   Groups

None.

3.1.4.1.7   Attribute Groups

None.

3.1.4.2   DeleteSite

This operation deletes the specified site collection.

```
<wsdl:operation name="DeleteSite">
    <wsdl:input message="tns:DeleteSiteSoapIn" />
    <wsdl:output message="tns:DeleteSiteSoapOut" />
</wsdl:operation>
```

The client sends a **DeleteSiteSoapIn** request message and the server responds with a
DeleteSiteSoapOut response message.

▪   The request message MUST contain the absolute URL of the site collection to be deleted.

3.1.4.2.1   Messages

3.1.4.2.1.1   DeleteSiteSoapIn

The message requesting deletion of the site collection.

The SOAP action value of the message is as follows:

```
http://schemas.microsoft.com/sharepoint/soap/DeleteSite
```

The SOAP body contains a **DeleteSite** element. The request message is governed by the following
rules:

▪   The absolute URL of the site collection to be deleted MUST be included in the request message.

▪   If the URL is missing, the server MUST return a SOAP fault.

▪   If the URL is not valid, the server MUST return a SOAP fault.

▪   If the URL does not exist, the server MUST return a SOAP fault.

3.1.4.2.1.2   DeleteSiteSoapOut

The response message reply to the request initiated with the **DeleteSiteSoapIn** message to delete
the site collection.

The SOAP action value of the message is as follows:

```
http://schemas.microsoft.com/sharepoint/soap/DeleteSite
```

The SOAP body contains a **DeleteSiteResponse** element.

3.1.4.2.2 Elements

3.1.4.2.2.1 DeleteSite

Deletes the specified site collection.

```
<s:element name="DeleteSite">
  <s:complexType>
    <s:sequence>
      <s:element name="Url" type="s:string" />
    </s:sequence>
  </s:complexType>
</s:element>
```

Url: The absolute URL of the site collection to be deleted.

3.1.4.2.2.2 DeleteSiteResponse

DeleteSiteResponse is returned as the response to the **DeleteSiteRequest**.

```
<s:element name="DeleteSiteResponse">  <s:complexType/></s:element>
```

3.1.4.2.3 Complex Types

None.

3.1.4.2.4 Simple Types

None.

3.1.4.2.5 Attributes

None.

3.1.4.2.6 Groups

None.

3.1.4.2.7 Attribute Groups

None.

3.1.4.3 GetLanguages

Returns LCID values that specify the languages used in the protocol server deployment.

```
<wsdl:operation name="GetLanguages">
    <wsdl:input message="tns:GetLanguagesSoapIn" />
    <wsdl:output message="tns:GetLanguagesSoapOut" />
</wsdl:operation>
```

The client sends a **GetLanguagesSoapIn** request message and the server responds with a **GetLanguagesSoapOut** response message.

3.1.4.3.1 Messages

3.1.4.3.1.1 GetLanguagesSoapIn

Provides the request message to obtain LCID values.

The SOAP action value of the message is as follows:

```
http://schemas.microsoft.com/sharepoint/soap/GetLanguages
```

The SOAP body contains a **GetLanguages** element.

3.1.4.3.1.2 GetLanguagesSoapOut

The response message to the LCID request.

The SOAP action value of the message is as follows:

```
http://schemas.microsoft.com/sharepoint/soap/GetLanguages
```

The SOAP body contains a **GetLanguagesResponse** element.

3.1.4.3.2 Elements

3.1.4.3.2.1 GetLanguages

GetLanguages returns LCID values that specify the languages used in the protocol server deployment.

```
<s:element name="GetLanguages">
  <s:complexType/>
</s:element>
```

3.1.4.3.2.2 GetLanguagesResponse

GetLanguagesResponse is returned as the response message in reply to the **GetLanguagesRequest** message.

```
<s:element name="GetLanguagesResponse">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="1" maxOccurs="1" name="GetLanguagesResult">
        <s:complexType>
         <s:sequence>
           <s:element name="Languages">
             <s:complexType>
               <s:sequence>
                 <s:element maxOccurs="unbounded" name="LCID" type="s:int" />
```

```
              </s:sequence>
            </s:complexType>
          </s:element>
        </s:sequence>
      </s:complexType>
    </s:element>
  </s:sequence>
</s:complexType>
</s:element>
```

GetLanguagesResult: Provides the locale identifiers (LCIDs) of languages used in the deployment.

3.1.4.3.3 Complex Types

None.

3.1.4.3.4 Simple Types

None.

3.1.4.3.5 Attributes

None.

3.1.4.3.6 Groups

None.

3.1.4.3.7 Attribute Groups

None.

3.1.4.4 RefreshConfigCache

This operation does nothing and is obsolete. **RefreshConfigCache** SHOULD NOT<u><3></u> be used.

```
<wsdl:operation name="RefreshConfigCache">
    <wsdl:input message="tns:RefreshConfigCacheSoapIn" />
    <wsdl:output message="tns:RefreshConfigCacheSoapOut" />
</wsdl:operation>
```

The client sends a **RefreshConfigCacheSoapIn** request message and the server responds with a **RefreshConfigCacheSoapOut** response message.

3.1.4.4.1 Messages

3.1.4.4.1.1 RefreshConfigCacheSoapIn

The response message reply to the request initiated with the **RefreshConfigCacheSoapIn** message is obsolete.

The SOAP action value of the message is as follows:

```
http://schemas.microsoft.com/sharepoint/soap/RefreshConfigCache
```

The SOAP body contains a **RefreshConfigCache** element.

3.1.4.4.1.2 RefreshConfigCacheSoapOut

RefreshConfigCacheSoapOut does nothing and is obsolete.

The SOAP action value of the message is:

```
http://schemas.microsoft.com/sharepoint/soap/RefreshConfigCache
```

The SOAP body contains a **RefreshConfigCacheResponse** element.

3.1.4.4.2 Elements

3.1.4.4.2.1 RefreshConfigCache

This element does nothing and is obsolete.

```
<s:element name="RefreshConfigCache">
  <s:complexType>
    <s:sequence>
      <s:element name="VirtualServerId" type="s1:guid"/>
      <s:element name="AdminGroupChanged" type="s:boolean"/>
    </s:sequence>
  </s:complexType>
</s:element>
```

VirtualServerId: The **GUID** for **web application (1)**.

AdminGroupChanged: Set to "true" to specify that the administrator group has changed; otherwise, "false".

3.1.4.4.2.2 RefreshConfigCacheResponse

RefreshConfigCacheResponse does nothing and is obsolete.

```
<s:element name="RefreshConfigCacheResponse">
  <s:complexType/>
</s:element>
```

3.1.4.4.3 Complex Types

None.

3.1.4.4.4 Simple Types

None.

3.1.4.4.5   Attributes

None.

3.1.4.4.6   Groups

None.

3.1.4.4.7   Attribute Groups

None.

3.1.5   Timer Events

None.

3.1.6   Other Local Events

None.

4 Protocol Examples

4.1 CreateSite

The following example demonstrates the protocol client requests and protocol server responses from the Administration Web Service Protocol to create a site collection.

The protocol client sends a **CreateSite** request to create a site collection.

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <CreateSite xmlns="http://schemas.microsoft.com/sharepoint/soap/">
      <Url>http://server/sites/examplesite</Url>
      <Title>ExampleSite</Title>
      <Description>ExampleSite description </Description>
      <Lcid>1033</Lcid>
      <WebTemplate>STS#0</WebTemplate>
      <OwnerLogin>domain\username</OwnerLogin>
      <OwnerName>owner name</OwnerName>
      <OwnerEmail>someone@microsoft.com</OwnerEmail>
      <PortalUrl />
      <PortalName />
    </CreateSite>
  </soap:Body>
</soap:Envelope>
```

The protocol server creates the site collection and responds as follows:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <CreateSiteResponse xmlns="http://schemas.microsoft.com/sharepoint/soap/">
      <CreateSiteResult>http://server/sites/examplesite</CreateSiteResult>
    </CreateSiteResponse>
  </soap:Body>
</soap:Envelope>
```

4.2 DeleteSite

The following example demonstrates the protocol client requests and protocol server responses from the Administration Web Service Protocol to delete the site collection.

The protocol client sends a **DeleteSite** request to delete the site collection.

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
```

```
      <DeleteSite xmlns="http://schemas.microsoft.com/sharepoint/soap/">
        <Url>http://server/sites/examplesite</Url>
      </DeleteSite>
    </soap:Body>
  </soap:Envelope>
```

The protocol server deletes the site collection and responds as follows:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <DeleteSiteResponse xmlns="http://schemas.microsoft.com/sharepoint/soap/" />
  </soap:Body>
</soap:Envelope>
```

4.3 GetLanguages

The following example demonstrates the protocol client requests and protocol server responses from the Administration Web Service Protocol to get information about languages used in the deployment of the protocol server.

The protocol client sends a **GetLanguages** request.

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetLanguages xmlns="http://schemas.microsoft.com/sharepoint/soap/" />
  </soap:Body>
</soap:Envelope>
```

The protocol server responds as follows:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetLanguagesResponse xmlns="http://schemas.microsoft.com/sharepoint/soap/">
      <GetLanguagesResult>
        <Languages xmlns="http://schemas.microsoft.com/sharepoint/soap/">
          <LCID>1033</LCID>
        </Languages>
      </GetLanguagesResult>
    </GetLanguagesResponse>
  </soap:Body>
</soap:Envelope>
```

5 Security

5.1 Security Considerations for Implementers

This protocol introduces no additional security considerations beyond those applicable to its underlying protocols.

5.2 Index of Security Parameters

None.

6 Appendix A: Full WSDL

For ease of implementation, the following full **WSDL** is provided:

```xml
<?xml version="1.0" encoding="utf-8"?>
<wsdl:definitions xmlns:s="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/"
xmlns:mime="http://schemas.xmlsoap.org/wsdl/mime/"
xmlns:tns="http://schemas.microsoft.com/sharepoint/soap/"
xmlns:s1="http://microsoft.com/wsdl/types/"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:tm="http://microsoft.com/wsdl/mime/textMatching/"
xmlns:http="http://schemas.xmlsoap.org/wsdl/http/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
targetNamespace="http://schemas.microsoft.com/sharepoint/soap/"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:types>
    <s:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/sharepoint/soap/">
      <s:import namespace="http://microsoft.com/wsdl/types/" />
      <s:element name="CreateSite">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="Url" type="s:string" />
            <s:element minOccurs="0" maxOccurs="1" name="Title" type="s:string" />
            <s:element minOccurs="0" maxOccurs="1" name="Description" type="s:string" />
            <s:element minOccurs="0" maxOccurs="1" name="Lcid" type="s:int" />
            <s:element minOccurs="0" maxOccurs="1" name="WebTemplate" type="s:string" />
            <s:element minOccurs="0" maxOccurs="1" name="OwnerLogin" type="s:string" />
            <s:element minOccurs="0" maxOccurs="1" name="OwnerName" type="s:string" />
            <s:element minOccurs="0" maxOccurs="1" name="OwnerEmail" type="s:string" />
            <s:element minOccurs="0" maxOccurs="1" name="PortalUrl" type="s:string" />
            <s:element minOccurs="0" maxOccurs="1" name="PortalName" type="s:string" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="CreateSiteResponse">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="CreateSiteResult" type="s:string" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="DeleteSite">
        <s:complexType>
          <s:sequence>
            <s:element name="Url" type="s:string" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="DeleteSiteResponse">
        <s:complexType />
      </s:element>
      <s:element name="GetLanguages">
        <s:complexType />
      </s:element>
      <s:element name="GetLanguagesResponse">
        <s:complexType>
          <s:sequence>
```

```xml
                <s:element minOccurs="1" maxOccurs="1" name="GetLanguagesResult">
                  <s:complexType>
                    <s:sequence>
                      <s:element name="Languages">
                        <s:complexType>
                          <s:sequence>
                            <s:element maxOccurs="unbounded" name="LCID" type="s:int" />
                          </s:sequence>
                        </s:complexType>
                      </s:element>
                    </s:sequence>
                  </s:complexType>
                </s:element>
              </s:sequence>
            </s:complexType>
          </s:element>
          <s:element name="RefreshConfigCache">
            <s:complexType>
              <s:sequence>
                <s:element name="VirtualServerId" type="s1:guid" />
                <s:element name="AdminGroupChanged" type="s:boolean" />
              </s:sequence>
            </s:complexType>
          </s:element>
          <s:element name="RefreshConfigCacheResponse">
            <s:complexType />
          </s:element>
        </s:schema>
        <s:schema elementFormDefault="qualified"
    targetNamespace="http://microsoft.com/wsdl/types/">
          <s:simpleType name="guid">
            <s:restriction base="s:string">
              <s:pattern value="[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12}" />
            </s:restriction>
          </s:simpleType>
        </s:schema>
        <s:schema targetNamespace="http://schemas.microsoft.com/sharepoint/soap">
          <s:complexType name="SOAPFaultDetails">
            <s:sequence>
              <s:element name="errorstring" type="s:string"/>
              <s:element name="errorcode" type="s:string" minOccurs="0"/>
            </s:sequence>
          </s:complexType>
        </s:schema>
      </wsdl:types>
      <wsdl:message name="CreateSiteSoapIn">
        <wsdl:part name="parameters" element="tns:CreateSite" />
      </wsdl:message>
      <wsdl:message name="CreateSiteSoapOut">
        <wsdl:part name="parameters" element="tns:CreateSiteResponse" />
      </wsdl:message>
      <wsdl:message name="DeleteSiteSoapIn">
        <wsdl:part name="parameters" element="tns:DeleteSite" />
      </wsdl:message>
      <wsdl:message name="DeleteSiteSoapOut">
        <wsdl:part name="parameters" element="tns:DeleteSiteResponse" />
      </wsdl:message>
      <wsdl:message name="GetLanguagesSoapIn">
```

```
      <wsdl:part name="parameters" element="tns:GetLanguages" />
    </wsdl:message>
    <wsdl:message name="GetLanguagesSoapOut">
      <wsdl:part name="parameters" element="tns:GetLanguagesResponse" />
    </wsdl:message>
    <wsdl:message name="RefreshConfigCacheSoapIn">
      <wsdl:part name="parameters" element="tns:RefreshConfigCache" />
    </wsdl:message>
    <wsdl:message name="RefreshConfigCacheSoapOut">
      <wsdl:part name="parameters" element="tns:RefreshConfigCacheResponse" />
    </wsdl:message>
    <wsdl:portType name="AdminSoap">
      <wsdl:operation name="CreateSite">
        <wsdl:input message="tns:CreateSiteSoapIn" />
        <wsdl:output message="tns:CreateSiteSoapOut" />
      </wsdl:operation>
      <wsdl:operation name="DeleteSite">
        <wsdl:input message="tns:DeleteSiteSoapIn" />
        <wsdl:output message="tns:DeleteSiteSoapOut" />
      </wsdl:operation>
      <wsdl:operation name="GetLanguages">
        <wsdl:input message="tns:GetLanguagesSoapIn" />
        <wsdl:output message="tns:GetLanguagesSoapOut" />
      </wsdl:operation>
      <wsdl:operation name="RefreshConfigCache">
        <wsdl:input message="tns:RefreshConfigCacheSoapIn" />
        <wsdl:output message="tns:RefreshConfigCacheSoapOut" />
      </wsdl:operation>
    </wsdl:portType>
    <wsdl:binding name="AdminSoap" type="tns:AdminSoap">
      <soap:binding transport="http://schemas.xmlsoap.org/soap/http" />
      <wsdl:operation name="CreateSite">
        <soap:operation soapAction="http://schemas.microsoft.com/sharepoint/soap/CreateSite"
style="document" />
        <wsdl:input>
          <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
          <soap:body use="literal" />
        </wsdl:output>
      </wsdl:operation>
      <wsdl:operation name="DeleteSite">
        <soap:operation soapAction="http://schemas.microsoft.com/sharepoint/soap/DeleteSite"
style="document" />
        <wsdl:input>
          <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
          <soap:body use="literal" />
        </wsdl:output>
      </wsdl:operation>
      <wsdl:operation name="GetLanguages">
        <soap:operation soapAction="http://schemas.microsoft.com/sharepoint/soap/GetLanguages"
style="document" />
        <wsdl:input>
          <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
          <soap:body use="literal" />
```

```
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="RefreshConfigCache">
      <soap:operation
soapAction="http://schemas.microsoft.com/sharepoint/soap/RefreshConfigCache" style="document"
/>
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
  </wsdl:binding>
  <wsdl:binding name="AdminSoap12" type="tns:AdminSoap">
    <soap12:binding transport="http://schemas.xmlsoap.org/soap/http" />
    <wsdl:operation name="CreateSite">
      <soap12:operation soapAction="http://schemas.microsoft.com/sharepoint/soap/CreateSite"
style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="DeleteSite">
      <soap12:operation soapAction="http://schemas.microsoft.com/sharepoint/soap/DeleteSite"
style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetLanguages">
      <soap12:operation
soapAction="http://schemas.microsoft.com/sharepoint/soap/GetLanguages" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="RefreshConfigCache">
      <soap12:operation
soapAction="http://schemas.microsoft.com/sharepoint/soap/RefreshConfigCache" style="document"
/>
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </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

▪ Windows® SharePoint® Services 2.0

▪ Windows® SharePoint® Services 3.0

▪ Microsoft® SharePoint® Foundation 2013

Exceptions, if any, are noted below. If a service pack or Quick Fix Engineering (QFE) number appears with the product version, behavior changed in that service pack or QFE. The new behavior also applies to subsequent service packs of the product unless otherwise specified. If a product edition appears with the product version, behavior is different in that product edition.

Unless otherwise specified, any statement of optional behavior in this specification that is prescribed using the terms SHOULD or SHOULD NOT implies product behavior in accordance with the SHOULD or SHOULD NOT prescription. Unless otherwise specified, the term MAY implies that the product does not follow the prescription.

<1> Section 3.1.4.1.2.1: Windows SharePoint Services 2.0, Windows SharePoint Services 3.0, SharePoint Foundation 2010, and SharePoint Foundation 2013 use a default LCID based on the default server install language.

<2> Section 3.1.4.1.2.1: The max length for **OwnerLogin** is 20 characters on Windows Server 2008.

<3> Section 3.1.4.4: Windows SharePoint Services 2.0 uses this operation to refresh in-memory copies of data from the **configuration database**.

8   Change Tracking

This section identifies changes that were made to the [MS-ADMINS] protocol document between the September 2012 and October 2012 releases. Changes are classified as New, Major, Minor, Editorial, or No change.

The revision class **New** means that a new document is being released.

The revision class **Major** means that the technical content in the document was significantly revised. Major changes affect protocol interoperability or implementation. Examples of major changes are:

- A document revision that incorporates changes to interoperability requirements or functionality.

- An extensive rewrite, addition, or deletion of major portions of content.

- The removal of a document from the documentation set.

- Changes made for template compliance.

The revision class **Minor** means that the meaning of the technical content was clarified. Minor changes do not affect protocol interoperability or implementation. Examples of minor changes are updates to clarify ambiguity at the sentence, paragraph, or table level.

The revision class **Editorial** means that the language and formatting in the technical content was changed. Editorial changes apply to grammatical, formatting, and style issues.

The revision class **No change** means that no new technical or language changes were introduced. The technical content of the document is identical to the last released version, but minor editorial and formatting changes, as well as updates to the header and footer information, and to the revision summary, may have been made.

Major and minor changes can be described further using the following change types:

- New content added.

- Content updated.

- Content removed.

- New product behavior note added.

- Product behavior note updated.

- Product behavior note removed.

- New protocol syntax added.

- Protocol syntax updated.

- Protocol syntax removed.

- New content added due to protocol revision.

- Content updated due to protocol revision.

- Content removed due to protocol revision.

- New protocol syntax added due to protocol revision.

- Protocol syntax updated due to protocol revision.

- Protocol syntax removed due to protocol revision.

- New content added for template compliance.

- Content updated for template compliance.

- Content removed for template compliance.

- Obsolete document removed.

Editorial changes are always classified with the change type **Editorially updated.**

Some important terms used in the change type descriptions are defined as follows:

- **Protocol syntax** refers to data elements (such as packets, structures, enumerations, and methods) as well as interfaces.

- **Protocol revision** refers to changes made to a protocol that affect the bits that are sent over the wire.

The changes made to this document are listed in the following table. For more information, please contact protocol@microsoft.com.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
3.1.4.1 CreateSite	Updated the WSDL fragment for this operation.	N	Content updated.
3.1.4.1.2.1 CreateSite	Updated the minOccurs and maxOccurs values in the XML schema.	N	Content updated.
3.1.4.1.2.2 CreateSiteResponse	Modified the xml schema for CreateSiteResponse	N	Content updated.
3.1.4.2 DeleteSite	Updated the WSDL fragment for this operation.	N	Content updated.
3.1.4.3 GetLanguages	Updated the WSDL fragment for this operation.	N	Content updated.
3.1.4.3.2.2 GetLanguagesResponse	Modified the xml schema for GetLanguagesResponse.	N	Content updated.
3.1.4.4 RefreshConfigCache	Updated the WSDL fragment for this operation.	N	Content updated.
3.1.4.4.2.1 RefreshConfigCache	Added a definition number for term "Web application".	N	Content updated.
6 Appendix A: Full WSDL	Modified the wsdl for CreateSite.	N	Content updated.

Release: October 8, 2012

9 Index