**[MS-CDEPLOY]:**

**Content Deployment Remote Import Web Service Protocol**

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Table of Contents

[1 Introduction 8](#_Toc83915961)

[1.1 Glossary 8](#_Toc83915962)

[1.2 References 10](#_Toc83915963)

[1.2.1 Normative References 10](#_Toc83915964)

[1.2.2 Informative References 10](#_Toc83915965)

[1.3 Overview 11](#_Toc83915966)

[1.4 Relationship to Other Protocols 11](#_Toc83915967)

[1.5 Prerequisites/Preconditions 11](#_Toc83915968)

[1.6 Applicability Statement 11](#_Toc83915969)

[1.7 Versioning and Capability Negotiation 11](#_Toc83915970)

[1.8 Vendor-Extensible Fields 12](#_Toc83915971)

[1.9 Standards Assignments 12](#_Toc83915972)

[2 Messages 13](#_Toc83915973)

[2.1 Transport 13](#_Toc83915974)

[2.2 Common Message Syntax 13](#_Toc83915975)

[2.2.1 Namespaces 13](#_Toc83915976)

[2.2.2 Messages 13](#_Toc83915977)

[2.2.3 Elements 13](#_Toc83915978)

[2.2.4 Complex Types 14](#_Toc83915979)

[2.2.5 Simple Types 14](#_Toc83915980)

[2.2.5.1 guid 14](#_Toc83915981)

[2.2.6 Attributes 14](#_Toc83915982)

[2.2.7 Groups 14](#_Toc83915983)

[2.2.8 Attribute Groups 14](#_Toc83915984)

[3 Protocol Details 15](#_Toc83915985)

[3.1 ContentDeploymentRemoteImportSoap Server Details 15](#_Toc83915986)

[3.1.1 Abstract Data Model 15](#_Toc83915987)

[3.1.2 Timers 15](#_Toc83915988)

[3.1.3 Initialization 15](#_Toc83915989)

[3.1.4 Message Processing Events and Sequencing Rules 15](#_Toc83915990)

[3.1.4.1 CancelJob 16](#_Toc83915991)

[3.1.4.1.1 Messages 16](#_Toc83915992)

[3.1.4.1.1.1 CancelJobSoapIn 16](#_Toc83915993)

[3.1.4.1.1.2 CancelJobSoapOut 16](#_Toc83915994)

[3.1.4.1.2 Elements 17](#_Toc83915995)

[3.1.4.1.2.1 CancelJob 17](#_Toc83915996)

[3.1.4.1.2.2 CancelJobResponse 17](#_Toc83915997)

[3.1.4.1.3 Complex Types 17](#_Toc83915998)

[3.1.4.1.4 Simple Types 17](#_Toc83915999)

[3.1.4.1.5 Attributes 17](#_Toc83916000)

[3.1.4.1.6 Groups 17](#_Toc83916001)

[3.1.4.1.7 Attribute Groups 18](#_Toc83916002)

[3.1.4.2 CreateJob 18](#_Toc83916003)

[3.1.4.2.1 Messages 18](#_Toc83916004)

[3.1.4.2.1.1 CreateJobSoapIn 18](#_Toc83916005)

[3.1.4.2.1.2 CreateJobSoapOut 18](#_Toc83916006)

[3.1.4.2.2 Elements 19](#_Toc83916007)

[3.1.4.2.2.1 CreateJob 19](#_Toc83916008)

[3.1.4.2.2.2 CreateJobResponse 20](#_Toc83916009)

[3.1.4.2.3 Complex Types 20](#_Toc83916010)

[3.1.4.2.4 Simple Types 20](#_Toc83916011)

[3.1.4.2.4.1 SPIncludeSecurity 20](#_Toc83916012)

[3.1.4.2.4.2 SPImportUserInfoDateTimeOption 20](#_Toc83916013)

[3.1.4.2.5 Attributes 21](#_Toc83916014)

[3.1.4.2.6 Groups 21](#_Toc83916015)

[3.1.4.2.7 Attribute Groups 21](#_Toc83916016)

[3.1.4.3 DeleteImportLogs 21](#_Toc83916017)

[3.1.4.3.1 Messages 21](#_Toc83916018)

[3.1.4.3.1.1 DeleteImportLogsSoapIn 22](#_Toc83916019)

[3.1.4.3.1.2 DeleteImportLogsSoapOut 22](#_Toc83916020)

[3.1.4.3.2 Elements 22](#_Toc83916021)

[3.1.4.3.2.1 DeleteImportLogs 22](#_Toc83916022)

[3.1.4.3.2.2 DeleteImportLogsResponse 22](#_Toc83916023)

[3.1.4.3.3 Complex Types 23](#_Toc83916024)

[3.1.4.3.4 Simple Types 23](#_Toc83916025)

[3.1.4.3.5 Attributes 23](#_Toc83916026)

[3.1.4.3.6 Groups 23](#_Toc83916027)

[3.1.4.3.7 Attribute Groups 23](#_Toc83916028)

[3.1.4.4 DeleteJob 23](#_Toc83916029)

[3.1.4.4.1 Messages 23](#_Toc83916030)

[3.1.4.4.1.1 DeleteJobSoapIn 24](#_Toc83916031)

[3.1.4.4.1.2 DeleteJobSoapOut 24](#_Toc83916032)

[3.1.4.4.2 Elements 24](#_Toc83916033)

[3.1.4.4.2.1 DeleteJob 24](#_Toc83916034)

[3.1.4.4.2.2 DeleteJobResponse 24](#_Toc83916035)

[3.1.4.4.3 Complex Types 25](#_Toc83916036)

[3.1.4.4.4 Simple Types 25](#_Toc83916037)

[3.1.4.4.5 Attributes 25](#_Toc83916038)

[3.1.4.4.6 Groups 25](#_Toc83916039)

[3.1.4.4.7 Attribute Groups 25](#_Toc83916040)

[3.1.4.5 GetJobStatus 25](#_Toc83916041)

[3.1.4.5.1 Messages 25](#_Toc83916042)

[3.1.4.5.1.1 GetJobStatusSoapIn 25](#_Toc83916043)

[3.1.4.5.1.2 GetJobStatusSoapOut 26](#_Toc83916044)

[3.1.4.5.2 Elements 26](#_Toc83916045)

[3.1.4.5.2.1 GetJobStatus 26](#_Toc83916046)

[3.1.4.5.2.2 GetJobStatusResponse 26](#_Toc83916047)

[3.1.4.5.3 Complex Types 27](#_Toc83916048)

[3.1.4.5.3.1 ContentDeploymentRemoteJobStatus 27](#_Toc83916049)

[3.1.4.5.3.2 ArrayOfReportMessage 28](#_Toc83916050)

[3.1.4.5.3.3 ReportMessage 28](#_Toc83916051)

[3.1.4.5.4 Simple Types 28](#_Toc83916052)

[3.1.4.5.4.1 ContentDeploymentJobStatus 29](#_Toc83916053)

[3.1.4.5.4.2 MessageSeverity 29](#_Toc83916054)

[3.1.4.5.5 Attributes 30](#_Toc83916055)

[3.1.4.5.6 Groups 30](#_Toc83916056)

[3.1.4.5.7 Attribute Groups 30](#_Toc83916057)

[3.1.4.6 GetRemoteAdminServerUrl 30](#_Toc83916058)

[3.1.4.6.1 Messages 30](#_Toc83916059)

[3.1.4.6.1.1 GetRemoteAdminServerUrlSoapIn 30](#_Toc83916060)

[3.1.4.6.1.2 GetRemoteAdminServerUrlSoapOut 31](#_Toc83916061)

[3.1.4.6.2 Elements 31](#_Toc83916062)

[3.1.4.6.2.1 GetRemoteAdminServerUrl 31](#_Toc83916063)

[3.1.4.6.2.2 GetRemoteAdminServerUrlResponse 31](#_Toc83916064)

[3.1.4.6.3 Complex Types 32](#_Toc83916065)

[3.1.4.6.4 Simple Types 32](#_Toc83916066)

[3.1.4.6.5 Attributes 32](#_Toc83916067)

[3.1.4.6.6 Groups 32](#_Toc83916068)

[3.1.4.6.7 Attribute Groups 32](#_Toc83916069)

[3.1.4.7 GetSiteCollectionNames 32](#_Toc83916070)

[3.1.4.7.1 Messages 32](#_Toc83916071)

[3.1.4.7.1.1 GetSiteCollectionNamesSoapIn 32](#_Toc83916072)

[3.1.4.7.1.2 GetSiteCollectionNamesSoapOut 33](#_Toc83916073)

[3.1.4.7.2 Elements 33](#_Toc83916074)

[3.1.4.7.2.1 GetSiteCollectionNames 33](#_Toc83916075)

[3.1.4.7.2.2 GetSiteCollectionNamesResponse 33](#_Toc83916076)

[3.1.4.7.3 Complex Types 34](#_Toc83916077)

[3.1.4.7.3.1 ArrayOfString 34](#_Toc83916078)

[3.1.4.7.4 Simple Types 34](#_Toc83916079)

[3.1.4.7.5 Attributes 34](#_Toc83916080)

[3.1.4.7.6 Groups 34](#_Toc83916081)

[3.1.4.7.7 Attribute Groups 34](#_Toc83916082)

[3.1.4.8 GetVirtualServersInformation 34](#_Toc83916083)

[3.1.4.8.1 Messages 35](#_Toc83916084)

[3.1.4.8.1.1 GetVirtualServersInformationSoapIn 35](#_Toc83916085)

[3.1.4.8.1.2 GetVirtualServersInformationSoapOut 35](#_Toc83916086)

[3.1.4.8.2 Elements 35](#_Toc83916087)

[3.1.4.8.2.1 GetVirtualServersInformation 35](#_Toc83916088)

[3.1.4.8.2.2 GetVirtualServersInformationResponse 36](#_Toc83916089)

[3.1.4.8.3 Complex Types 36](#_Toc83916090)

[3.1.4.8.3.1 ArrayOfVirtualServerInformation 36](#_Toc83916091)

[3.1.4.8.3.2 VirtualServerInformation 36](#_Toc83916092)

[3.1.4.8.4 Simple Types 37](#_Toc83916093)

[3.1.4.8.5 Attributes 37](#_Toc83916094)

[3.1.4.8.6 Groups 37](#_Toc83916095)

[3.1.4.8.7 Attribute Groups 37](#_Toc83916096)

[3.1.4.9 RunJob 37](#_Toc83916097)

[3.1.4.9.1 Messages 37](#_Toc83916098)

[3.1.4.9.1.1 RunJobSoapIn 38](#_Toc83916099)

[3.1.4.9.1.2 RunJobSoapOut 38](#_Toc83916100)

[3.1.4.9.2 Elements 38](#_Toc83916101)

[3.1.4.9.2.1 RunJob 38](#_Toc83916102)

[3.1.4.9.2.2 RunJobResponse 38](#_Toc83916103)

[3.1.4.9.3 Complex Types 38](#_Toc83916104)

[3.1.4.9.4 Simple Types 39](#_Toc83916105)

[3.1.4.9.5 Attributes 39](#_Toc83916106)

[3.1.4.9.6 Groups 39](#_Toc83916107)

[3.1.4.9.7 Attribute Groups 39](#_Toc83916108)

[3.1.5 Timer Events 39](#_Toc83916109)

[3.1.6 Other Local Events 39](#_Toc83916110)

[3.2 ContentDeploymentRemoteImportSoap Client Details 39](#_Toc83916111)

[3.2.1 Abstract Data Model 39](#_Toc83916112)

[3.2.2 Timers 39](#_Toc83916113)

[3.2.3 Initialization 39](#_Toc83916114)

[3.2.4 Message Processing Events and Sequencing Rules 39](#_Toc83916115)

[3.2.5 Timer Events 40](#_Toc83916116)

[3.2.6 Other Local Events 40](#_Toc83916117)

[4 Protocol Examples 41](#_Toc83916118)

[4.1 GetRemoteAdminServerUrl 41](#_Toc83916119)

[4.2 CreateJob 41](#_Toc83916120)

[4.3 GetJobStatus 42](#_Toc83916121)

[5 Security 44](#_Toc83916122)

[5.1 Security Considerations for Implementers 44](#_Toc83916123)

[5.2 Index of Security Parameters 44](#_Toc83916124)

[6 Appendix A: Full WSDL 45](#_Toc83916125)

[7 Appendix B: Product Behavior 53](#_Toc83916126)

[8 Change Tracking 54](#_Toc83916127)

[9 Index 55](#_Toc83916128)

# Introduction

The Content Deployment Remote Import Web Service Protocol enables a protocol client to remotely manage the import of a set of content, previously exported from an export server, to a protocol server.

Sections 1.5, 1.8, 1.9, 2, and 3 of this specification are normative. All other sections and examples in this specification are informative.

## Glossary

This document uses the following terms:

**Central Administration site**: A SharePoint site that an administrator can use to manage all of the sites and servers in a server farm that is running SharePoint Products and Technologies.

**content deployment**: The act of exporting content from a source system and importing it to a destination system.

**deployment package**: A collection of files that represent a serialized snapshot of data. A deployment package is stored as XML files that describe the deployment objects and their relationships, and a binary file for each object. Optionally, the resulting set of files can be compressed into one or more files in the compressed PRIME data format (CMP).

**editor**: The user who last modified an item or document in a SharePoint list.

**event receiver**: A structured modular component that enables built-in or user-defined managed code classes to act upon objects, such as list items, lists, or content types, when specific triggering actions occur.

**export server**: A server that serves as the source of a data export operation.

**farm**: A group of computers that work together as a single system to help ensure that applications and resources are available. Also referred to as server farm.

**globally unique identifier (GUID)**: A term used interchangeably with universally unique identifier (UUID) in Microsoft protocol technical documents (TDs). Interchanging the usage of these terms does not imply or require a specific algorithm or mechanism to generate the value. Specifically, the use of this term does not imply or require that the algorithms described in [[RFC4122]](https://go.microsoft.com/fwlink/?LinkId=90460) or [[C706]](https://go.microsoft.com/fwlink/?LinkId=89824) must be used for generating the [**GUID**](#gt_f49694cc-c350-462d-ab8e-816f0103c6c1). See also universally unique identifier (UUID).

**HTTP POST**: An HTTP method, as described in [[RFC2616]](https://go.microsoft.com/fwlink/?LinkId=90372).

**Hypertext Transfer Protocol (HTTP)**: An application-level protocol for distributed, collaborative, hypermedia information systems (text, graphic images, sound, video, and other multimedia files) on the World Wide Web.

**Hypertext Transfer Protocol Secure (HTTPS)**: An extension of HTTP that securely encrypts and decrypts web page requests. In some older protocols, "Hypertext Transfer Protocol over Secure Sockets Layer" is still used (Secure Sockets Layer has been deprecated). For more information, see [[SSL3]](https://go.microsoft.com/fwlink/?LinkId=90534) and [[RFC5246]](https://go.microsoft.com/fwlink/?LinkId=129803).

**import job**: A timer job that is used to import data from a content migration package to a remote server.

**operator account**: The account of the user who is managing the import process for a deployment package.

**site collection**: A set of websites that are in the same content database, have the same owner, and share administration settings. A site collection can be identified by a [**GUID**](#gt_f49694cc-c350-462d-ab8e-816f0103c6c1) or the [**URL**](#gt_433a4fb7-ef84-46b0-ab65-905f5e3a80b1) of the top-level site for the site collection. Each site collection contains a top-level site, can contain one or more subsites, and can have a shared navigational structure.

**site-relative URL**: A URL that is relative to the site that contains a resource and does not begin with a leading slash (/).

**SOAP**: A lightweight protocol for exchanging structured information in a decentralized, distributed environment. [**SOAP**](#gt_c1c313af-2310-4380-a6ea-c2cedc115958) uses XML technologies to define an extensible messaging framework, which provides a message construct that can be exchanged over a variety of underlying protocols. The framework has been designed to be independent of any particular programming model and other implementation-specific semantics. SOAP 1.2 supersedes SOAP 1.1. See [[SOAP1.2-1/2003]](https://go.microsoft.com/fwlink/?LinkId=90521).

**SOAP action**: The HTTP request header field used to indicate the intent of the [**SOAP**](#gt_c1c313af-2310-4380-a6ea-c2cedc115958) request, using a URI value. See [[SOAP1.1]](https://go.microsoft.com/fwlink/?LinkId=90520) section 6.1.1 for more information.

**SOAP body**: A container for the payload data being delivered by a [**SOAP message**](#gt_96185df3-4677-478c-b239-f72fcf514c59) to its recipient. See [[SOAP1.2-1/2007]](https://go.microsoft.com/fwlink/?LinkId=94664) section 5.3 for more information.

**SOAP fault**: A container for error and status information within a [**SOAP message**](#gt_96185df3-4677-478c-b239-f72fcf514c59). See [SOAP1.2-1/2007] section 5.4 for more information.

**SOAP message**: An XML document consisting of a mandatory SOAP envelope, an optional SOAP header, and a mandatory [**SOAP body**](#gt_57cdf8ab-8d79-462d-a446-5d85632a7a04). See [SOAP1.2-1/2007] section 5 for more information.

**timer job**: A built-in SharePoint object that can perform various tasks within the environment on a scheduled or one-time event basis.

**Uniform Resource Locator (URL)**: A string of characters in a standardized format that identifies a document or resource on the World Wide Web. The format is as specified in [[RFC1738]](https://go.microsoft.com/fwlink/?LinkId=90287).

**web application**: A container in a configuration database that stores administrative settings and entry-point [**URLs**](#gt_433a4fb7-ef84-46b0-ab65-905f5e3a80b1) for [**site collections**](#gt_aed5b662-5f22-436d-a37f-c70d9c278bfa).

**Web Services Description Language (WSDL)**: An XML format for describing network services as a set of endpoints that operate on messages that contain either document-oriented or procedure-oriented information. The operations and messages are described abstractly and are bound to a concrete network protocol and message format in order to define an endpoint. Related concrete endpoints are combined into abstract endpoints, which describe a network service. WSDL is extensible, which allows the description of endpoints and their messages regardless of the message formats or network protocols that are used.

**XML namespace**: A collection of names that is used to identify elements, types, and attributes in XML documents identified in a URI reference [[RFC3986]](https://go.microsoft.com/fwlink/?LinkId=90453). A combination of XML namespace and local name allows XML documents to use elements, types, and attributes that have the same names but come from different sources. For more information, see [[XMLNS-2ED]](https://go.microsoft.com/fwlink/?LinkId=90602).

**XML namespace prefix**: An abbreviated form of an [**XML namespace**](#gt_485f05b3-df3b-45ac-b8bf-d05f5d185a24), as described in [[XML]](https://go.microsoft.com/fwlink/?LinkId=90598).

**XML schema**: A description of a type of XML document that is typically expressed in terms of constraints on the structure and content of documents of that type, in addition to the basic syntax constraints that are imposed by XML itself. An XML schema provides a view of a document type at a relatively high level of abstraction.

**XML schema definition (XSD)**: The World Wide Web Consortium (W3C) standard language that is used in defining XML schemas. Schemas are useful for enforcing structure and constraining the types of data that can be used validly within other XML documents. XML schema definition refers to the fully specified and currently recommended standard for use in authoring [**XML schemas**](#gt_bd0ce6f9-c350-4900-827e-951265294067).

**MAY, SHOULD, MUST, SHOULD NOT, MUST NOT:** These terms (in all caps) are used as defined in [[RFC2119]](https://go.microsoft.com/fwlink/?LinkId=90317). All statements of optional behavior use either MAY, SHOULD, or SHOULD NOT.

## References

Links to a document in the Microsoft Open Specifications library point to the correct section in the most recently published version of the referenced document. However, because individual documents in the library are not updated at the same time, the section numbers in the documents may not match. You can confirm the correct section numbering by checking the [Errata](https://go.microsoft.com/fwlink/?linkid=850906).

### Normative References

We conduct frequent surveys of the normative references to assure their continued availability. If you have any issue with finding a normative reference, please contact [dochelp@microsoft.com](mailto:dochelp@microsoft.com). We will assist you in finding the relevant information.

[MS-NRTP] Microsoft Corporation, "[.NET Remoting: Core Protocol](%5bMS-NRTP%5d.pdf#Section_3acb31b0b8734aaf85039727ec40fbec)".

[MS-PRIMEPF] Microsoft Corporation, "[Deployment Package Format](%5bMS-PRIMEPF%5d.pdf#Section_ed939296b69e4a4fa5f75f776c8e59ff)".

[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](https://go.microsoft.com/fwlink/?LinkId=90317)

[RFC2616] Fielding, R., Gettys, J., Mogul, J., et al., "Hypertext Transfer Protocol -- HTTP/1.1", RFC 2616, June 1999, [http://www.rfc-editor.org/rfc/rfc2616.txt](https://go.microsoft.com/fwlink/?LinkId=90372)

[SOAP1.1] Box, D., Ehnebuske, D., Kakivaya, G., et al., "Simple Object Access Protocol (SOAP) 1.1", W3C Note, May 2000, [http://www.w3.org/TR/2000/NOTE-SOAP-20000508/](https://go.microsoft.com/fwlink/?LinkId=90520)

[SOAP1.2-1/2007] Gudgin, M., Hadley, M., Mendelsohn, N., et al., "SOAP Version 1.2 Part 1: Messaging Framework (Second Edition)", W3C Recommendation, April 2007, [http://www.w3.org/TR/2007/REC-soap12-part1-20070427/](https://go.microsoft.com/fwlink/?LinkId=94664)

[SOAP1.2-2/2007] Gudgin, M., Hadley, M., Mendelsohn, N., et al., "SOAP Version 1.2 Part 2: Adjuncts (Second Edition)", W3C Recommendation, April 2007, [http://www.w3.org/TR/2007/REC-soap12-part2-20070427](https://go.microsoft.com/fwlink/?LinkId=119124)

[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](https://go.microsoft.com/fwlink/?LinkId=90577)

[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/](https://go.microsoft.com/fwlink/?LinkId=191840)

[XMLSCHEMA1/2] Thompson, H., Beech, D., Maloney, M., and Mendelsohn, N., Eds., "XML Schema Part 1: Structures Second Edition", W3C Recommendation, October 2004, [http://www.w3.org/TR/2004/REC-xmlschema-1-20041028/](https://go.microsoft.com/fwlink/?LinkId=90607)

[XMLSCHEMA2/2] Biron, P., and Malhotra, A., Eds., "XML Schema Part 2: Datatypes Second Edition", W3C Recommendation, October 2004, [http://www.w3.org/TR/2004/REC-xmlschema-2-20041028/](https://go.microsoft.com/fwlink/?LinkId=90609)

### Informative References

[RFC2818] Rescorla, E., "HTTP Over TLS", RFC 2818, May 2000, [http://www.rfc-editor.org/rfc/rfc2818.txt](https://go.microsoft.com/fwlink/?LinkId=90383)

## Overview

This protocol enables a protocol client to remotely manage the import of a [**deployment package**](#gt_c900ff03-697a-406c-9121-fd43e84fc1b1) to a protocol server. This protocol consists of nine stateless operations. These operations enable a protocol client to create an [**import job**](#gt_4c697676-e1c8-4fdb-b067-2d13d875c0b5), run the import job, monitor the status of the import job, cancel the import job, and delete the import job or the log files created by the import job on the remote import server. The operations also enable the protocol client to gather information about the remote import server, such as the [**URL**](#gt_433a4fb7-ef84-46b0-ab65-905f5e3a80b1)of the [**Central Administration site**](#gt_e8ea44d0-eaf5-4750-8d06-510bb475e9a6), the names and the URLs of all [**web applications**](#gt_6b0c6982-1354-4309-86eb-c4c4ae9d8bcb), and the names of all [**site collections**](#gt_aed5b662-5f22-436d-a37f-c70d9c278bfa) within a specified web application.

## Relationship to Other Protocols

This protocol uses the [**SOAP**](#gt_c1c313af-2310-4380-a6ea-c2cedc115958) message protocol for formatting request and response messages, as described in [[SOAP1.1]](https://go.microsoft.com/fwlink/?LinkId=90520), [[SOAP1.2-1/2007]](https://go.microsoft.com/fwlink/?LinkId=94664) and [[SOAP1.2-2/2007]](https://go.microsoft.com/fwlink/?LinkId=119124). It transmits those messages by using [**HTTP**](#gt_d72f1494-4917-4e9e-a9fd-b8f1b2758dcd), as described in [[RFC2616]](https://go.microsoft.com/fwlink/?LinkId=90372), or [**Hypertext Transfer Protocol over Secure Sockets Layer (HTTPS)**](#gt_9239bd88-9747-44a6-83a6-473f53f175a7), as described in [[RFC2818]](https://go.microsoft.com/fwlink/?LinkId=90383).

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

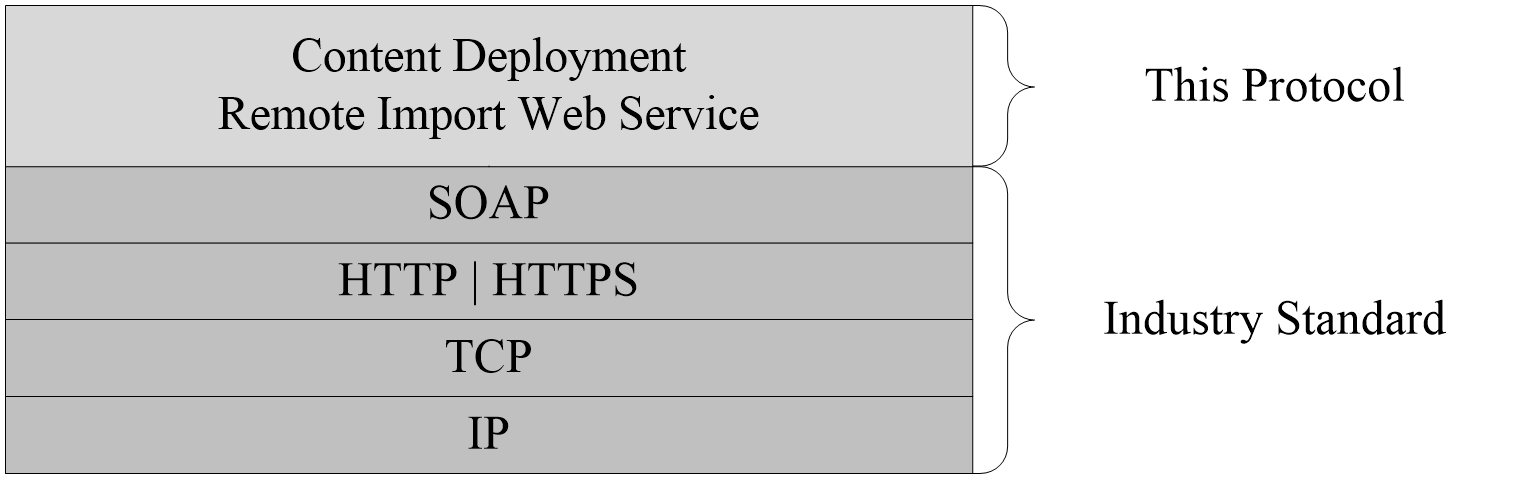


Figure 1: This protocol in relation to other protocols

## Prerequisites/Preconditions

This protocol operates against the central administration site of a remote import server with a URL that is known to the protocol client. The protocol server endpoint is formed by appending "\_vti\_adm/ContentDeploymentRemoteImport.asmx" to the URL of the central administration site of the remote import server. For example, if the URL of the central administration site of the remote import server were http://www.contoso.com:8080, the protocol server endpoint would be http://www.contoso.com:8080/\_vti\_adm/ContentDeploymentRemoteImport.asmx.

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

The remote import serverhas been configured to accept incoming [**content deployment**](#gt_bec721d0-3f09-4348-b08c-e05f2c7a2f7c) import jobs.

## Applicability Statement

This protocol is not applicable to the scenario of importing content to a site collection while users are editing content in thatsite collection. The protocol is also not applicable to the scenario of concurrent imports of multiple [**deployment packages**](#gt_c900ff03-697a-406c-9121-fd43e84fc1b1) to the samesite collection. When used to query for the status of an import job, this protocol is intended for querying no more frequently than once every 10 seconds.

## Versioning and Capability Negotiation

This protocol uses multiple transports with SOAP as specified in section [2.1](#Section_4eb7fb40d2c542508f2aee76ccacb5f1).

## Vendor-Extensible Fields

None.

## Standards Assignments

None.

# Messages

## Transport

Protocol servers MUST support SOAP over [**HTTP**](#gt_d72f1494-4917-4e9e-a9fd-b8f1b2758dcd). Protocol servers SHOULD additionally support SOAP over [**HTTPS**](#gt_9239bd88-9747-44a6-83a6-473f53f175a7) for securing communication with protocol clients.

Protocol messages MUST be formatted as specified either in [[SOAP1.1]](https://go.microsoft.com/fwlink/?LinkId=90520) (Section 4, SOAP Envelope) or in [[SOAP1.2-1/2007]](https://go.microsoft.com/fwlink/?LinkId=94664) SOAP Message Construct section 5. Protocol server faults MUST be returned either using HTTP status codes as specified in [[RFC2616]](https://go.microsoft.com/fwlink/?LinkId=90372) Status Code Definitions section 10 or using [**SOAP faults**](#gt_ec8728a8-1a75-426f-8767-aa1932c7c19f) as specified either in [SOAP1.1] SOAP Fault section 4.4 or in [SOAP1.2-1/2007] SOAP Fault section 5.4.

## Common Message Syntax

This section contains common definitions that are used by this protocol. The syntax of the definitions uses [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067), as specified in [[XMLSCHEMA1/2]](https://go.microsoft.com/fwlink/?LinkId=90607) and [[XMLSCHEMA2/2]](https://go.microsoft.com/fwlink/?LinkId=90609), and [**WSDL**](#gt_5a824664-0858-4b09-b852-83baf4584efa), as specified in [[WSDL]](https://go.microsoft.com/fwlink/?LinkId=90577).

### Namespaces

This specification defines and references various [**XML namespaces**](#gt_485f05b3-df3b-45ac-b8bf-d05f5d185a24) using the mechanisms specified in [[XMLNS]](https://go.microsoft.com/fwlink/?LinkId=191840). Although this specification associates a specific [**XML namespace prefix**](#gt_b9a20be7-31d9-4dcd-9cb9-ba72302857a2) to each XML namespace that is used, the choice of any particular XML namespaceprefix is implementation-specific and not significant for interoperability.

| Prefix | Namespace URI | Reference |
| --- | --- | --- |
| s | http://www.w3.org/2001/XMLSchema | [[XMLSCHEMA1/2]](https://go.microsoft.com/fwlink/?LinkId=90607)  [[XMLSCHEMA2/2]](https://go.microsoft.com/fwlink/?LinkId=90609) |
| soap12 | http://schemas.xmlsoap.org/wsdl/soap12/ | [[SOAP1.2-1/2007]](https://go.microsoft.com/fwlink/?LinkId=94664)  [[SOAP1.2-2/2007]](https://go.microsoft.com/fwlink/?LinkId=119124) |
| tns | http://schemas.microsoft.com/sharepoint/soap/ |  |
| s1 | http://microsoft.com/wsdl/types/ |  |
| soap | http://schemas.xmlsoap.org/wsdl/soap/ | [[SOAP1.1]](https://go.microsoft.com/fwlink/?LinkId=90520) |
| (none) | http://schemas.microsoft.com/sharepoint/soap/ |  |
| wsdl | http://schemas.xmlsoap.org/wsdl/ | [[WSDL]](https://go.microsoft.com/fwlink/?LinkId=90577) |

### Messages

This specification does not define any common [**WSDL**](#gt_5a824664-0858-4b09-b852-83baf4584efa) message definitions.

### Elements

This specification does not define any common [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) element definitions.

### Complex Types

This specification does not define any common [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) complex type definitions.

### Simple Types

The following table summarizes the set of common [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) simple type definitions defined by this specification. XML schema simple type definitions that are specific to a particular operation are described with the operation.

| Simple type | Description |
| --- | --- |
| guid | A globally unique identifier (GUID). |

#### guid

A **guid** simple type specifies a GUID. Its structure is specified by the following [**XML schema definition (XSD)**](#gt_c7e91c99-e45a-44c2-a08a-c34f137a2cae):

1. <s:simpleType name="guid">
2. <s:restriction base="s:string">
3. <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}" />
4. </s:restriction>
5. </s:simpleType>

### Attributes

This specification does not define any common [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) attribute definitions.

### Groups

This specification does not define any common [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) group definitions.

### Attribute Groups

This specification does not define any common [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) attribute group definitions.

# Protocol Details

Except where specified, the protocol client SHOULD interpret HTTP status codes returned by the protocol server as specified in [[RFC2616]](https://go.microsoft.com/fwlink/?LinkId=90372) Status Code Definitions section 10.

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

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

## ContentDeploymentRemoteImportSoap Server Details

All operations consist of a basic [**SOAP**](#gt_c1c313af-2310-4380-a6ea-c2cedc115958) request-response pair and the protocol server treats each request as an independent transaction, unrelated to any previous request.

### 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 MUST maintain a mapping of [**GUIDs**](#gt_f49694cc-c350-462d-ab8e-816f0103c6c1) to import jobs such that, for any GUID, at most one import job is found.

### Timers

None.

### Initialization

None.

### Message Processing Events and Sequencing Rules

The following table summarizes the list of [**WSDL**](#gt_5a824664-0858-4b09-b852-83baf4584efa) operations as defined by this specification:

| Operations | Description |
| --- | --- |
| **CancelJob** | Cancels the specified import job. |
| **CreateJob** | Creates a new import job. |
| **DeleteImportLogs** | Deletes log files created by import job(s) associated with the specified [**content deployment**](#gt_bec721d0-3f09-4348-b08c-e05f2c7a2f7c) job. |
| **DeleteJob** | Deletes the specified import job. |
| **GetJobStatus** | Returns the status of the specified import job. |
| **GetRemoteAdminServerUrl** | Returns the URL of the central administration site on the remote import server. |
| **GetSiteCollectionNames** | Returns the names of all site collections within the specified [**web application**](#gt_6b0c6982-1354-4309-86eb-c4c4ae9d8bcb). |
| **GetVirtualServersInformation** | Returns the names and URLs of all web applications within the current [**farm**](#gt_aede9dc7-b6a1-4fac-bb15-8c8307250b8a). |
| **RunJob** | Runs the specified import job. |

#### CancelJob

This operation cancels the specified import job, as follows.

1. <wsdl:operation name="CancelJob">
2. <wsdl:input message="tns:CancelJobSoapIn" />
3. <wsdl:output message="tns:CancelJobSoapOut" />
4. </wsdl:operation>

A protocol client initiates the operation by sending a **CancelJobSoapIn** message to the protocol server, formatted as specified in section [3.1.4.1.1.1](#Section_60b228c17c8349118e1d56a785d6a9f7).

If the status of the specified import job is ImportPreparing, as specified in section [3.1.4.5.4.1](#Section_48f8591212f64921a4ea7a5ec2213aee), the protocol server MUST cancel the import job. Otherwise, the protocol server MUST take no action.

The protocol server MUST respond with a **CancelJobSoapOut** response message, formatted as specified in section [3.1.4.1.1.2](#Section_6c034cb36783437aac61a28fc91f0694).

##### Messages

The following table summarizes the set of [**WSDL**](#gt_5a824664-0858-4b09-b852-83baf4584efa) message definitions that are specific to this operation.

| Message | Description |
| --- | --- |
| **CancelJobSoapIn** | A request to initiate a **CancelJob** operation on the protocol server. |
| **CancelJobSoapOut** | A response from the protocol server at completion of the **CancelJob** operation. |

###### CancelJobSoapIn

This message is sent from the protocol client to the protocol server to initiate a **CancelJob** operation.

The [**SOAP action**](#gt_c1358651-96c1-4ce0-8e1f-b0b7a94145e3)value of the message is specified as follows:

1. http://schemas.microsoft.com/sharepoint/soap/CancelJob

The [**SOAP body**](#gt_57cdf8ab-8d79-462d-a446-5d85632a7a04) MUST contain a **CancelJob** element.

###### CancelJobSoapOut

This message is sent from the protocol server to the protocol client when the **CancelJob** operation is finished.

The SOAP body MUST contain a **CancelJobResponse** element.

##### Elements

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) element definitions that are specific to this operation.

| Element | Description |
| --- | --- |
| **CancelJob** | Specifies the body of the **CancelJobSoapIn** message. |
| **CancelJobResponse** | Specifies the body of the **CancelJobSoapOut** message. |

###### CancelJob

This element forms the body of the **CancelJobSoapIn** message. It MUST adhere to the following XSD:

1. <s:element name="CancelJob">
2. <s:complexType>
3. <s:sequence>
4. <s:element minOccurs="1" maxOccurs="1" name="jobId" type="s1:guid" />
5. </s:sequence>
6. </s:complexType>
7. </s:element>

**jobId:** The identifier of the import job.

###### CancelJobResponse

This element forms the body of the **CancelJobSoapOut** message. It MUST adhere to the following XSD:

1. <s:element name="CancelJobResponse">
2. <s:complexType />
3. </s:element>

##### Complex Types

None.

##### Simple Types

None.

##### Attributes

None.

##### Groups

None.

##### Attribute Groups

None.

#### CreateJob

This operation creates a new import job, as follows.

1. <wsdl:operation name="CreateJob">
2. <wsdl:input message="tns:CreateJobSoapIn" />
3. <wsdl:output message="tns:CreateJobSoapOut" />
4. </wsdl:operation>

The protocol client initiates the operation by sending a **CreateJobSoapIn** request message to the server, formatted as specified in section [3.1.4.2.1.1](#Section_2248cd0c327043ecb58a0a9bc74cf1bf).

If an import job already exists with the specified **sourceId**, the protocol server MUST delete the existing import job. The protocol server SHOULD[<1>](#Appendix_A_1" \o "Product behavior note 1) create a new import job with the specified parameter values.

When the operation is finished, the protocol server MUST respond with a **CreateJobSoapOut** response message, formatted as specified in section [3.1.4.2.1.2](#Section_5c63c4dbf8cc43caab245c7e9cb62e66).

##### Messages

The following table summarizes the set of [**WSDL**](#gt_5a824664-0858-4b09-b852-83baf4584efa) message definitions that are specific to this operation.

| Message | Description |
| --- | --- |
| **CreateJobSoapIn** | A request to initiate a **CreateJob** operation on the protocol server. |
| **CreateJobSoapOut** | A response from the protocol server at completion of the **CreateJob** operation. |

###### CreateJobSoapIn

This message is sent from the protocol client to the protocol server to initiate a **CreateJob** operation.

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

1. http://schemas.microsoft.com/sharepoint/soap/CreateJob

The SOAP body MUST contain a **CreateJob** element.

###### CreateJobSoapOut

This message is sent from the protocol server to the protocol client when the **CreateJob** operation is finished.

The SOAP body MUST contain a **CreateJobResponse** element.

##### Elements

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) element definitions that are specific to this operation.

| Element | Description |
| --- | --- |
| **CreateJob** | Specifies the body of the **CreateJobSoapIn** message. |
| **CreateJobResponse** | Specifies the body of the **CreateJobSoapOut** message. |

###### CreateJob

This element forms the body of the **CreateJobSoapIn** message. It MUST adhere to the following XSD[<2>](#Appendix_A_2" \o "Product behavior note 2):

1. <s:element name="CreateJob">
2. <s:complexType>
3. <s:sequence>
4. <s:element minOccurs="1" maxOccurs="1" name="description" type="s:string" />
5. <s:element minOccurs="1" maxOccurs="1" name="sourceId" type="s1:guid" />
6. <s:element minOccurs="1" maxOccurs="1" name="destinationServerUrl" type="s:string" />
7. <s:element minOccurs="1" maxOccurs="1" name="destinationSiteCollection" type="s:string" />
8. <s:element minOccurs="1" maxOccurs="1" name="includeSecurity" type="tns:SPIncludeSecurity" />
9. <s:element minOccurs="1" maxOccurs="1" name="includeUserInfoDateTime" type="tns:SPImportUserInfoDateTimeOption" />
10. <s:element minOccurs="1" maxOccurs="1" name="enableEventReceivers" type="s:boolean" />
11. <s:element minOccurs="1" maxOccurs="1" name="fileCompression" type="s:boolean" />
12. </s:sequence>
13. </s:complexType>
14. </s:element>

**description:** The description of the new import job**.** It MUST be less than 256 characters in length.

**sourceId:** The identifier of the content deployment job that associates it with the import job that is to be created.

**destinationServerUrl:** The URL of the remote import server for the new import job.It MUST be less than 255 characters in length and MUST be the URL of an existing [**web application**](#gt_6b0c6982-1354-4309-86eb-c4c4ae9d8bcb).

**destinationSiteCollection:** The [**site-relative URL**](#gt_5a81699e-a300-4686-b75f-42539f221dc3)of the destination site collection for the new import job.It MUST be less than 256 characters in length and MUST be the URL of an existing site collection within the web application specified by **destinationServerUrl**.

**includeSecurity:** The user and group information to import. This MUST be set to the same value as was specified for **IncludeSecurity** in the ExportSettings.xml file (specified in [[MS-PRIMEPF]](%5bMS-PRIMEPF%5d.pdf#Section_ed939296b69e4a4fa5f75f776c8e59ff) section 2.2) when the [**deployment package**](#gt_c900ff03-697a-406c-9121-fd43e84fc1b1) was created.

**includeUserInfoDateTime:** The level of user and creation date information to retain during the import. The default value of this element is None.

**enableEventReceivers:** Whether [**event receivers**](#gt_b40bf794-34a8-4719-86be-04133875ae0f) are notified while content is being imported.

**fileCompression:** Whether the deployment package is in a compressed format.

###### CreateJobResponse

This element forms the body of the **CreateJobSoapOut** message. It MUST adhere to the following XSD:

1. <s:element name="CreateJobResponse">
2. <s:complexType>
3. <s:sequence>
4. <s:element minOccurs="1" maxOccurs="1" name="CreateJobResult" type="s1:guid" />
5. </s:sequence>
6. </s:complexType>
7. </s:element>

**CreateJobResult:** The identifier of the newly created import job.

##### Complex Types

None.

##### Simple Types

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) simple type definitions that are specific to this operation.

| Simple type | Description |
| --- | --- |
| **SPIncludeSecurity** | Specifies user and group information included for imported content. |
| **SPImportUserInfoDateTimeOption** | Specifies level of user and creation date retained for imported content. |

###### SPIncludeSecurity

The **SPIncludeSecurity** simple type specifies the user and group information to include when the content is imported. It is specified in [[MS-PRIMEPF]](%5bMS-PRIMEPF%5d.pdf#Section_ed939296b69e4a4fa5f75f776c8e59ff) section 2.2.4.4.

###### SPImportUserInfoDateTimeOption

The **SPImportUserInfoDateTimeOption** simple type specifies the level of user and creation date information to retain when the content is imported. It is specified by the following XSD:

1. <s:simpleType name="SPImportUserInfoDateTimeOption">
2. <s:restriction base="s:string">
3. <s:enumeration value="None"/>
4. <s:enumeration value="ReplaceUserWithSystemAccount"/>
5. <s:enumeration value="ImportAll"/>
6. </s:restriction>
7. </s:simpleType>

The following table defines the valid values.

| Value | Meaning |
| --- | --- |
| None | Sets the creation date/time values for all content to the date/time of the import, replaces all authors and [**editors**](#gt_0010ac88-303d-4f19-8834-45fe73f4d676) with the [**operator account**](#gt_3f5e74bb-c0f1-4965-8ef6-31c555a382e4), and replaces all references to users with the empty string. |
| ReplaceUserWithSystemAccount | Retains the original creation date/time values for all content, but replaces all authors and editors with the system account, and replaces all references to userswith the empty string. |
| ImportAll | Retains all original creation date/time values, all original author and editor information, and all references to users. |

##### Attributes

None.

##### Groups

None.

##### Attribute Groups

None.

#### DeleteImportLogs

This operation deletes log files created by import job(s) associated with the specified content deployment job, as follows.[<3>](#Appendix_A_3" \o "Product behavior note 3)

1. <wsdl:operation name="DeleteImportLogs">
2. <wsdl:input message="tns:DeleteImportLogsSoapIn" />
3. <wsdl:output message="tns:DeleteImportLogsSoapOut" />
4. </wsdl:operation>

A protocol client initiates the operation by sending a **DeleteImportLogsSoapIn** message to the protocol server, formatted as specified in section [3.1.4.3.1.1](#Section_7077a44afc7447d5af49bd620ddbfae7).

The protocol server MUST delete any existing log files created by import job(s) associated with the specified content deployment job. If no such log files exist, the protocol server MUST take no action.

When the operation is finished, the protocol server MUST respond with a **DeleteImportLogsSoapOut** response message, formatted as specified in section [3.1.4.3.1.2](#Section_d9cb3de528b041aaa915c1a7acac2e41).

##### Messages

The following table summarizes the set of [**WSDL**](#gt_5a824664-0858-4b09-b852-83baf4584efa) message definitions that are specific to this operation.

| Message | Description |
| --- | --- |
| **DeleteImportLogsSoapIn** | A request to initiate a **DeleteImportLogs** operation on the protocol server. |
| **DeleteImportLogsSoapOut** | A response from the protocol server at completion of the **DeleteImportLogs** operation. |

###### DeleteImportLogsSoapIn

This message is sent from the protocol client to the protocol server to initiate a **DeleteImportLogs** operation.

The [**SOAP action**](#gt_c1358651-96c1-4ce0-8e1f-b0b7a94145e3)value of the message is specified as follows:

1. http://schemas.microsoft.com/sharepoint/soap/DeleteImportLogs

The [**SOAP body**](#gt_57cdf8ab-8d79-462d-a446-5d85632a7a04) MUST contain a **DeleteImportLogs** element.

###### DeleteImportLogsSoapOut

This message is sent from the protocol server to the protocol client when the **DeleteImportLogs** operation is finished.

The SOAP body MUST contain a **DeleteImportLogsResponse** element.

##### Elements

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) element definitions that are specific to this operation.

| Element | Description |
| --- | --- |
| **DeleteImportLogs** | Specifies the body of the **DeleteImportLogsSoapIn** message. |
| **DeleteImportLogsReponse** | Specifies the body of the **DeleteImportLogsSoapOut** message. |

###### DeleteImportLogs

This element forms the body of the **DeleteImportLogsSoapIn** message. It MUST adhere to the following XSD:

1. <s:element name="DeleteImportLogs">
2. <s:complexType>
3. <s:sequence>
4. <s:element minOccurs="1" maxOccurs="1" name="sourceJobId" type="s1:guid" />
5. </s:sequence>
6. </s:complexType>
7. </s:element>

**sourceJobId:** The identifier of the content deployment job.

###### DeleteImportLogsResponse

This element forms the body of the **DeleteImportLogsResponse** message. It MUST adhere to the following XSD:

1. <s:element name="DeleteImportLogsResponse">
2. <s:complexType />
3. </s:element>

##### Complex Types

None.

##### Simple Types

None.

##### Attributes

None.

##### Groups

None.

##### Attribute Groups

None.

#### DeleteJob

This operation deletes the specified import job, as follows.

1. <wsdl:operation name="DeleteJob">
2. <wsdl:input message="tns:DeleteJobSoapIn" />
3. <wsdl:output message="tns:DeleteJobSoapOut" />
4. </wsdl:operation>

The protocol client initiates the operation by sending a **DeleteJobSoapIn** request message to the protocol server, formatted as specified in section [3.1.4.4.1.1](#Section_87bbeb28880045b7abfd513f663c7d40).

If the specified import job exists the protocol server MUST delete the import job. Otherwise, the protocol server MUST take no action.

When the operation is finished, the protocol server MUST respond with a **DeleteJobSoapOut** response message, formatted as specified in section [3.1.4.4.1.2](#Section_47ebd8a426e9485f8a9cd792d342397f).

##### Messages

The following table summarizes the set of [**WSDL**](#gt_5a824664-0858-4b09-b852-83baf4584efa) message definitions that are specific to this operation.

| Message | Description |
| --- | --- |
| **DeleteJobSoapIn** | A request to initiate a **DeleteJob** operation on the protocol server. |
| **DeleteJobSoapOut** | A response from the protocol server at completion of the **DeleteJob** operation. |

###### DeleteJobSoapIn

This message is sent from the protocol client to the protocol server to initiate a **DeleteJob** operation.

The SOAP actionvalue of the message is defined as follows:

1. http://schemas.microsoft.com/sharepoint/soap/DeleteJob

The SOAP body MUST contain a **DeleteJob** element.

###### DeleteJobSoapOut

This message is sent from the protocol server to the protocol client when the **DeleteJob** operation is finished.

The SOAP body MUST contain a **DeleteJobResponse** element.

##### Elements

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) element definitions that are specific to this operation.

| Element | Description |
| --- | --- |
| **DeleteJob** | Specifies the body of the **DeleteJobSoapIn** message. |
| **DeleteJobResponse** | Specifies the body of the **DeleteJobSoapOut** message. |

###### DeleteJob

This element forms the body of the **DeleteJobSoapIn** message. It MUST adhere to the following XSD:

1. <s:element name="DeleteJob">
2. <s:complexType>
3. <s:sequence>
4. <s:element minOccurs="1" maxOccurs="1" name="jobId" type="s1:guid" />
5. </s:sequence>
6. </s:complexType>
7. </s:element>

**jobId:** The identifier of the import job.

###### DeleteJobResponse

This element forms the body of the **DeleteJobSoapOut** message. It MUST adhere to the following XSD:

1. <s:element name="DeleteJobResponse">
2. <s:complexType />
3. </s:element>

##### Complex Types

None.

##### Simple Types

None.

##### Attributes

None.

##### Groups

None.

##### Attribute Groups

None.

#### GetJobStatus

This operation returns the status and properties of the specified import job, as follows.

1. <wsdl:operation name="GetJobStatus">
2. <wsdl:input message="tns:GetJobStatusSoapIn" />
3. <wsdl:output message="tns:GetJobStatusSoapOut" />
4. </wsdl:operation>

The protocol client initiates the operation by sending a **GetJobStatusSoapIn** request message to the protocol server, formatted as specified in section [3.1.4.5.1.1](#Section_ece96e8bc1824c319c60f89bb055f634).

If the **GetJobStatus** operation is called for a specified import job before the **RunJob** operation is called for that import job, the protocol server MUST respond with a SOAP fault. Otherwise, the protocol server MUST respond with a **GetJobStatusSoapOut** response message, formatted as specified in section [3.1.4.5.1.2](#Section_eb30022fff474a9b8ee2dd285681e4a4).

##### Messages

The following table summarizes the set of [**WSDL**](#gt_5a824664-0858-4b09-b852-83baf4584efa) message definitions that are specific to this operation.

| Message | Description |
| --- | --- |
| **GetJobStatusSoapIn** | A request to initiate a **GetJobStatus** operation on the protocol server. |
| **GetJobStatusSoapOut** | A response from the protocol server at completion of the **GetJobStatus** operation. |

###### GetJobStatusSoapIn

This message is sent from the protocol client to the protocol server to initiate a **GetJobStatus** operation.

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

1. http://schemas.microsoft.com/sharepoint/soap/GetJobStatus

The SOAP body MUST contain a **GetJobStatus** element.

###### GetJobStatusSoapOut

This message is sent from the protocol server to the protocol client when the **GetJobStatus** operation is finished.

The SOAP body MUST contain a **GetJobStatusResponse** element.

##### Elements

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) element definitions that are specific to this operation.

| Element | Description |
| --- | --- |
| **GetJobStatus** | Specifies the body of the **GetJobStatusSoapIn** message. |
| **GetJobStatusResponse** | Specifies the body of the **GetJobStatusSoapOut** message. |

###### GetJobStatus

This element forms the body of the **GetJobStatusSoapIn** message. It MUST adhere to the following XSD:

1. <s:element name="GetJobStatus">
2. <s:complexType>
3. <s:sequence>
4. <s:element minOccurs="1" maxOccurs="1" name="jobId" type="s1:guid" />
5. </s:sequence>
6. </s:complexType>
7. </s:element>

**jobId:** The identifier of the import job.

###### GetJobStatusResponse

This element forms the body of the **GetJobStatusSoapOut** message. It MUST adhere to the following XSD:

1. <s:element name="GetJobStatusResponse">
2. <s:complexType>
3. <s:sequence>
4. <s:element minOccurs="1" maxOccurs="1" name="GetJobStatusResult" type="tns:ContentDeploymentRemoteJobStatus" />
5. </s:sequence>
6. </s:complexType>
7. </s:element>

**GetJobStatusResult:** The status and properties of the specified import job.

##### Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

| Complex type | Description |
| --- | --- |
| **ContentDeploymentRemoteJobStatus** | Specifies the status and properties of an import job. |
| **ArrayOfReportMessage** | Specifies a sequence of **ReportMessages.** |
| **ReportMessage** | Specifies a single error, warning, or informational message |

###### ContentDeploymentRemoteJobStatus

A **ContentDeploymentRemoteJobStatus** object specifies the status and properties of an import job. Its structure is specified by the following XSD:[<4>](#Appendix_A_4" \o "Product behavior note 4)

1. <s:complexType name="ContentDeploymentRemoteJobStatus">
2. <s:sequence>
3. <s:element minOccurs="1" maxOccurs="1" name="Status" type="tns:ContentDeploymentJobStatus" />
4. <s:element minOccurs="1" maxOccurs="1" name="StatusMessage" type="s:string" />
5. <s:element minOccurs="1" maxOccurs="1" name="LastModifiedTime" type="s:dateTime" />
6. <s:element minOccurs="1" maxOccurs="1" name="StartTime" type="s:dateTime" />
7. <s:element minOccurs="1" maxOccurs="1" name="EndTime" type="s:dateTime" />
8. <s:element minOccurs="1" maxOccurs="1" name="ImportedObjectCount" type="s:int" />
9. <s:element minOccurs="1" maxOccurs="1" name="ContentSize" type="s:long" />
10. <s:element minOccurs="1" maxOccurs="1" name="ImportLogFileMachineName" type="s:string" />
11. <s:element minOccurs="1" maxOccurs="1" name="ImportLogFilePath" type="s:string" />
12. <s:element minOccurs="1" maxOccurs="1" name="ReportMessages" type="tns:ArrayOfReportMessage" />
13. </s:sequence>
14. </s:complexType>

**Status:** The status of the import job.

**StatusMessage:** The status message of the import job.

**LastModifiedTime:** The date and time at which the import job was last modified.

**StartTime:** The date and time at which the import jobstarted.

**EndTime:** The date and time at which the import jobended.

**ImportedObjectCount:** The current count of imported objects. This parameter MUST be a non-negative value.

**ContentSize:** This parameter MUST be 0.

**ImportLogFileMachineName:** If not an empty string, the name of the computer containing the import job log file. If empty, the protocol server did not have this information available at the time the message was sent.

**ImportLogFilePath:** If not an empty string, the absolute path to the import job log file. If empty, the protocol server did not have this information available at the time the message was sent.

**ReportMessages:** The sequence of error, warning, and informational messages generated by the import job during its run.

###### ArrayOfReportMessage

An **ArrayOfReportMessage** is a sequence of **ReportMessages** and is specified by the following XSD:

1. <s:complexType name="ArrayOfReportMessage">
2. <s:sequence>
3. <s:element minOccurs="0" maxOccurs="unbounded" name="ReportMessage" nillable="true" type="tns:ReportMessage" />
4. </s:sequence>
5. </s:complexType>

**ReportMessage:** A single error, warning, or informational message.

###### ReportMessage

The **ReportMessage** type specifies a single error, warning, or informational message. Its structure is specified by the following XSD:

1. <s:complexType name="ReportMessage">
2. <s:attribute name="Title" type="s:string"/>
3. <s:attribute name="Time" type="s:dateTime" use="required"/>
4. <s:attribute name="Severity" type="tns:MessageSeverity" use="required"/>
5. <s:attribute name="Description" type="s:string"/>
6. <s:attribute name="Recommendation" type="s:string"/>
7. <s:attribute name="ObjectName" type="s:string"/>
8. <s:attribute name="Phase" type="s:string"/>
9. </s:complexType>

**Title:** The title of the message.

**Time:** The date and time at which the message was generated.

**Severity:** The severity of the message as specified in section [3.1.4.5.4.2](#Section_30dc6d9fdb374df297ec86eeb3f5b8df).

**Description:** The text of the message.

**Recommendation:** The recommended action in response to the message.

**ObjectName:** The URL or name of the object to which the message applies.

**Phase:** The phase of the import jobwhen the message was generated.

##### Simple Types

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) simple type definitions that are specific to this operation.

| Simple type | Description |
| --- | --- |
| **ContentDeploymentJobStatus** | Specifies the status of an import job. |
| **MessageSeverity** | Specifies the severity level of a message. |

###### ContentDeploymentJobStatus

A **ContentDeploymentJobStatus** object specifies the status of an import job. Its structure is specified by the following XSD:

1. <s:simpleType name="ContentDeploymentJobStatus">
2. <s:restriction base="s:string">
3. <s:enumeration value="Success"/>
4. <s:enumeration value="Failure"/>
5. <s:enumeration value="Cancelled"/>
6. <s:enumeration value="ImportInProgress"/>
7. <s:enumeration value="CancelInProgress"/>
8. <s:enumeration value="ImportPreparing"/>
9. <s:enumeration value="ImportTimedOut"/>
10. </s:restriction>
11. </s:simpleType>

The following table specifies possible values.

| Value | Meaning |
| --- | --- |
| Success | Indicates that the import job succeeded. |
| Failure | Indicates that the import job failed. |
| Cancelled | Indicates that the import job has been cancelled. |
| ImportInProgress | Indicates that the import job is currently in progress. |
| CancelInProgress | Indicates that a request to cancel the import job is currently being processed. |
| ImportPreparing | Indicates that the import job is preparing to run. |
| ImportTimedOut | Indicates that the import job has timed out. |

###### MessageSeverity

A **MessageSeverity** object specifies the severity level of a message. Its structure is specified by the following XSD:

1. <s:simpleType name="MessageSeverity">
2. <s:restriction base="s:string">
3. <s:enumeration value="Informational"/>
4. <s:enumeration value="Warning"/>
5. <s:enumeration value="Error"/>
6. </s:restriction>
7. </s:simpleType>

The following table specifies possible values.

| Value | Meaning |
| --- | --- |
| Informational | The message is informational. |
| Warning | The message is a warning. A Warning is more severe than an Informational message. |
| Error | The message describes an error. An Error is more severe than a Warning. |

##### Attributes

None.

##### Groups

None.

##### Attribute Groups

None.

#### GetRemoteAdminServerUrl

This operation returns the URL of the central administration site on the remote import server as follows.

1. <wsdl:operation name="GetRemoteAdminServerUrl">
2. <wsdl:input message="tns:GetRemoteAdminServerUrlSoapIn" />
3. <wsdl:output message="tns:GetRemoteAdminServerUrlSoapOut" />
4. </wsdl:operation>

The protocol client initiates the operation by sending a **GetRemoteAdminServerUrlSoapIn** request message to the protocol server, formatted as specified in section [3.1.4.6.1.1](#Section_d22d2b8002ee499794aa4f7da99e419b).

The protocol server MUST respond with a **GetRemoteAdminServerUrlSoapOut** response message, formatted as specified in section [3.1.4.6.1.2](#Section_5ae2599c2e01430bb01ea1449dc5f4ca).

##### Messages

The following table summarizes the set of [**WSDL**](#gt_5a824664-0858-4b09-b852-83baf4584efa) message definitions that are specific to this operation.

| Message | Description |
| --- | --- |
| **GetRemoteAdminServerUrlSoapIn** | A request to initiate a **GetRemoteAdminServerUrl** operation on the protocol server. |
| **GetRemoteAdminServerUrlSoapOut** | A response from the protocol server at completion of the **GetRemoteAdminServerUrl** operation. |

###### GetRemoteAdminServerUrlSoapIn

This message is sent from the protocol client to the protocol server to initiate a **GetRemoteAdminServerUrl** operation.

The SOAP actionvalue of the message is defined as follows:

1. http://schemas.microsoft.com/sharepoint/soap/GetRemoteAdminServerUrl

The SOAP body MUST contain a **GetRemoteAdminServerUrl** element.

###### GetRemoteAdminServerUrlSoapOut

This message is sent from the protocol server to the protocol client when the **GetRemoteAdminServerUrl** operation is finished.

The SOAP body MUST contain a **GetRemoteAdminServerUrlResponse** element.

##### Elements

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) element definitions that are specific to this operation.

| Element | Description |
| --- | --- |
| **GetRemoteAdminServerUrl** | A request to initiate a **GetRemoteAdminServerUrlSoapIn** operation on the protocol server. |
| **GetRemoteAdminServerUrlResponse** | A response from the protocol server at completion of the **GetRemoteAdminServerUrlSoapOut** operation. |

###### GetRemoteAdminServerUrl

This element forms the body of the **GetRemoteAdminServerUrlSoapIn** message. It MUST adhere to the following XSD:

1. <s:element name="GetRemoteAdminServerUrl">
2. <s:complexType>
3. <s:sequence>
4. <s:element minOccurs="1" maxOccurs="1" name="clientVersion" type="s:string" />
5. </s:sequence>
6. </s:complexType>
7. </s:element>

**clientVersion:** Version of the library which implements the protocol client. The value MUST be formatted as specified by **VersionValue** in [[MS-NRTP]](%5bMS-NRTP%5d.pdf#Section_3acb31b0b8734aaf85039727ec40fbec) section [2.2.1.3](http://msdn.microsoft.com/en-us/library/f236e979-38fb-47d0-9e6f-3c24f12480ac/). This element MUST be ignored by the protocol server.

###### GetRemoteAdminServerUrlResponse

This element forms the body of the **GetRemoteAdminServerUrlSoapOut** message. It MUST adhere to the following XSD:

1. <s:element name="GetRemoteAdminServerUrlResponse">
2. <s:complexType>
3. <s:sequence>
4. <s:element minOccurs="1" maxOccurs="1" name="GetRemoteAdminServerUrlResult" type="s:string" />
5. </s:sequence>
6. </s:complexType>
7. </s:element>

**GetRemoteAdminServerUrlResult:** The URL of the central administration site on the remote import server.

##### Complex Types

None.

##### Simple Types

None.

##### Attributes

None.

##### Groups

None.

##### Attribute Groups

None.

#### GetSiteCollectionNames

This operation returns the names of all site collections within the specified [**web application**](#gt_6b0c6982-1354-4309-86eb-c4c4ae9d8bcb) as follows.

1. <wsdl:operation name="GetSiteCollectionNames">
2. <wsdl:input message="tns:GetSiteCollectionNamesSoapIn" />
3. <wsdl:output message="tns:GetSiteCollectionNamesSoapOut" />
4. </wsdl:operation>

The protocol client initiates the operation by sending a **GetSiteCollectionNamesSoapIn** request message to the protocol server, formatted as specified in section [3.1.4.7.1.1](#Section_98d788c1abc24e8e941b8d347b85bc32).

The protocol server MUST respond with a **GetSiteCollectionNamesSoapOut** response message, formatted as specified in section [3.1.4.7.1.2](#Section_ccb86407963e42e8b39a2cab9a651b4e).

##### Messages

The following table summarizes the set of [**WSDL**](#gt_5a824664-0858-4b09-b852-83baf4584efa) message definitions that are specific to this operation.

| Message | Description |
| --- | --- |
| **GetSiteCollectionNamesSoapIn** | A request to initiate a **GetSiteCollectionNames** operation on the protocol server. |
| **GetSiteCollectionNamesSoapOut** | A response from the protocol server at completion of the **GetSiteCollectionNames** operation. |

###### GetSiteCollectionNamesSoapIn

This message is sent from the protocol client to the protocol server to initiate a **GetSiteCollectionNames** operation.

The SOAP actionvalue of the message is defined as follows:

1. http://schemas.microsoft.com/sharepoint/soap/GetSiteCollectionNames

The SOAP body MUST contain a **GetSiteCollectionNames** element.

###### GetSiteCollectionNamesSoapOut

This message is sent from the protocol server to the protocol client when the **GetSiteCollectionNames** operation is finished.

The SOAP body MUST contain a **GetSiteCollectionNamesResponse** element.

##### Elements

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) element definitions that are specific to this operation.

| Element | Description |
| --- | --- |
| **GetSiteCollectionNames** | Specifies the body of the **GetSiteCollectionNamesSoapIn** message. |
| **GetSiteCollectionNamesResponse** | Specifies the body of the **GetSiteCollectionNamesSoapOut** message. |

###### GetSiteCollectionNames

This element forms the body of the **GetSiteCollectionNamesSoapIn** message. It MUST adhere to the following XSD:

1. <s:element name="GetSiteCollectionNames">
2. <s:complexType>
3. <s:sequence>
4. <s:element minOccurs="1" maxOccurs="1" name="virtualServerUrl" type="s:string" />
5. </s:sequence>
6. </s:complexType>
7. </s:element>

**virtualServerUrl:** The URL of an existing [**web application**](#gt_6b0c6982-1354-4309-86eb-c4c4ae9d8bcb)on the farm.

###### GetSiteCollectionNamesResponse

This element forms the body of the **GetSiteCollectionNamesSoapOut** message. It MUST adhere to the following XSD:

1. <s:element name="GetSiteCollectionNamesResponse">
2. <s:complexType>
3. <s:sequence>
4. <s:element minOccurs="1" maxOccurs="1" name="GetSiteCollectionNamesResult" type="tns:ArrayOfString" />
5. </s:sequence>
6. </s:complexType>
7. </s:element>

**GetSiteCollectionNamesResult:** The names of all site collections within the specified [**web application**](#gt_6b0c6982-1354-4309-86eb-c4c4ae9d8bcb).

##### Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

| Complex type | Description |
| --- | --- |
| **ArrayOfString** | Specifies a sequence of strings. |

###### ArrayOfString

A sequence of strings as specified by the following XSD:

1. <s:complexType name="ArrayOfString">
2. <s:sequence>
3. <s:element name="string" type="s:string" nillable="true" minOccurs="0" maxOccurs="unbounded"/>
4. </s:sequence>
5. </s:complexType>

**string:** A single string within the **ArrayOfString**.

##### Simple Types

None.

##### Attributes

None.

##### Groups

None.

##### Attribute Groups

None.

#### GetVirtualServersInformation

This operation returns the names and URLs of all [**web applications**](#gt_6b0c6982-1354-4309-86eb-c4c4ae9d8bcb) within the farm, as follows.

1. <wsdl:operation name="GetVirtualServersInformation">
2. <wsdl:input message="tns:GetVirtualServersInformationSoapIn" />
3. <wsdl:output message="tns:GetVirtualServersInformationSoapOut" />
4. </wsdl:operation>

The protocol client initiates the operation by sending a **GetVirtualServersInformationSoapIn** request message to the protocol server, formatted as specified in section [3.1.4.8.1.1](#Section_151bb5649dbd4e30af4ac2070fd8da18).

The protocol server MUST respond with a **GetVirtualServersInformationSoapOut** response message, formatted as specified in section [3.1.4.8.1.2](#Section_bba8a6a9fffb427fb764e60435c2418c).

##### Messages

The following table summarizes the set of [**WSDL**](#gt_5a824664-0858-4b09-b852-83baf4584efa) message definitions that are specific to this operation.

| Message | Description |
| --- | --- |
| **GetVirtualServersInformationSoapIn** | A request to initiate a **GetVirtualServersInformation** operation on the protocol server. |
| **GetVirtualServersInformationSoapOut** | A response from the protocol server at completion of the **GetVirtualServersInformation** operation. |

###### GetVirtualServersInformationSoapIn

This message is sent from the protocol client to the protocol server to initiate a **GetVirtualServersInformation** operation.

The SOAP actionvalue of the message is defined as follows:

1. http://schemas.microsoft.com/sharepoint/soap/GetVirtualServersInformation

The SOAP body MUST contain a **GetVirtualServersInformation** element.

###### GetVirtualServersInformationSoapOut

This message is sent from the protocol server to the protocol client when the **GetVirtualServersInformation** operation is finished.

The SOAP body MUST contain a **GetVirtualServersInformationResponse** element.

##### Elements

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) element definitions that are specific to this operation.

| Element | Description |
| --- | --- |
| **GetVirtualServersInformation** | Specifies the body of the **GetVirtualServersInformationSoapIn** message. |
| **GetVirtualServersInformationResponse** | Specifies the body of the **GetVirtualServersInformationSoapOut** message. |

###### GetVirtualServersInformation

This element forms the body of the **GetVirtualServersInformationSoapIn** message. It MUST adhere to the following XSD:

1. <s:element name="GetVirtualServersInformation">
2. <s:complexType/>
3. </s:element>

###### GetVirtualServersInformationResponse

This element forms the body of the **GetVirtualServersInformationSoapOut** message. It MUST adhere to the following XSD:

1. <s:element name="GetVirtualServersInformationResponse">
2. <s:complexType>
3. <s:sequence>
4. <s:element minOccurs="1" maxOccurs="1" name="GetVirtualServersInformationResult" type="tns:ArrayOfVirtualServerInformation" />
5. </s:sequence>
6. </s:complexType>
7. </s:element>

**GetVirtualServersInformationResult:** The names and URLs of all [**web applications**](#gt_6b0c6982-1354-4309-86eb-c4c4ae9d8bcb) within the farm.

##### Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

| Complex type | Description |
| --- | --- |
| **ArrayOfVirtualServerInformation** | Specifies a sequence of **VirtualServerInformation** elements. |
| **VirtualServerInformation** | Specifies the name and URL of a [**web application**](#gt_6b0c6982-1354-4309-86eb-c4c4ae9d8bcb). |

###### ArrayOfVirtualServerInformation

A sequence of **VirtualServerInformation** elements as specified by the following XSD:

1. <s:complexType name="ArrayOfVirtualServerInformation">
2. <s:sequence>
3. <s:element name="VirtualServerInformation" type="tns:VirtualServerInformation" nillable="true" minOccurs="0" maxOccurs="unbounded"/>
4. </s:sequence>
5. </s:complexType>

**VirtualServerInformation:** The name and URL of a single [**web application**](#gt_6b0c6982-1354-4309-86eb-c4c4ae9d8bcb)within the farm.

###### VirtualServerInformation

The name and URL of a [**web application**](#gt_6b0c6982-1354-4309-86eb-c4c4ae9d8bcb) as specified by the following XSD:

1. <s:complexType name="VirtualServerInformation">
2. <s:sequence>
3. <s:element minOccurs="1" maxOccurs="1" name="VirtualServerName" type="s:string" />
4. <s:element minOccurs="1" maxOccurs="1" name="VirtualServerUrl" type="s:string" />
5. </s:sequence>
6. </s:complexType>

**VirtualServerName:** The name of the web application.

**VirtualServerUrl:** The URL of the web application.

##### Simple Types

None.

##### Attributes

None.

##### Groups

None.

##### Attribute Groups

None.

#### RunJob

This operation runs the specified import job, as follows.

1. <wsdl:operation name="RunJob">
2. <wsdl:input message="tns:RunJobSoapIn" />
3. <wsdl:output message="tns:RunJobSoapOut" />
4. </wsdl:operation>

The protocol client initiates the operation by sending a **RunJobSoapIn** request message to the protocol server, formatted as specified in section [3.1.4.9.1.1](#Section_7332d38d62c74dbd9f4cb5892fcb27cf).

If the **jobId** parameter of the **RunJobSoapIn** message identifies an existing import job that is not in any of the following states—**ImportPreparing**, **ImportInProgress**, **ImportTimedOut**, or **CancelInProgress**—the protocol server MUST execute the import job. Otherwise, the protocol server MUST take no action.

When the operation is finished, the protocol server MUST respond with a **RunJobSoapOut** response message, formatted as specified in section [3.1.4.9.1.2](#Section_acea8be6d9494f20aa415f9d5d934938).

##### Messages

The following table summarizes the set of [**WSDL**](#gt_5a824664-0858-4b09-b852-83baf4584efa) message definitions that are specific to this operation.

| Message | Description |
| --- | --- |
| **RunJobSoapIn** | A request to initiate a **RunJob** operation on the protocol server. |
| **RunJobSoapOut** | A response from the protocol server at completion of the **RunJob** operation. |

###### RunJobSoapIn

This message is sent from the protocol client to the protocol server to initiate a **RunJob** operation.

The SOAP actionvalue of the message is defined as follows:

1. http://schemas.microsoft.com/sharepoint/soap/RunJob

The SOAP body MUST contain a **RunJob** element.

###### RunJobSoapOut

This message is sent from the protocol server to the protocol client when the **RunJob** operation is finished.

The SOAP body MUST contain a **RunJobResponse** element.

##### Elements

The following table summarizes the [**XML schema**](#gt_bd0ce6f9-c350-4900-827e-951265294067) element definitions that are specific to this operation.

| Element | Description |
| --- | --- |
| **RunJob** | Specifies the body of the **RunJobSoapIn** message. |
| **RunJobResponse** | Specifies the body of the **RunJobSoapOut** message. |

###### RunJob

This element forms the body of the **RunJobSoapIn** message. It MUST adhere to the following XSD:

1. <s:element name="RunJob">
2. <s:complexType>
3. <s:sequence>
4. <s:element minOccurs="1" maxOccurs="1" name="jobId" type="s1:guid" />
5. </s:sequence>
6. </s:complexType>
7. </s:element>

**jobId:** The identifier of the import job.

###### RunJobResponse

This element forms the body of the **RunJobSoapOut** message. It MUST adhere to the following XSD:

1. <s:element name="RunJobResponse">
2. <s:complexType/>
3. </s:element>

##### Complex Types

None.

##### Simple Types

None.

##### Attributes

None.

##### Groups

None.

##### Attribute Groups

None.

### Timer Events

None.

### Other Local Events

None.

## ContentDeploymentRemoteImportSoap Client Details

### Abstract Data Model

None.

### Timers

None.

### Initialization

None.

### Message Processing Events and Sequencing Rules

To perform a successful remote import operation, the protocol client MUST have farm administrator rights on the remote import server and MUST perform the following operations in order:

1. Export content from the [**export server**](#gt_49646fc2-9a88-44c3-966c-c5a93cec779f) and store it in a local [**deployment package**](#gt_c900ff03-697a-406c-9121-fd43e84fc1b1).

The deployment package[<5>](#Appendix_A_5" \o "Product behavior note 5) MUST adhere to the format specified in [[MS-PRIMEPF]](%5bMS-PRIMEPF%5d.pdf#Section_ed939296b69e4a4fa5f75f776c8e59ff).

The names of the deployment package (1) files MUST be as specified in [MS-PRIMEPF] section 2. For a compressed deployment package (1) (consisting of one or more cabinet files) names of the cabinet files MUST be **BaseFileName**.cab for the first file and **BaseFileName***n*.cab for subsequent files, where **BaseFileName** equals ExportedFiles[<6>](#Appendix_A_6" \o "Product behavior note 6), and *n* is an integer starting with 1 and incrementing monotonically.

The deployment package MUST contain the file ExportSettings.xml specified in [MS-PRIMEPF] section 2.2 with the following settings:

**IncludeSecurity**: MUST be set to one of the values specified in [MS-PRIMEPF] section 2.2.4.4.

**IncludeVersions**: MUST be set to **SPIncludeVersions.LastMajorAndMinor** as specified in [MS-PRIMEPF] section 2.2.4.5.

**ExcludeDependencies**: MUST be set to false.

The mechanism by which the protocol client performs this export operation is outside the scope of this protocol.

1. Call the **CreateJob** operation to create an import job.

The protocol client MUST save the identifier of the newly created import job that is returned by the protocol server. This identifier will be needed in step 4.

1. Call the **GetRemoteAdminServerUrl** operation to retrieve the base URL for uploading the deployment package.
2. Use the [**HTTP POST**](#gt_169a29c5-f2b0-4f64-802f-3720b8b5c7ea) operation to upload the deployment package to the following URL:

*AdminServerUrl*/\_admin/Content Deployment/DeploymentUpload.aspx?filename=*FileName*&remoteJobId=*JobId*

where *AdminServerUrl* MUST be the URL retrieved in step 3, *FileName* MUST be the name of the file being uploaded, and *JobId* MUST be the identifier of the import job returned by the call to **CreateJob** in step 2.

If there are multiple files in the deployment package, the protocol client MUST use the HTTP POST operation repeatedly to upload each file.

1. Call the **RunJob** operation to import the deployment package.
2. Optionally, call the **GetJobStatus** operation to retrieve the status of the import job.

### Timer Events

None.

### Other Local Events

None.

# Protocol Examples

## GetRemoteAdminServerUrl

If a protocol client wants to retrieve the URL of the central administration siteof the remote import server, the protocol client sends a [**SOAP message**](#gt_96185df3-4677-478c-b239-f72fcf514c59) such as the following:

1. <?xml version="1.0" encoding="utf-8"?>
2. <soap:Envelope
3. xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
4. xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
5. xmlns:xsd="http://www.w3.org/2001/XMLSchema">
6. <soap:Body>
7. <GetRemoteAdminServerUrl
8. xmlns="http://schemas.microsoft.com/sharepoint/soap/">
9. <clientVersion>
10. 12.0.6211.1000
11. </clientVersion>
12. </GetRemoteAdminServerUrl>
13. </soap:Body>
14. </soap:Envelope>

The protocol server responds with a SOAP message such as the following:

1. <?xml version="1.0" encoding="utf-8"?>
2. <soap:Envelope
3. xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
4. xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
5. xmlns:xsd="http://www.w3.org/2001/XMLSchema">
6. <soap:Body>
7. <GetRemoteAdminServerUrlResponse
8. xmlns="http://schemas.microsoft.com/sharepoint/soap/">
9. <GetRemoteAdminServerUrlResult>
10. http://www.contoso.com:8000
11. </GetRemoteAdminServerUrlResult>
12. </GetRemoteAdminServerUrlResponse>
13. </soap:Body>
14. </soap:Envelope>

## CreateJob

If a protocol client wants to create a new import job, the protocol client sends a SOAP message such as the following:

1. <?xml version="1.0" encoding="utf-8"?>
2. <soap:Envelope
3. xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
4. xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
5. xmlns:xsd="http://www.w3.org/2001/XMLSchema">
6. <soap:Body>
7. <CreateJob
8. xmlns="http://schemas.microsoft.com/sharepoint/soap/">
9. <description>
10. Update Product Sites
11. </description>
12. <sourceId>
13. 6faeca33-f332-488b-93b8-2ecfb858ca4e
14. </sourceId>
15. <destinationServerUrl>
16. http://contoso.com:90
17. </destinationServerUrl>
18. <destinationSiteCollection>
19. /Product Sites
20. </destinationSiteCollection>
21. <includeSecurity>
22. All
23. </includeSecurity>
24. <includeUserInfoDateTime>
25. ImportAll
26. </includeUserInfoDateTime>
27. <enableEventReceivers>
28. true
29. </enableEventReceivers>
30. <fileCompression>
31. true
32. </fileCompression>
33. </CreateJob>
34. </soap:Body>
35. </soap:Envelope>

The protocol server responds with a SOAP message such as the following:

1. <?xml version="1.0" encoding="utf-8"?>
2. <soap:Envelope
3. xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
4. xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
5. xmlns:xsd="http://www.w3.org/2001/XMLSchema">
6. <soap:Body>
7. <CreateJobResponse
8. xmlns="http://schemas.microsoft.com/sharepoint/soap/">
9. <CreateJobResult>
10. 0fdac8a8-87ca-45d7-8eb6-ba5c976f5b57
11. </CreateJobResult>
12. </CreateJobResponse>
13. </soap:Body>
14. </soap:Envelope>

## GetJobStatus

If a protocol client wants to obtain the status of an existing import job, the protocol client sends a SOAP message, such as the following:

1. <?xml version="1.0" encoding="utf-8"?>
2. <soap:Envelope
3. xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
4. xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
5. xmlns:xsd="http://www.w3.org/2001/XMLSchema">
6. <soap:Body>
7. <GetJobStatus
8. xmlns="http://schemas.microsoft.com/sharepoint/soap/">
9. <jobId>
10. 0fdac8a8-87ca-45d7-8eb6-ba5c976f5b57
11. </jobId>
12. </GetJobStatus>
13. </soap:Body>
14. </soap:Envelope>

The protocol server responds with a SOAP message, such as the following:

1. <?xml version="1.0" encoding="utf-8"?>
2. <soap:Envelope
3. xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
4. xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
5. xmlns:xsd="http://www.w3.org/2001/XMLSchema">
6. <soap:Body>
7. <GetJobStatusResponse
8. xmlns="http://schemas.microsoft.com/sharepoint/soap/">
9. <GetJobStatusResult>
10. <Status>
11. ImportInProgress
12. </Status>
13. <StatusMessage>
14. Content deployment job 'Remote import job with sourceID = CDJob001': Import in progress
15. </StatusMessage>
16. <LastModifiedTime>
17. 2008-02-15T19:09:09
18. </LastModifiedTime>
19. <StartTime>
20. 2008-02-15T19:08:31
21. </StartTime>
22. <EndTime>
23. 2008-02-15T19:09:09
24. </EndTime>
25. <ImportedObjectCount>
26. 324
27. </ImportedObjectCount>
28. <ContentSize>
29. 0
30. </ContentSize>
31. <ImportLogFileMachineName>cox64-112</ImportLogFileMachineName>
32. <ImportLogFilePath>
33. D:\ProgramData\ContentDeployment\ImportExportLogs\398052fb-86ca-4d3d-914b-2e952cebcff2\ExportLog\_20091210\_082455.zip
34. </ImportLogFilePath>
35. <ReportMessages/>
36. </GetJobStatusResult>
37. </GetJobStatusResponse>
38. </soap:Body>
39. </soap:Envelope>

# Security

## Security Considerations for Implementers

None.

## Index of Security Parameters

None.

# Appendix A: Full WSDL

For ease of implementation, the full WSDL and schema are provided in this appendix.

1. <?xml version="1.0" encoding="utf-8"?>
2. <wsdl:definitions xmlns:s="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/" xmlns:tns="http://schemas.microsoft.com/sharepoint/soap/" xmlns:s1="http://microsoft.com/wsdl/types/" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/" targetNamespace="http://schemas.microsoft.com/sharepoint/soap/">
3. <wsdl:types>
4. <s:schema elementFormDefault="qualified" targetNamespace="http://schemas.microsoft.com/sharepoint/soap/">
5. <s:import namespace="http://microsoft.com/wsdl/types/" />
6. <s:element name="GetRemoteAdminServerUrl">
7. <s:complexType>
8. <s:sequence>
9. <s:element minOccurs="1" maxOccurs="1" name="clientVersion" type="s:string" />
10. </s:sequence>
11. </s:complexType>
12. </s:element>
13. <s:element name="GetRemoteAdminServerUrlResponse">
14. <s:complexType>
15. <s:sequence>
16. <s:element minOccurs="1" maxOccurs="1" name="GetRemoteAdminServerUrlResult" type="s:string" />
17. </s:sequence>
18. </s:complexType>
19. </s:element>
20. <s:element name="GetVirtualServersInformation">
21. <s:complexType />
22. </s:element>
23. <s:element name="GetVirtualServersInformationResponse">
24. <s:complexType>
25. <s:sequence>
26. <s:element minOccurs="1" maxOccurs="1" name="GetVirtualServersInformationResult" type="tns:ArrayOfVirtualServerInformation" />
27. </s:sequence>
28. </s:complexType>
29. </s:element>
30. <s:complexType name="ArrayOfVirtualServerInformation">
31. <s:sequence>
32. <s:element minOccurs="0" maxOccurs="unbounded" name="VirtualServerInformation" nillable="true" type="tns:VirtualServerInformation" />
33. </s:sequence>
34. </s:complexType>
35. <s:complexType name="VirtualServerInformation">
36. <s:sequence>
37. <s:element minOccurs="1" maxOccurs="1" name="VirtualServerName" type="s:string" />
38. <s:element minOccurs="1" maxOccurs="1" name="VirtualServerUrl" type="s:string" />
39. </s:sequence>
40. </s:complexType>
41. <s:element name="GetSiteCollectionNames">
42. <s:complexType>
43. <s:sequence>
44. <s:element minOccurs="1" maxOccurs="1" name="virtualServerUrl" type="s:string" />
45. </s:sequence>
46. </s:complexType>
47. </s:element>
48. <s:element name="GetSiteCollectionNamesResponse">
49. <s:complexType>
50. <s:sequence>
51. <s:element minOccurs="1" maxOccurs="1" name="GetSiteCollectionNamesResult" type="tns:ArrayOfString" />
52. </s:sequence>
53. </s:complexType>
54. </s:element>
55. <s:complexType name="ArrayOfString">
56. <s:sequence>
57. <s:element minOccurs="0" maxOccurs="unbounded" name="string" nillable="true" type="s:string" />
58. </s:sequence>
59. </s:complexType>
60. <s:element name="CreateJob">
61. <s:complexType>
62. <s:sequence>
63. <s:element minOccurs="1" maxOccurs="1" name="description" type="s:string" />
64. <s:element minOccurs="1" maxOccurs="1" name="sourceId" type="s1:guid" />
65. <s:element minOccurs="1" maxOccurs="1" name="destinationServerUrl" type="s:string" />
66. <s:element minOccurs="1" maxOccurs="1" name="destinationSiteCollection" type="s:string" />
67. <s:element minOccurs="1" maxOccurs="1" name="includeSecurity" type="tns:SPIncludeSecurity" />
68. <s:element minOccurs="1" maxOccurs="1" name="includeUserInfoDateTime" type="tns:SPImportUserInfoDateTimeOption" />
69. <s:element minOccurs="1" maxOccurs="1" name="enableEventReceivers" type="s:boolean" />
70. <s:element minOccurs="1" maxOccurs="1" name="fileCompression" type="s:boolean" />
71. </s:sequence>
72. </s:complexType>
73. </s:element>
74. <s:simpleType name="SPIncludeSecurity">
75. <s:restriction base="s:string">
76. <s:enumeration value="None" />
77. <s:enumeration value="WssOnly" />
78. <s:enumeration value="All" />
79. </s:restriction>
80. </s:simpleType>
81. <s:simpleType name="SPImportUserInfoDateTimeOption">
82. <s:restriction base="s:string">
83. <s:enumeration value="None" />
84. <s:enumeration value="ReplaceUserWithSystemAccount" />
85. <s:enumeration value="ImportAll" />
86. </s:restriction>
87. </s:simpleType>
88. <s:element name="CreateJobResponse">
89. <s:complexType>
90. <s:sequence>
91. <s:element minOccurs="1" maxOccurs="1" name="CreateJobResult" type="s1:guid" />
92. </s:sequence>
93. </s:complexType>
94. </s:element>
95. <s:element name="GetJobStatus">
96. <s:complexType>
97. <s:sequence>
98. <s:element minOccurs="1" maxOccurs="1" name="jobId" type="s1:guid" />
99. </s:sequence>
100. </s:complexType>
101. </s:element>
102. <s:element name="GetJobStatusResponse">
103. <s:complexType>
104. <s:sequence>
105. <s:element minOccurs="1" maxOccurs="1" name="GetJobStatusResult" type="tns:ContentDeploymentRemoteJobStatus" />
106. </s:sequence>
107. </s:complexType>
108. </s:element>
109. <s:complexType name="ContentDeploymentRemoteJobStatus">
110. <s:sequence>
111. <s:element minOccurs="1" maxOccurs="1" name="Status" type="tns:ContentDeploymentJobStatus" />
112. <s:element minOccurs="1" maxOccurs="1" name="StatusMessage" type="s:string" />
113. <s:element minOccurs="1" maxOccurs="1" name="LastModifiedTime" type="s:dateTime" />
114. <s:element minOccurs="1" maxOccurs="1" name="StartTime" type="s:dateTime" />
115. <s:element minOccurs="1" maxOccurs="1" name="EndTime" type="s:dateTime" />
116. <s:element minOccurs="1" maxOccurs="1" name="ImportedObjectCount" type="s:int" />
117. <s:element minOccurs="1" maxOccurs="1" name="ContentSize" type="s:long" />
118. <s:element minOccurs="1" maxOccurs="1" name="ImportLogFileMachineName" type="s:string" />
119. <s:element minOccurs="1" maxOccurs="1" name="ImportLogFilePath" type="s:string" />
120. <s:element minOccurs="1" maxOccurs="1" name="ReportMessages" type="tns:ArrayOfReportMessage" />
121. </s:sequence>
122. </s:complexType>
123. <s:simpleType name="ContentDeploymentJobStatus">
124. <s:restriction base="s:string">
125. <s:enumeration value="Success" />
126. <s:enumeration value="Failure" />
127. <s:enumeration value="Cancelled" />
128. <s:enumeration value="ImportInProgress" />
129. <s:enumeration value="CancelInProgress" />
130. <s:enumeration value="ImportPreparing" />
131. <s:enumeration value="ImportTimedOut" />
132. </s:restriction>
133. </s:simpleType>
134. <s:complexType name="ArrayOfReportMessage">
135. <s:sequence>
136. <s:element minOccurs="0" maxOccurs="unbounded" name="ReportMessage" nillable="true" type="tns:ReportMessage" />
137. </s:sequence>
138. </s:complexType>
139. <s:complexType name="ReportMessage">
140. <s:attribute name="Title" type="s:string" />
141. <s:attribute name="Time" type="s:dateTime" use="required" />
142. <s:attribute name="Severity" type="tns:MessageSeverity" use="required" />
143. <s:attribute name="Description" type="s:string" />
144. <s:attribute name="Recommendation" type="s:string" />
145. <s:attribute name="ObjectName" type="s:string" />
146. <s:attribute name="Phase" type="s:string" />
147. </s:complexType>
148. <s:simpleType name="MessageSeverity">
149. <s:restriction base="s:string">
150. <s:enumeration value="Informational" />
151. <s:enumeration value="Warning" />
152. <s:enumeration value="Error" />
153. </s:restriction>
154. </s:simpleType>
155. <s:element name="RunJob">
156. <s:complexType>
157. <s:sequence>
158. <s:element minOccurs="1" maxOccurs="1" name="jobId" type="s1:guid" />
159. </s:sequence>
160. </s:complexType>
161. </s:element>
162. <s:element name="RunJobResponse">
163. <s:complexType />
164. </s:element>
165. <s:element name="DeleteJob">
166. <s:complexType>
167. <s:sequence>
168. <s:element minOccurs="1" maxOccurs="1" name="jobId" type="s1:guid" />
169. </s:sequence>
170. </s:complexType>
171. </s:element>
172. <s:element name="DeleteJobResponse">
173. <s:complexType />
174. </s:element>
175. <s:element name="CancelJob">
176. <s:complexType>
177. <s:sequence>
178. <s:element minOccurs="1" maxOccurs="1" name="jobId" type="s1:guid" />
179. </s:sequence>
180. </s:complexType>
181. </s:element>
182. <s:element name="CancelJobResponse">
183. <s:complexType />
184. </s:element>
185. <s:element name="DeleteImportLogs">
186. <s:complexType>
187. <s:sequence>
188. <s:element minOccurs="1" maxOccurs="1" name="sourceJobId" type="s1:guid" />
189. </s:sequence>
190. </s:complexType>
191. </s:element>
192. <s:element name="DeleteImportLogsResponse">
193. <s:complexType />
194. </s:element>
195. </s:schema>
196. <s:schema elementFormDefault="qualified" targetNamespace="http://microsoft.com/wsdl/types/">
197. <s:simpleType name="guid">
198. <s:restriction base="s:string">
199. <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}" />
200. </s:restriction>
201. </s:simpleType>
202. </s:schema>
203. </wsdl:types>
204. <wsdl:message name="GetRemoteAdminServerUrlSoapIn">
205. <wsdl:part name="parameters" element="tns:GetRemoteAdminServerUrl" />
206. </wsdl:message>
207. <wsdl:message name="GetRemoteAdminServerUrlSoapOut">
208. <wsdl:part name="parameters" element="tns:GetRemoteAdminServerUrlResponse" />
209. </wsdl:message>
210. <wsdl:message name="GetVirtualServersInformationSoapIn">
211. <wsdl:part name="parameters" element="tns:GetVirtualServersInformation" />
212. </wsdl:message>
213. <wsdl:message name="GetVirtualServersInformationSoapOut">
214. <wsdl:part name="parameters" element="tns:GetVirtualServersInformationResponse" />
215. </wsdl:message>
216. <wsdl:message name="GetSiteCollectionNamesSoapIn">
217. <wsdl:part name="parameters" element="tns:GetSiteCollectionNames" />
218. </wsdl:message>
219. <wsdl:message name="GetSiteCollectionNamesSoapOut">
220. <wsdl:part name="parameters" element="tns:GetSiteCollectionNamesResponse" />
221. </wsdl:message>
222. <wsdl:message name="CreateJobSoapIn">
223. <wsdl:part name="parameters" element="tns:CreateJob" />
224. </wsdl:message>
225. <wsdl:message name="CreateJobSoapOut">
226. <wsdl:part name="parameters" element="tns:CreateJobResponse" />
227. </wsdl:message>
228. <wsdl:message name="GetJobStatusSoapIn">
229. <wsdl:part name="parameters" element="tns:GetJobStatus" />
230. </wsdl:message>
231. <wsdl:message name="GetJobStatusSoapOut">
232. <wsdl:part name="parameters" element="tns:GetJobStatusResponse" />
233. </wsdl:message>
234. <wsdl:message name="RunJobSoapIn">
235. <wsdl:part name="parameters" element="tns:RunJob" />
236. </wsdl:message>
237. <wsdl:message name="RunJobSoapOut">
238. <wsdl:part name="parameters" element="tns:RunJobResponse" />
239. </wsdl:message>
240. <wsdl:message name="DeleteJobSoapIn">
241. <wsdl:part name="parameters" element="tns:DeleteJob" />
242. </wsdl:message>
243. <wsdl:message name="DeleteJobSoapOut">
244. <wsdl:part name="parameters" element="tns:DeleteJobResponse" />
245. </wsdl:message>
246. <wsdl:message name="CancelJobSoapIn">
247. <wsdl:part name="parameters" element="tns:CancelJob" />
248. </wsdl:message>
249. <wsdl:message name="CancelJobSoapOut">
250. <wsdl:part name="parameters" element="tns:CancelJobResponse" />
251. </wsdl:message>
252. <wsdl:message name="DeleteImportLogsSoapIn">
253. <wsdl:part name="parameters" element="tns:DeleteImportLogs" />
254. </wsdl:message>
255. <wsdl:message name="DeleteImportLogsSoapOut">
256. <wsdl:part name="parameters" element="tns:DeleteImportLogsResponse" />
257. </wsdl:message>
258. <wsdl:portType name="ContentDeploymentRemoteImportSoap">
259. <wsdl:operation name="GetRemoteAdminServerUrl">
260. <wsdl:input message="tns:GetRemoteAdminServerUrlSoapIn" />
261. <wsdl:output message="tns:GetRemoteAdminServerUrlSoapOut" />
262. </wsdl:operation>
263. <wsdl:operation name="GetVirtualServersInformation">
264. <wsdl:input message="tns:GetVirtualServersInformationSoapIn" />
265. <wsdl:output message="tns:GetVirtualServersInformationSoapOut" />
266. </wsdl:operation>
267. <wsdl:operation name="GetSiteCollectionNames">
268. <wsdl:input message="tns:GetSiteCollectionNamesSoapIn" />
269. <wsdl:output message="tns:GetSiteCollectionNamesSoapOut" />
270. </wsdl:operation>
271. <wsdl:operation name="CreateJob">
272. <wsdl:input message="tns:CreateJobSoapIn" />
273. <wsdl:output message="tns:CreateJobSoapOut" />
274. </wsdl:operation>
275. <wsdl:operation name="GetJobStatus">
276. <wsdl:input message="tns:GetJobStatusSoapIn" />
277. <wsdl:output message="tns:GetJobStatusSoapOut" />
278. </wsdl:operation>
279. <wsdl:operation name="RunJob">
280. <wsdl:input message="tns:RunJobSoapIn" />
281. <wsdl:output message="tns:RunJobSoapOut" />
282. </wsdl:operation>
283. <wsdl:operation name="DeleteJob">
284. <wsdl:input message="tns:DeleteJobSoapIn" />
285. <wsdl:output message="tns:DeleteJobSoapOut" />
286. </wsdl:operation>
287. <wsdl:operation name="CancelJob">
288. <wsdl:input message="tns:CancelJobSoapIn" />
289. <wsdl:output message="tns:CancelJobSoapOut" />
290. </wsdl:operation>
291. <wsdl:operation name="DeleteImportLogs">
292. <wsdl:input message="tns:DeleteImportLogsSoapIn" />
293. <wsdl:output message="tns:DeleteImportLogsSoapOut" />
294. </wsdl:operation>
295. </wsdl:portType>
296. <wsdl:binding name="ContentDeploymentRemoteImportSoap" type="tns:ContentDeploymentRemoteImportSoap">
297. <soap:binding transport="http://schemas.xmlsoap.org/soap/http" />
298. <wsdl:operation name="GetRemoteAdminServerUrl">
299. <soap:operation soapAction="http://schemas.microsoft.com/sharepoint/soap/GetRemoteAdminServerUrl" style="document" />
300. <wsdl:input>
301. <soap:body use="literal" />
302. </wsdl:input>
303. <wsdl:output>
304. <soap:body use="literal" />
305. </wsdl:output>
306. </wsdl:operation>
307. <wsdl:operation name="GetVirtualServersInformation">
308. <soap:operation soapAction="http://schemas.microsoft.com/sharepoint/soap/GetVirtualServersInformation" style="document" />
309. <wsdl:input>
310. <soap:body use="literal" />
311. </wsdl:input>
312. <wsdl:output>
313. <soap:body use="literal" />
314. </wsdl:output>
315. </wsdl:operation>
316. <wsdl:operation name="GetSiteCollectionNames">
317. <soap:operation soapAction="http://schemas.microsoft.com/sharepoint/soap/GetSiteCollectionNames" style="document" />
318. <wsdl:input>
319. <soap:body use="literal" />
320. </wsdl:input>
321. <wsdl:output>
322. <soap:body use="literal" />
323. </wsdl:output>
324. </wsdl:operation>
325. <wsdl:operation name="CreateJob">
326. <soap:operation soapAction="http://schemas.microsoft.com/sharepoint/soap/CreateJob" style="document" />
327. <wsdl:input>
328. <soap:body use="literal" />
329. </wsdl:input>
330. <wsdl:output>
331. <soap:body use="literal" />
332. </wsdl:output>
333. </wsdl:operation>
334. <wsdl:operation name="GetJobStatus">
335. <soap:operation soapAction="http://schemas.microsoft.com/sharepoint/soap/GetJobStatus" style="document" />
336. <wsdl:input>
337. <soap:body use="literal" />
338. </wsdl:input>
339. <wsdl:output>
340. <soap:body use="literal" />
341. </wsdl:output>
342. </wsdl:operation>
343. <wsdl:operation name="RunJob">
344. <soap:operation soapAction="http://schemas.microsoft.com/sharepoint/soap/RunJob" style="document" />
345. <wsdl:input>
346. <soap:body use="literal" />
347. </wsdl:input>
348. <wsdl:output>
349. <soap:body use="literal" />
350. </wsdl:output>
351. </wsdl:operation>
352. <wsdl:operation name="DeleteJob">
353. <soap:operation soapAction="http://schemas.microsoft.com/sharepoint/soap/DeleteJob" style="document" />
354. <wsdl:input>
355. <soap:body use="literal" />
356. </wsdl:input>
357. <wsdl:output>
358. <soap:body use="literal" />
359. </wsdl:output>
360. </wsdl:operation>
361. <wsdl:operation name="CancelJob">
362. <soap:operation soapAction="http://schemas.microsoft.com/sharepoint/soap/CancelJob" style="document" />
363. <wsdl:input>
364. <soap:body use="literal" />
365. </wsdl:input>
366. <wsdl:output>
367. <soap:body use="literal" />
368. </wsdl:output>
369. </wsdl:operation>
370. <wsdl:operation name="DeleteImportLogs">
371. <soap:operation soapAction="http://schemas.microsoft.com/sharepoint/soap/DeleteImportLogs" style="document" />
372. <wsdl:input>
373. <soap:body use="literal" />
374. </wsdl:input>
375. <wsdl:output>
376. <soap:body use="literal" />
377. </wsdl:output>
378. </wsdl:operation>
379. </wsdl:binding>
380. <wsdl:binding name="ContentDeploymentRemoteImportSoap12" type="tns:ContentDeploymentRemoteImportSoap">
381. <soap12:binding transport="http://schemas.xmlsoap.org/soap/http" />
382. <wsdl:operation name="GetRemoteAdminServerUrl">
383. <soap12:operation soapAction="http://schemas.microsoft.com/sharepoint/soap/GetRemoteAdminServerUrl" style="document" />
384. <wsdl:input>
385. <soap12:body use="literal" />
386. </wsdl:input>
387. <wsdl:output>
388. <soap12:body use="literal" />
389. </wsdl:output>
390. </wsdl:operation>
391. <wsdl:operation name="GetVirtualServersInformation">
392. <soap12:operation soapAction="http://schemas.microsoft.com/sharepoint/soap/GetVirtualServersInformation" style="document" />
393. <wsdl:input>
394. <soap12:body use="literal" />
395. </wsdl:input>
396. <wsdl:output>
397. <soap12:body use="literal" />
398. </wsdl:output>
399. </wsdl:operation>
400. <wsdl:operation name="GetSiteCollectionNames">
401. <soap12:operation soapAction="http://schemas.microsoft.com/sharepoint/soap/GetSiteCollectionNames" style="document" />
402. <wsdl:input>
403. <soap12:body use="literal" />
404. </wsdl:input>
405. <wsdl:output>
406. <soap12:body use="literal" />
407. </wsdl:output>
408. </wsdl:operation>
409. <wsdl:operation name="CreateJob">
410. <soap12:operation soapAction="http://schemas.microsoft.com/sharepoint/soap/CreateJob" style="document" />
411. <wsdl:input>
412. <soap12:body use="literal" />
413. </wsdl:input>
414. <wsdl:output>
415. <soap12:body use="literal" />
416. </wsdl:output>
417. </wsdl:operation>
418. <wsdl:operation name="GetJobStatus">
419. <soap12:operation soapAction="http://schemas.microsoft.com/sharepoint/soap/GetJobStatus" style="document" />
420. <wsdl:input>
421. <soap12:body use="literal" />
422. </wsdl:input>
423. <wsdl:output>
424. <soap12:body use="literal" />
425. </wsdl:output>
426. </wsdl:operation>
427. <wsdl:operation name="RunJob">
428. <soap12:operation soapAction="http://schemas.microsoft.com/sharepoint/soap/RunJob" style="document" />
429. <wsdl:input>
430. <soap12:body use="literal" />
431. </wsdl:input>
432. <wsdl:output>
433. <soap12:body use="literal" />
434. </wsdl:output>
435. </wsdl:operation>
436. <wsdl:operation name="DeleteJob">
437. <soap12:operation soapAction="http://schemas.microsoft.com/sharepoint/soap/DeleteJob" style="document" />
438. <wsdl:input>
439. <soap12:body use="literal" />
440. </wsdl:input>
441. <wsdl:output>
442. <soap12:body use="literal" />
443. </wsdl:output>
444. </wsdl:operation>
445. <wsdl:operation name="CancelJob">
446. <soap12:operation soapAction="http://schemas.microsoft.com/sharepoint/soap/CancelJob" style="document" />
447. <wsdl:input>
448. <soap12:body use="literal" />
449. </wsdl:input>
450. <wsdl:output>
451. <soap12:body use="literal" />
452. </wsdl:output>
453. </wsdl:operation>
454. <wsdl:operation name="DeleteImportLogs">
455. <soap12:operation soapAction="http://schemas.microsoft.com/sharepoint/soap/DeleteImportLogs" style="document" />
456. <wsdl:input>
457. <soap12:body use="literal" />
458. </wsdl:input>
459. <wsdl:output>
460. <soap12:body use="literal" />
461. </wsdl:output>
462. </wsdl:operation>
463. </wsdl:binding>
464. </wsdl:definitions>

# Appendix B: Product Behavior

The information in this specification is applicable to the following Microsoft products or supplemental software. References to product versions include updates to those products.

* Microsoft Office SharePoint Server 2007
* Microsoft SharePoint Server 2010
* Microsoft SharePoint Server 2013
* Microsoft SharePoint Server 2016
* Microsoft SharePoint Server 2019
* Microsoft SharePoint Server Subscription Edition

Exceptions, if any, are noted in this section. If an update version, service pack or Knowledge Base (KB) number appears with a product name, the behavior changed in that update. The new behavior also applies to subsequent updates 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 3.1.4.2](#Appendix_A_Target_1): Office SharePoint Server 2007 does not create a new import job if the protocol server finds no existing import jobwith the same **sourceId** parameter to delete but a [**timer job**](#gt_eb8737f6-83de-4a84-86fa-1a8c62688333) exists with the following name: "ContentDeploymentJobDefinition: Remote import job for job with sourceID = *sourceId*" where *sourceId* is the value of the **sourceId** parameter.

[<2> Section 3.1.4.2.2.1](#Appendix_A_Target_2): For versions previous to SharePoint Server 2010 the **sourceId** parameter is declared with the type set to "s:string". It MUST adhere to the format specified in section [2.2.5.1](#Section_1409204c76824949859cd4c27cf2265b).

[<3> Section 3.1.4.3](#Appendix_A_Target_3): The **DeleteImportLogs** operation is not included in Office SharePoint Server 2007 before update KB2345212 is installed.

[<4> Section 3.1.4.5.3.1](#Appendix_A_Target_4): The **ImportLogFileMachineName** and **ImportLogFilePath** elements in the **ContentDeploymentRemoteJobStatus** complex type are not included in Office SharePoint Server 2007 before update KB2345212 is installed.

[<5> Section 3.2.4](#Appendix_A_Target_5): The [**deployment package**](#gt_c900ff03-697a-406c-9121-fd43e84fc1b1) generated by Office SharePoint Server 2007 contains the file ContentDeploymentInformation.xml. This file is reserved and MUST be ignored by import jobs.

[<6> Section 3.2.4](#Appendix_A_Target_6): For remote import servers running Office SharePoint Server 2007 **BaseFileName** MUST be either ExportedFiles.cab or ExportedFilesRetryNNN\_.cab where NNN is a three-digit integer between 001 and 999.

# Change Tracking

This section identifies changes that were made to this document since the last release. Changes are classified as Major, Minor, or None.

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.
* A document revision that captures changes to protocol functionality.

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 **None** means that no new technical changes were introduced. Minor editorial and formatting changes may have been made, but the relevant technical content is identical to the last released version.

The changes made to this document are listed in the following table. For more information, please contact [dochelp@microsoft.com](mailto:dochelp@microsoft.com).

| Section | Description | Revision class |
| --- | --- | --- |
| [7](#Section_c0d84f32623e4958afabbfda2d01e8d6) Appendix B: Product Behavior | Updated list of supported products. | Major |

# Index

A

Abstract data model

[client](#section_ee83405b49c4425db1c622573510b03f) 39

[server](#section_43824ed4374941598b1bf66fb2fbefcc) 15

[Applicability](#section_dc3cd308c91a4acbb59d0ce63ac7095d) 11

[Attribute groups](#section_0bbf78e3e6bd4421932fd7251a32f066) 14

[Attributes](#section_9dc3f95e16994b2db131aeccacce7bed) 14

C

[Capability negotiation](#section_99e15a8b230b433ba54fcbb267f1c230) 11

[Change tracking](#section_8887dffb75c74565a841d7203bac900b) 54

Client

[abstract data model](#section_ee83405b49c4425db1c622573510b03f) 39

[initialization](#section_e2454d0e87b34f65a8a7fe25dd8b0563) 39

[local events](#section_c69211d656104183985abe8dad5155e8) 40

[message processing](#section_a1cffb1bfb6c4ea8b3ac9acbe0d89448) 39

[overview](#section_96ab0ef495ce4cf5b93fbf36f839540b) 15

[sequencing rules](#section_a1cffb1bfb6c4ea8b3ac9acbe0d89448) 39

[timer events](#section_1dc04acf9e3f46ab928cf48b01dbef0a) 40

[timers](#section_8b4cf903308648bcb20f1850704e2fa5) 39

[Complex types](#section_378b3d0b807942779e2df8a882445673) 14

server

[ArrayOfReportMessage](#section_be0bd1f7c82b40479bae1471285d63cc) 28

[ArrayOfString](#section_c4c3cfe9d5804f17a4afa3936ed3cae4) 34

[ArrayOfVirtualServerInformation](#section_54249a585996450bac9dc0e0076e83f1) 36

[ContentDeploymentRemoteJobStatus](#section_685f64b3ff7c4e9eb075faf6f71716b5) 27

[ReportMessage](#section_771924ebaa424482b42f294a239e9f46) 28

[VirtualServerInformation](#section_893966a056d34984abcf12e7baf9edb4) 36

[ContentDeploymentRemoteImportSoap port type](#section_ad7e649ffe3040c5b94fc59b1ee714b4) 15

[CreateJob example](#section_834016c66ad24444bb7fb21d2ed2da19) 41

D

Data model - abstract

[client](#section_ee83405b49c4425db1c622573510b03f) 39

[server](#section_43824ed4374941598b1bf66fb2fbefcc) 15

E

Elements

server

[CancelJob](#section_11ac4b6c4d364657a49239547fdc691a) 17

[CancelJobResponse](#section_24c67302809e41c9984e84d16c3fd1ce) 17

[CreateJob](#section_dbb302ca3505419a8ffaffccaecc087e) 19

[CreateJobResponse](#section_9d3e6951d3a849babcc12084fb91500a) 20

[DeleteImportLogs](#section_d96a5e8270f14086af9044406768d3ec) 22

[DeleteImportLogsResponse](#section_d323cad7e77248d1a56212c10cbdefc0) 22

[DeleteJob](#section_a81eb8c24d1a423a88e4719ade00db76) 24

[DeleteJobResponse](#section_6d3c8ca916e049c4ab7bec7d746caa7b) 24

[GetJobStatus](#section_b71b82df56b6424db76540d5406b673b) 26

[GetJobStatusResposne](#section_2173f9271a4c4dbb8fce45e9c9248b51) 26

[GetRemoteAdminServerUrl](#section_59afbb9d8b83404e8fd747267b872411) 31

[GetRemoteAdminServerUrlResponse](#section_54a81159d8fc4cef85462c13f4373988) 31

[GetSiteCollectionNames](#section_34bdea72c1ae496982c626f5514c8190) 33

[GetSiteCollectionNamesResponse](#section_7169c1f126b94428bee5f2fecc88b98d) 33

[GetVirtualServersInformation](#section_b575626e4bc6469a9d1d610b45162509) 35

[GetVirtualServersInformationResponse](#section_ef8fcf36f5bb44f19585c3ab88ba3b01) 36

[RunJob](#section_77d7d44da62543eea4de364a494316c6) 38

[RunJobResponse](#section_11a938ba4faa47b39d51319144783e36) 38

Events

[local - client](#section_c69211d656104183985abe8dad5155e8) 40

[local - server](#section_39c2a673f50e499eb57c6a58a05a4086) 39

[timer - client](#section_1dc04acf9e3f46ab928cf48b01dbef0a) 40

[timer - server](#section_29aad4d441634ee7b21eb638b2adef2e) 39

Examples

[CreateJob](#section_834016c66ad24444bb7fb21d2ed2da19) 41

[GetJobStatus](#section_a899f2ffdb5b443ab8e9aea2cc3ac8b3) 42

[GetJRemoteAdminServerUrl](#section_934ac152f0204bdab10a3bca041bfceb) 41

F

[Fields - vendor-extensible](#section_3002aa73692840a9aa693edfc1019f7b) 12

[Full WSDL](#section_471b2adf3bc1470184c547df7b6d5717) 45

G

[GetJobStatus example](#section_a899f2ffdb5b443ab8e9aea2cc3ac8b3) 42

[GetJRemoteAdminServerUrl example](#section_934ac152f0204bdab10a3bca041bfceb) 41

[Glossary](#section_3b05d09087b5426ab6f2108a99d66090) 8

[Groups](#section_f961faeca31148c68dc20e8d68349d28) 14

[guid simple type](#section_1409204c76824949859cd4c27cf2265b) 14

I

[Implementer - security considerations](#section_ff1638f390754823a99f5b8dc614dda5) 44

[Index of security parameters](#section_d21744ef8a944d7b9e95b6716afa57ce) 44

[Informative references](#section_7881e8cf6fe9470595afff7aac378a9d) 10

Initialization

[client](#section_e2454d0e87b34f65a8a7fe25dd8b0563) 39

[server](#section_2de2710597f24b479fd7e5ca4ac955f4) 15

[Introduction](#section_b8c8a3c871e74ec6b50f8069690b48f2) 8

L

Local events

[client](#section_c69211d656104183985abe8dad5155e8) 40

[server](#section_39c2a673f50e499eb57c6a58a05a4086) 39

M

Message processing

[client](#section_a1cffb1bfb6c4ea8b3ac9acbe0d89448) 39

[server](#section_609c5fddbd8c4883bb2460d51ef284f3) 15

Messages

[attribute groups](#section_0bbf78e3e6bd4421932fd7251a32f066) 14

[attributes](#section_9dc3f95e16994b2db131aeccacce7bed) 14

[complex types](#section_378b3d0b807942779e2df8a882445673) 14

[elements](#section_e4a00cc264c548c0a44aeb9e1cc3fd06) 13

[enumerated](#section_2e997eb5e5cc4f359bdebd2674004e33) 13

[groups](#section_f961faeca31148c68dc20e8d68349d28) 14

[guid simple type](#section_1409204c76824949859cd4c27cf2265b) 14

[namespaces](#section_12b8bc40eec8475e8a8b5743d7b33a49) 13

server

[CancelJobSoapIn](#section_60b228c17c8349118e1d56a785d6a9f7) 16

[CancelJobSoapOut](#section_6c034cb36783437aac61a28fc91f0694) 16

[CreateJobSoapIn](#section_2248cd0c327043ecb58a0a9bc74cf1bf) 18

[CreateJobSoapOut](#section_5c63c4dbf8cc43caab245c7e9cb62e66) 18

[DeleteImportLogsSoapIn](#section_7077a44afc7447d5af49bd620ddbfae7) 22

[DeleteImportLogsSoapOut](#section_d9cb3de528b041aaa915c1a7acac2e41) 22

[DeleteJobSoapIn](#section_87bbeb28880045b7abfd513f663c7d40) 24

[DeleteJobSoapOut](#section_47ebd8a426e9485f8a9cd792d342397f) 24

[GetJobStatusSoapIn](#section_ece96e8bc1824c319c60f89bb055f634) 25

[GetJobStatusSoapOut](#section_eb30022fff474a9b8ee2dd285681e4a4) 26

[GetRemoteAdminServerUrlSoapIn](#section_d22d2b8002ee499794aa4f7da99e419b) 30

[GetRemoteAdminServerUrlSoapOut](#section_5ae2599c2e01430bb01ea1449dc5f4ca) 31

[GetSiteCollectionNamesSoapIn](#section_98d788c1abc24e8e941b8d347b85bc32) 32

[GetSiteCollectionNamesSoapOut](#section_ccb86407963e42e8b39a2cab9a651b4e) 33

[GetVirtualServersInformationSoapIn](#section_151bb5649dbd4e30af4ac2070fd8da18) 35

[GetVirtualServersInformationSoapOut](#section_bba8a6a9fffb427fb764e60435c2418c) 35

[RunJobSoapIn](#section_7332d38d62c74dbd9f4cb5892fcb27cf) 38

[RunJobSoapOut](#section_acea8be6d9494f20aa415f9d5d934938) 38

[simple types](#section_980c08e441744f688d869bc60b2d7a0a) 14

[syntax](#section_8e4b9547e68046f38c15d399a16d9e0a) 13

[transport](#section_4eb7fb40d2c542508f2aee76ccacb5f1) 13

N

[Namespaces](#section_12b8bc40eec8475e8a8b5743d7b33a49) 13

[Normative references](#section_a45bb8bf4cbe415e94a95d0977268de1) 10

O

Operations

[CancelJob](#section_2aa13224b2e546b9831fd4b7a305bc7b) 16

[CreateJob](#section_38530cbf9f20439195d20a39df1b4e10) 18

[DeleteImportLogs](#section_c31efa64c9474682a56752a6c3889e5d) 21

[DeleteJob](#section_b199437665a34acead166b7610033d9a) 23

[GetJobStatus](#section_cf0b51c8100348748f68ae67f2fb737d) 25

[GetRemoteAdminServerUrl](#section_b9441302aa434ba488a70fa7dc5a302b) 30

[GetSiteCollectionNames](#section_4993bb46702949a2853b70481c0bccb5) 32

[GetVirtualServersInformation](#section_9459681de4254bdcb6bb2fb82cb26135) 34

[RunJob](#section_0969812fcb1949ce8f760642a9559484) 37

[Overview (synopsis)](#section_5afe1598a3b44874ab2bcb6f3cefe1a6) 11

P

[Parameters - security index](#section_d21744ef8a944d7b9e95b6716afa57ce) 44

Port types

[ContentDeploymentRemoteImportSoap](#section_ad7e649ffe3040c5b94fc59b1ee714b4) 15

[Preconditions](#section_2170aa24d8ff4fbcb24b0dda54f9506f) 11

[Prerequisites](#section_2170aa24d8ff4fbcb24b0dda54f9506f) 11

[Product behavior](#section_c0d84f32623e4958afabbfda2d01e8d6) 53

Protocol Details

[overview](#section_96ab0ef495ce4cf5b93fbf36f839540b) 15

R

[References](#section_7c0e43b7be5f495bac777ce3b4c83eb0) 10

[informative](#section_7881e8cf6fe9470595afff7aac378a9d) 10

[normative](#section_a45bb8bf4cbe415e94a95d0977268de1) 10

[Relationship to other protocols](#section_e13cd31feb294d9394798db982664f5b) 11

S

Security

[implementer considerations](#section_ff1638f390754823a99f5b8dc614dda5) 44

[parameter index](#section_d21744ef8a944d7b9e95b6716afa57ce) 44

Sequencing rules

[client](#section_a1cffb1bfb6c4ea8b3ac9acbe0d89448) 39

[server](#section_609c5fddbd8c4883bb2460d51ef284f3) 15

Server

[abstract data model](#section_43824ed4374941598b1bf66fb2fbefcc) 15

[CancelJob operation](#section_2aa13224b2e546b9831fd4b7a305bc7b) 16

[ContentDeploymentRemoteImportSoap port type](#section_ad7e649ffe3040c5b94fc59b1ee714b4) 15

[CreateJob operation](#section_38530cbf9f20439195d20a39df1b4e10) 18

[DeleteImportLogs operation](#section_c31efa64c9474682a56752a6c3889e5d) 21

[DeleteJob operation](#section_b199437665a34acead166b7610033d9a) 23

[GetJobStatus operation](#section_cf0b51c8100348748f68ae67f2fb737d) 25

[GetRemoteAdminServerUrl operation](#section_b9441302aa434ba488a70fa7dc5a302b) 30

[GetSiteCollectionNames operation](#section_4993bb46702949a2853b70481c0bccb5) 32

[GetVirtualServersInformation operation](#section_9459681de4254bdcb6bb2fb82cb26135) 34

[initialization](#section_2de2710597f24b479fd7e5ca4ac955f4) 15

[local events](#section_39c2a673f50e499eb57c6a58a05a4086) 39

[message processing](#section_609c5fddbd8c4883bb2460d51ef284f3) 15

[overview](#section_96ab0ef495ce4cf5b93fbf36f839540b) 15

[RunJob operation](#section_0969812fcb1949ce8f760642a9559484) 37

[sequencing rules](#section_609c5fddbd8c4883bb2460d51ef284f3) 15

[timer events](#section_29aad4d441634ee7b21eb638b2adef2e) 39

[timers](#section_9fad3470bf654d288e5bccc8a9a21eb7) 15

[Simple types](#section_980c08e441744f688d869bc60b2d7a0a) 14

[guid](#section_1409204c76824949859cd4c27cf2265b) 14

server

[ContentDeploymentJobStatus](#section_48f8591212f64921a4ea7a5ec2213aee) 29

[MessageaSeverity](#section_30dc6d9fdb374df297ec86eeb3f5b8df) 29

[SPImportUserInfoDateTimeOption](#section_7d08316fb0e1432ea5aeb8e623defe16) 20

[SPIncludeSecurity](#section_259fd4bd0b5c46a99eafe084cf42372f) 20

[Standards assignments](#section_4b5622ebac64443aa117700de9b2f6b6) 12

Syntax

[messages - overview](#section_8e4b9547e68046f38c15d399a16d9e0a) 13

T

Timer events

[client](#section_1dc04acf9e3f46ab928cf48b01dbef0a) 40

[server](#section_29aad4d441634ee7b21eb638b2adef2e) 39

Timers

[client](#section_8b4cf903308648bcb20f1850704e2fa5) 39

[server](#section_9fad3470bf654d288e5bccc8a9a21eb7) 15

[Tracking changes](#section_8887dffb75c74565a841d7203bac900b) 54

[Transport](#section_4eb7fb40d2c542508f2aee76ccacb5f1) 13

Types

[complex](#section_378b3d0b807942779e2df8a882445673) 14

[simple](#section_980c08e441744f688d869bc60b2d7a0a) 14

V

[Vendor-extensible fields](#section_3002aa73692840a9aa693edfc1019f7b) 12

[Versioning](#section_99e15a8b230b433ba54fcbb267f1c230) 11

W

[WSDL](#section_471b2adf3bc1470184c547df7b6d5717) 45