

MS-OFFICIALFILE Test Suite Specification

**Abstract:** This document provides information about how to configure the test suite and how the MS-OFFICIALFILE test suite is designed to test the MS-OFFICIALFILE Open Specification usability and accuracy. It describes test assumptions, scope and constraints. It also specifies test scenarios, detail test cases, test suite architecture and adapter design.

Contents

[1 Configuring the test suite 4](#_Toc383181315)

[1.1 Configuring the test suite client 4](#_Toc383181316)

[1.1.1 Configuring the test suite client manually 4](#_Toc383181317)

[1.1.2 Configuring the test suite client by scripts 5](#_Toc383181318)

[1.2 Configuring the system under test (SUT) 5](#_Toc383181319)

[1.2.1 Configuring the SUT manually 5](#_Toc383181320)

[1.2.2 Configuring the SUT by scripts 5](#_Toc383181321)

[1.3 Configuring the SHOULD/MAY requirements 5](#_Toc383181322)

[2 Test suite design 7](#_Toc383181323)

[2.1 Assumptions, scope and constraints 7](#_Toc383181324)

[Assumptions 7](#_Toc383181325)

[Scope 7](#_Toc383181326)

[In scope 7](#_Toc383181327)

[Out of scope 7](#_Toc383181328)

[Constraints 7](#_Toc383181329)

[2.2 Test suite architecture 7](#_Toc383181330)

[2.3 Technical dependencies and considerations 8](#_Toc383181331)

[Dependencies 8](#_Toc383181332)

[Encryption consideration 9](#_Toc383181333)

[2.4 Adapter design 9](#_Toc383181334)

[2.4.1 Adapter overview 9](#_Toc383181335)

[Protocol adapter 9](#_Toc383181336)

[SUT control adapter 9](#_Toc383181337)

[2.4.2 Technical feasibility of adapter approach 9](#_Toc383181338)

[Message generation 9](#_Toc383181339)

[Message consumption 10](#_Toc383181340)

[SUT control adapter 10](#_Toc383181341)

[2.4.3 Adapter abstract layer 10](#_Toc383181342)

[Protocol adapter 10](#_Toc383181343)

[MS-OFFICIALFILE adapter interface 10](#_Toc383181344)

[SUT control adapter 10](#_Toc383181345)

[SUT control adapter interface 10](#_Toc383181346)

[2.4.4 Adapter details 10](#_Toc383181347)

[*2.4.4.1* Protocol adapter 10](#_Toc383181348)

[2.4.4.1.1 MS-OFFICIALFILE protocol adapter 10](#_Toc383181349)

[**Adapter interface** 11](#_Toc383181350)

[**Adapter implementation** 11](#_Toc383181351)

[2.4.4.2 SUT control adapter 11](#_Toc383181352)

[Adapter interface 11](#_Toc383181353)

[2.5 Test scenarios 12](#_Toc383181354)

[2.5.1 S01\_GetRoutingDestinationUrlAndSubmitFile 12](#_Toc383181355)

[Description 12](#_Toc383181356)

[Operations 12](#_Toc383181357)

[Prerequisites 12](#_Toc383181358)

[Cleanup 12](#_Toc383181359)

[2.5.2 S02\_GetRoutingInfo 12](#_Toc383181360)

[Description 12](#_Toc383181361)

[Operations 12](#_Toc383181362)

[Prerequisites 13](#_Toc383181363)

[Cleanup 13](#_Toc383181364)

[2.5.3 S03\_GetServerInfo 13](#_Toc383181365)

[Description 13](#_Toc383181366)

[Operations 13](#_Toc383181367)

[Prerequisites 13](#_Toc383181368)

[Cleanup 13](#_Toc383181369)

[2.5.4 S04\_GetHoldsInfo 13](#_Toc383181370)

[Description 13](#_Toc383181371)

[Operations 13](#_Toc383181372)

[Prerequisites 13](#_Toc383181373)

[Cleanup 13](#_Toc383181374)

[2.6 Test case design 14](#_Toc383181375)

[2.6.1 Traditional test case design 14](#_Toc383181376)

[Test case selection 14](#_Toc383181377)

[2.6.2 Test case description 15](#_Toc383181378)

# Configuring the test suite

## Configuring the test suite client

### Configuring the test suite client manually

Before you run the test suite, update the values in the MS-OFFICIALFILE\_TestSuite.deployment.ptfconfig file. The MS-OFFICIALFILE\_TestSuite.deployment.ptfconfig file can also be configured by running the client setup script.

1. Open MS-OFFICIALFILE\TestSuite\MS-OFFICIALFILE\_TestSuite.deployment.ptfconfig file.
2. Update the following value to specify the common configuration file.

Property name="CommonConfigurationFileName" value="SharePointCommonConfiguration.deployment.ptfconfig"

**Note**   This property can be removed or set to empty if the required properties are copied to the test suite specific configuration file. Any other changes to this property will cause all test cases in the test suite to fail during execution. The test suite first search through its specific configuration file and use the properties from there if they are defined, before looking for them from the common configuration file (if specified).

1. Update the following properties' values to match SUT settings and configuration.

Property name="SiteCollectionName" value="MSofficialfile\_SiteCollection"

Property name="EnableContentOrganizerRecordsCenterSite" value="[TransportType]://[SUTComputerName]/sites/[SiteCollectionName]/RecordsCenterEnableRouting"

Property name="DisableContentOrganizerRecordsCenterSite" value="[TransportType]://[SUTComputerName]/sites/[SiteCollectionName]/RecordsCenterDisableRouting"

Property name="EnableContentOrganizerDocumentsCenterSite" value="[TransportType]://[SUTComputerName]/sites/[SiteCollectionName]/DocumentsCenterEnableRouting"

Property name="EnableRoutingFeatureRecordsCenterServiceUrl" value="[EnableContentOrganizerRecordsCenterSite]/\_vti\_bin/officialfile.asmx"

Property name="DisableRoutingFeatureRecordsCenterServiceUrl" value="[DisableContentOrganizerRecordsCenterSite]/\_vti\_bin/officialfile.asmx"

Property name="EnableRoutingFeatureDocumentsCenterServiceUrl" value="[EnableContentOrganizerDocumentsCenterSite]/\_vti\_bin/officialfile.asmx"

Property name="DefaultLibraryUrl" value="[DisableContentOrganizerRecordsCenterSite]/[DefaultLibraryName]"

Property name="DocumentLibraryUrlOfAppendUniqueSuffix" value="[EnableContentOrganizerRecordsCenterSite]/[DocumentLibraryName]"

Property name="NoEnforceLibraryUrl" value="[EnableContentOrganizerRecordsCenterSite]/NoEnforceLibrary"

Property name="DocumentSetUrl" value="[EnableContentOrganizerRecordsCenterSite]/DocumentSetLocation/DocumentSet"

Property name="DocumentLibraryUrlOfSharePointVersion" value="[EnableContentOrganizerDocumentsCenterSite]/[DocumentLibraryName]"

Property name="DocumentLibraryName" value="DocumentRuleLocation"

Property name="DefaultLibraryName" value="Drop Off Library"

Property name="HoldName" value="holds1"

Property name="HoldUrl" value="http://sut03/sites/MSOFFICIALFILE\_SiteCollection/RecordsCenterEnableRouting/Lists/Holds/DispForm.aspx?ID=1"

Property name="HoldId" value="1"

Property name="HoldSearchQuery" value="sut03"

Property name="HoldSearchContextUrl" value="http://sut03"

Property name="SupportedContentTypeName" value="Document"

Property name="NotSupportedContentTypeName" value="Picture"

Property name="NoRecordsCenterSubmittersPermissionUserName" value="MSOFFICIALFILE\_Read"

Property name="NoRecordsCenterSubmittersPermissionPassword" value="Password01!"

### Configuring the test suite client by scripts

To configure the test suite client using scripts, see section 5.2.4 of the [SharePointTestSuiteDeploymentGuide.docx.](../SharePointTestSuiteDeploymentGuide.docx)

## Configuring the system under test (SUT)

### Configuring the SUT manually

To manually configure the SUT, see section 5.1.3 of the [SharePointTestSuiteDeploymentGuide.docx](../SharePointTestSuiteDeploymentGuide.docx).

### Configuring the SUT by scripts

To configure the SUT using scripts, see section 5.1.2 of the [SharePointTestSuiteDeploymentGuide.docx.](../SharePointTestSuiteDeploymentGuide.docx)

## Configuring the SHOULD/MAY requirements

All the implementation of the SHOULD/MAY and endnote related requirements are pre-configured in the format "<Property name="RXXXEnabled" value="XXXX"/>" for six Microsoft product versions in six SHOULD/MAY PTFConfig files:

* MS-OFFICIALFILE\_WindowsSharePointServices3\_SHOULDMAY.deployment.ptfconfig
* MS-OFFICIALFILE\_SharePointServer2007\_SHOULDMAY.deployment.ptfconfig
* MS-OFFICIALFILE\_SharePointFoundation2010\_SHOULDMAY.deployment.ptfconfig
* MS-OFFICIALFILE\_SharePointServer2010\_SHOULDMAY.deployment.ptfconfig
* MS-OFFICIALFILE\_SharePointFoundation2013\_SHOULDMAY.deployment.ptfconfig
* MS-OFFICIALFILE\_SharePointServer2013\_SHOULDMAY.deployment.ptfconfig

If RXXXEnabled is set to true, the requirement must be checked. If false, the requirement must not be checked. For Microsoft product versions, all values should not be changed. For third-party products, the closest Microsoft product version should be chosen, and the value of RXXXEnabled should be updated according to the real product behavior. For example, if SharePoint Foundation2010 is chosen,user can open **MS-OFFICIALFILE\_SharePointFoundation2010\_SHOULDMAY.deployment.ptfconfig** and update the RXXXEnabled accordingly.

# Test suite design

## Assumptions, scope and constraints

Assumptions

None

Scope

In scope

* This test suite will verify the accuracy and integrity of the technical content in the Open Specification against the results returned from the protocol server.
* This test suite will verify the Full WSDL which is provided in the Open Specification.
* This test suite will verify the server-side and testable requirements by running all the test cases on both SOAP1.1 and SOAP1.2.

Out of scope

* This test suite will not verify the functionality and the responses of the GetRecordingRouting and GetRecordingRoutingCollection on the Microsoft SharePoint Foundation 2010 and above, due to they are both deprecated.
* This test suite will not verify the requirements related to client behaviors.
* This test suite will not verify the requirements related to server internal behaviors.
* This test suite will not verify the requirements related to implement-specific behaviors.
* This test suite will not verify the internal implementations of its transport protocol stack.

Constraints

None

## Test suite architecture

This test suite verifies the server-side and testable requirements obtained from the Open Specification. The following figure shows the architecture of this test suite.



**The architecture of the test suite**

The details of the MS-OFFICIALFILE test suite architecture.

* SUT hosts the Official File Web Service which this test suite runs against.

SUT is the protocol server implementation from third-party user’s point of view.

This test suite was used to test the MS-OFFICIALFILE protocol implementation against the following SharePoint versions.

* Microsoft Office SharePoint Server 2007 Service Pack 3 (SP3)
* Microsoft SharePoint Server 2010 Service Pack 1 (SP2)
* Microsoft SharePoint Server 2013 (SP1)

Test Suite acts as the client to communicate with the SUT and validates the requirements gathered from MS-OFFICIALFILE Open Specification.

The test cases invoke the MS-OFFICIALFILE adapter to call the MS-OFFICIALFILE operations and validate the response from SUT. Test cases also use the SUT control adapter to set the SUT to the test case specific situation.

MS-OFFICIALFILE adapter is used in the test cases. The test cases call the methods in the adapter interfaces to invoke the MS-OFFICIALFILE operations.

The test cases also use the SUT control adapter to set/modify the SUT environment by calling the methods in the SUT control adapter interface to configure the SUT.

## Technical dependencies and considerations

Dependencies

* This test suite depends on the SOAP messaging protocol for exchanging structured data and type information.
* This test suite depends on HTTP protocol or HTTPS protocol to transmit the messages.
* This test suite depends on the wsdl.exe tool in the .NET Framework SDK to generate the MS-OFFICIALFILE proxy class.
* This test suite depends on the Protocol Test Framework (PTF) to drive managed adapters.

Encryption consideration

Transportation of MS-OFFICIALFILE includes HTTP and HTTPS, and encryption will be handled by HTTPS.

## Adapter design

### Adapter overview

This protocol consists of one protocol adapter and one SUT control adapter.

Protocol adapter

* MS-OFFICIALFILE adapter

The MS-OFFICIALFILE adapter is a managed adapter, which is derived from the ManagedAdapterBase class in the Protocol Test Framework (PTF).

The MS-OFFICIALFILE adapter has the following functionalities

* Choose HTTP or HTTPS and SOAP 1.1 or 1.2 for transport;
* Construct requests of 6 MS-OFFICIALFILE operations;
* Communicate with the SUT by sending requests to the SUT and receive the corresponding responses from the SUT;
* Parse the response messages and validate the messages according to the WSDL schema;
* Generate the result log.

The MS-OFFICIALFILE adapter uses the C# proxy class, which is generated by running the wsdl.exe tool against the full WSDL of this protocol to send SOAP request messages and receive SOAP response messages. The wsdl.exe can be found in Microsoft .NET Framework SDK tools.

SUT control adapter

* The SUT control adapter will be a PowerShell script adapter; it is invoked by the test cases.
* The SUT control adapter has the following functionalities

Remove all the submitted documents.

Un-hold all the submitted documents.

Switch on/off the file metadata parsing feature.

### Technical feasibility of adapter approach

Message generation

The MS-OFFICIALFILE adapter gets the parameter values of the WSDL operations and calls the corresponding operations in MS-OFFICIALFILE proxy class, the MS-OFFICIALFILE proxy class serializes the parameter values to XML elements to format the SOAP request messages, then the SOAP request messages are sent out by the MS-OFFICIALFILE proxy class.

Message consumption

The messages received from the SUT will be parsed in the MS-OFFICIALFILE proxy class and be passed upon to the MS-OFFICIALFILE Adapter. Then these messages are consumed in the MS-OFFICIALFILE adapter to validate the message format and to validate the logic-related requirements in the test cases.

SUT control adapter

The SUT control adapter are designed to remotely control the SUT to clean up the test environment of the SUT and to switch on/off the file metadata parsing feature on the specified site.

### Adapter abstract layer

Protocol adapter

MS-OFFICIALFILE adapter interface

There are seven methods declared in the MS-OFFICIALFILE adapter interface IMS\_OFFICIALFILEAdapter, they are defined for the operations described in the Open Specification. The detailed information is listed as follows:

|  |  |  |
| --- | --- | --- |
| No. | Methods | Description |
| 1 | GetHoldsInfo | Retrieve information about the legal holds in a repository. |
| 2 | GetRecordingRouting | Retrieve information about the routing rule. |
| 3 | GetRecordingRoutingCollection | Retrieve information about the routing rule collection. |
| 4 | GetRoutingDestinationUrl | Determine the storage location for the submission based on the rules in the repository and a suggested save location chosen by a user. |
| 5 | GetServerInfo | Retrieve information about the repository, such as its type, version, and whether the repository is configured for routing. |
| 6 | IntializeService | Initialize the services of OFFICIALFILE |
| 7 | SubmitFile | Submit a file and its associated properties to the repository. |

SUT control adapter

SUT control adapter interface

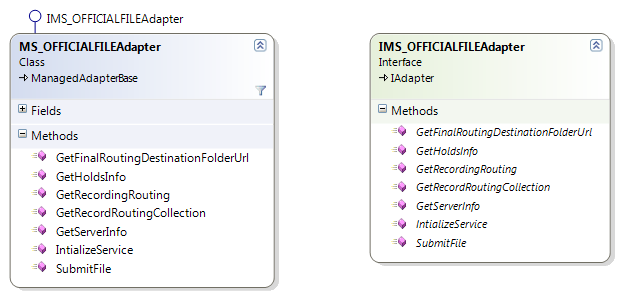
There are three operations defined in the SUT controller adapter interface IMS\_OFFICIALFILESUTControlAdapter. The detailed information is listed as follows:

|  |  |  |
| --- | --- | --- |
| No. | Methods | Description |
| 1 | DeleteAllFiles | Remove all the submitted files in the specified site and list library. |
| 2 | SwitchFileMetaDataParsingFeature | Switch on/off the file metadata parsing feature for the specified site. |
| 3 | UnholdFiles | Un-hold all the items of the specified list library from the specified hold. |

### Adapter details

#### Protocol adapter

##### MS-OFFICIALFILE protocol adapter

The following figure shows the class diagram of the MS-OFFICIALFILE adapter.

**Protocol adapter class diagram**

The following outlines details of the class diagram:

**Adapter interface**

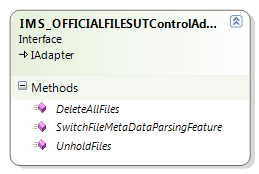
IMS\_OFFICIALFILEAdapter is the interface of the protocol adapter.

This interface states the methods for the corresponding MS-OFFICIALFILE operations and other methods as described in [section 2.4.3 Adapter Abstract Level](#adaptermethod).

**Adapter implementation**

MS\_ OFFICIALFILEAdapter is the protocol adapter class of the test suite. It is used to implement IMS\_ OFFICIALFILEAdapter.

#### SUT control adapter



SUT control adapter class diagram

The following outlines details of the class diagram:

Adapter interface

* IMS\_OFFICIALFILESUTControlAdapter is the interface of controller adapter.
* IMS\_OFFICIALFILESUTControlAdapter defines the methods invoked by test cases, including DeleteAllFiles, UnholdFiles, SwitchFileMetaDataParsingFeature methods.

## Test scenarios

The four scenarios are designed to cover the in-scope, testable requirements in the MS-OFFICIALFILE test suite. The details of the scenarios are as follows.

|  |  |
| --- | --- |
| Scenario | Description |
| S01\_GetRoutingDestinationUrlAndSubmitFile | This scenario is used to test GetRoutingDestinationUrl and SubmitFile operations. |
| S02\_GetRoutingInfo | This scenario is used to test GetRecordRouting and GetRecordRoutingCollection operations. |
| S03\_GetServerInfo | This scenario is used to test GetServerInfo operation. |
| S04\_GetHoldsInfo | This scenario is used to test GetHoldsInfo operation. |

MS-OFFICIALFILE scenarios

### S01\_GetRoutingDestinationUrlAndSubmitFile

Description

The protocol client calls the GetRoutingDestinationUrl and SubmitFile operations to determine the file location and submit the file.

Operations

* GetRoutingDestinationUrl
* SubmitFile

Prerequisites

1. Configure a records center site which is disabled for routing content.
2. Configure a records center site which is enabled for routing content.
3. Configure a documents center site which is enabled for routing content.

Cleanup

1. Un-hold the submitted files from one hold.
2. Delete all the submitted files.

### S02\_GetRoutingInfo

Description

The protocol client calls the GetRecordingRouting and GetRecordingRoutingCollection operations to retrieve the routing rules information.

Operations

* GetRecordingRouting
* GetRecordingRoutingCollection

Prerequisites

Configure a records center site which is enabled for routing content.

Cleanup

None.

### S03\_GetServerInfo

Description

The protocol client calls the GetServerInfo operation to retrieve the information about the repository.

Operations

GetServerInfo

Prerequisites

Configure a records center site which is enabled for routing content.

Cleanup

None.

### S04\_GetHoldsInfo

Description

The protocol client calls the GetHoldsInfo operation to retrieve the information about the hold.

Operations

GetHoldsInfo

Prerequisites

1. Configure a records center site which is enabled for routing content.
2. Configure one hold in the records center site.

Cleanup

None.

## Test case design

### Traditional test case design

Traditional Testing approach is selected as the test approach for this test suite. 25 test cases are designed to cover the server-side and testable requirements.

Test case selection

25 traditional test cases are designed to cover the four scenarios mentioned in section [2.5 Test scenarios](#_Test_Scenarios). Details of the traditional test cases are specified in section [2.6.2 Test case description](#s262). The scenario distributions of the test cases are listed in the following table.

|  |  |
| --- | --- |
| Scenario ID | Test case name |
| S01\_GetRoutingDestinationUrlAndSubmitFile | MSOFFICIALFILE\_S01\_TC01\_GetFinalRoutingDestinationFolderUrl\_NotConfiguredForRouting |
| MSOFFICIALFILE\_S01\_TC02\_SubmitFile\_NotConfiguredForRouting |
| MSOFFICIALFILE\_S01\_TC03\_GetFinalRoutingDestinationFolderUrl\_UserNoPermissions |
| MSOFFICIALFILE\_S01\_TC04\_SubmitFile\_UserNoPermissions |
| MSOFFICIALFILE\_S01\_TC05\_GetFinalRoutingDestinationFolderUrl\_MissingRequiredProperties |
| MSOFFICIALFILE\_S01\_TC06\_GetFinalRoutingDestinationFolderUrl\_EmptyOriginalSaveLocation |
| MSOFFICIALFILE\_S01\_TC07\_GetFinalRoutingDestinationFolderUrl\_ParsingDisabledAtDestination |
| MSOFFICIALFILE\_S01\_TC08\_GetFinalRoutingDestinationFolderUrl\_NoCollision |
| MSOFFICIALFILE\_S01\_TC09\_GetFinalRoutingDestinationFolderUrl\_UseSharePointVersioningService |
| MSOFFICIALFILE\_S01\_TC10\_GetFinalRoutingDestinationFolderUrl\_AppendUniqueSuffixes |
| MSOFFICIALFILE\_S01\_TC11\_GetFinalRoutingDestinationFolderUrl\_Success |
| MSOFFICIALFILE\_S01\_TC12\_GetFinalRoutingDestinationFolderUrl\_OriginalSaveLocationIsDocumentSet |
| MSOFFICIALFILE\_S01\_TC13\_GetFinalRoutingDestinationFolderUrl\_NoEnforcementAtOriginalSaveLocation |
| MSOFFICIALFILE\_S01\_TC14\_GetFinalRoutingDestinationFolderUrl\_EmptyContentTypeName |
| MSOFFICIALFILE\_S01\_TC15\_GetFinalRoutingDestinationFolderUrl\_NullContentTypeName |
| MSOFFICIALFILE\_S01\_TC16\_GetFinalRoutingDestinationFolderUrl\_NoApplicableRule |
| MSOFFICIALFILE\_S01\_TC17\_SubmitFile\_Success\_NoCommonProperties |
| MSOFFICIALFILE\_S01\_TC18\_SubmitFile\_MissingProperties |
| MSOFFICIALFILE\_S01\_TC19\_SubmitFile\_InvalidArgument |
| MSOFFICIALFILE\_S01\_TC20\_SubmitFile\_Success\_CommonProperties |
| MSOFFICIALFILE\_S01\_TC21\_SubmitFile\_NoApplicableRule |
| S02\_GetRoutingInfo | MSOFFICIALFILE\_S02\_TC01\_GetRouting |
| MSOFFICIALFILE\_S02\_TC02\_GetRoutingCollection |
| S03\_GetServerInfo | MSOFFICIALFILE\_S03\_TC01\_GetServerInfo |
| S04\_GetHoldsInfo | MSOFFICIALFILE\_S04\_TC01\_GetHoldsInfo |

Test case scenario distribution

The successful test cases are designed to verify the Soap Out response messages and the core operations of this protocol. For example, the test case MSOFFICIALFILE\_S01\_TC20\_SubmitFile\_Success.

Negative Testing: in order to get the Error Type mentioned in Open specification, we applied this testing technique. For example, the test case MSOFFICIALFILE\_S01\_TC19\_SubmitFile\_InvalidArgument.

### Test case description

There are 25 traditional test cases designed in this test suite.

The steps in the following test cases definitions use methods and parameters in the adapter interfaces directly.

The following tables describe the traditional test case.

|  |  |
| --- | --- |
| **S01\_GetRoutingDestinationUrlAndSubmitFile** | |
| **Test case ID** | MSOFFICIALFILE\_S01\_TC01\_GetFinalRoutingDestinationFolderUrl\_NotConfiguredForRouting |
| **Description** | This test case is used to test GetFinalRoutingDestinationFolderUrl on a repository that is not configured for routing content. |
| **Prerequisites** | 1. Configure the records center site which is disabled for routing content |
| **Test execution steps** | 1. Call protocol adapter method IntializeService to initial parameters to use the repository that is not configured for routing content. 2. Call protocol adapter method GetFinalRoutingDestinationFolderUrl on a repository that is not configured for routing content, expect the server responses DocumentRoutingDisabled. |
| **Cleanup** | N/A |

Table -: MSOFFICIALFILE\_S01\_TC01\_GetFinalRoutingDestinationFolderUrl\_NotConfiguredForRouting

|  |  |
| --- | --- |
| **S01\_GetRoutingDestinationUrlAndSubmitFile** | |
| **Test case ID** | MSOFFICIALFILE\_S01\_TC02\_SubmitFile\_NotConfiguredForRouting |
| **Description** | This test case is used to test SubmitFile on a repository that is not configured for routing content. |
| **Prerequisites** | 1. Configure the records center site which is disabled for routing content |
| **Test execution steps** | 1. Call protocol adapter method IntializeService to initial parameters to use the repository that is not configured for routing content. 2. Call protocol adapter method SubmitFile to submit a file and its associated properties to the repository which is not configured for content routing, expect the server responses InvalidRouterConfiguration. |
| **Cleanup** | N/A |

Table -: MSOFFICIALFILE\_S01\_TC02\_SubmitFile\_NotConfiguredForRouting

|  |  |
| --- | --- |
| **S01\_GetRoutingDestinationUrlAndSubmitFile** | |
| **Test case ID** | MSOFFICIALFILE\_S01\_TC03\_GetFinalRoutingDestinationFolderUrl\_UserNoPermissions |
| **Description** | This test case is used to test GetFinalRoutingDestinationFolderUrl on a repository that is a storage location where the user has not permissions to store content. |
| **Prerequisites** | 1. Prepare a user which has not permissions to store content. |
| **Test execution steps** | 1. Call protocol adapter method IntializeService to initial parameters to use the repository that is a storage location where the user has not permissions to store content. 2. Call protocol adapter method GetFinalRoutingDestinationFolderUrl on a repository that is a storage location where the user has not permissions to store content, expect the server responses PermissionDeniedAtDestination. |
| **Cleanup** | N/A |

Table -: MSOFFICIALFILE\_S01\_TC03\_GetFinalRoutingDestinationFolderUrl\_UserNoPermissions

|  |  |
| --- | --- |
| **S01\_GetRoutingDestinationUrlAndSubmitFile** | |
| **Test case ID** | MSOFFICIALFILE\_S01\_TC04\_SubmitFile\_UserNoPermissions |
| **Description** | This test case is used to test SubmitFile on a repository that is a storage location where the user has not permissions to store content. |
| **Prerequisites** | 1. Prepare an user which has not permissions to store content. |
| **Test execution steps** | 1. Call protocol adapter method IntializeService to initial parameters to use the repository that is a storage location where the user has not permissions to store content. 2. Call protocol adapter method SubmitFile to submit a file and its associated properties to the repository that is a storage location where the user has not permissions to store content, expect the server responses NotFound error code. |
| **Cleanup** | N/A |

Table -: MSOFFICIALFILE\_S01\_TC04\_SubmitFile\_UserNoPermissions

|  |  |
| --- | --- |
| **S01\_GetRoutingDestinationUrlAndSubmitFile** | |
| **Test case ID** | MSOFFICIALFILE\_S01\_TC05\_GetFinalRoutingDestinationFolderUrl\_MissingRequiredProperties |
| **Description** | This test case is used to test the GetFinalRoutingDestinationFolderUrl on a repository that is configured for routing content when the required properties are missed. |
| **Prerequisites** | 1. Configure the records center site which enabled for routing content |
| **Test execution steps** | 1. Call protocol adapter method IntializeService to initial parameters to use a repository that is configured for routing content. 2. Call protocol adapter method GetFinalRoutingDestinationFolderUrl on a repository that is configured for routing content when the required properties are missed, expect the server responses SuccessToDropOffLibrary. |
| **Cleanup** | N/A |

Table -: MSOFFICIALFILE\_S01\_TC05\_GetFinalRoutingDestinationFolderUrl\_MissingRequiredProperties

|  |  |
| --- | --- |
| **S01\_GetRoutingDestinationUrlAndSubmitFile** | |
| **Test case ID** | MSOFFICIALFILE\_S01\_TC06\_GetFinalRoutingDestinationFolderUrl\_EmptyOriginalSaveLocation |
| **Description** | This test case is used to test the GetFinalRoutingDestinationFolderUrl on a repository that is configured for routing content when the OriginalSaveLocation parameter is empty string. |
| **Prerequisites** | 1. Configure the records center site which is enabled for routing content |
| **Test execution steps** | 1. Call protocol adapter method IntializeService to initial parameters to use a repository that is configured for routing content. 2. Call protocol adapter method GetFinalRoutingDestinationFolderUrl on a repository that is configured for routing content when the OriginalSaveLocation parameter is empty string, expect the server responses UnknownFailure. |
| **Cleanup** | N/A |

Table -: MSOFFICIALFILE\_S01\_TC06\_GetFinalRoutingDestinationFolderUrl\_EmptyOriginalSaveLocation

|  |  |
| --- | --- |
| **S01\_GetRoutingDestinationUrlAndSubmitFile** | |
| **Test case ID** | MSOFFICIALFILE\_S01\_TC07\_GetFinalRoutingDestinationFolderUrl\_ParsingDisabledAtDestination |
| **Description** | This test case is used to test GetFinalRoutingDestinationFolderUrl on a repository that is configured for routing content and parsing file metadata is disabled. |
| **Prerequisites** | 1. Configure the records center site which is enabled for routing content |
| **Test execution steps** | 1. Call protocol adapter method IntializeService to initial server parameters to use a repository that is configured for routing content and parsing file metadata is disabled. 2. Call protocol adapter method GetFinalRoutingDestinationFolderUrl on a repository that is configured for routing content and parsing file metadata is disabled, expect the server responses ParsingDisabledAtDestination. |
| **Cleanup** | N/A |

Table -: MSOFFICIALFILE\_S01\_TC07\_GetFinalRoutingDestinationFolderUrl\_ParsingDisabledAtDestination

|  |  |
| --- | --- |
| **S01\_GetRoutingDestinationUrlAndSubmitFile** | |
| **Test case ID** | MSOFFICIALFILE\_S01\_TC08\_GetFinalRoutingDestinationFolderUrl\_NoCollision |
| **Description** | This test case is used to test GetFinalRoutingDestinationFolderUrl on a repository that is configured for routing content and a file with the same name does not already exist at the location determined by the rule. |
| **Prerequisites** | 1. Configure the records center site which is enabled for routing content |
| **Test execution steps** | 1. Call protocol adapter method IntializeService to initial parameters to use a repository that is configured for routing content 2. Call protocol adapter method GetFinalRoutingDestinationFolderUrl on a repository that is configured for routing content and a file with the same name does not already exist at the location determined by the rule, expect the server responses DocumentRoutingCollisionSetting as NoCollision. |
| **Cleanup** | N/A |

Table -: MSOFFICIALFILE\_S01\_TC08\_GetFinalRoutingDestinationFolderUrl\_NoCollision

|  |  |
| --- | --- |
| **S01\_GetRoutingDestinationUrlAndSubmitFile** | |
| **Test case ID** | MSOFFICIALFILE\_S01\_TC09\_GetFinalRoutingDestinationFolderUrl\_UseSharePointVersioningService |
| **Description** | This test case is used to test GetFinalRoutingDestinationFolderUrl on a repository that is configured for routing content and using "SharePointVersioning" when there is a file with the same name at the location determined by the rule. |
| **Prerequisites** | 1. Configure the documents center site which is enabled for routing content 2. Configure the destination location to use "SharePointVersioning" when dealing with file name conflict. |
| **Test execution steps** | 1. Call protocol adapter method IntializeService to initial parameters to use a repository that is configured for routing content. 2. Call protocol adapter method SubmitFile to submit a file and its associated properties to the repository. 3. Call protocol adapter method GetFinalRoutingDestinationFolderUrl on a location that is configured for routing content and using "SharePointVersioning" when there is the same file name as the previous step submitted, expect the server responses DocumentRoutingCollisionSetting as UseSharePointVersioning. |
| **Cleanup** | N/A |

Table -: MSOFFICIALFILE\_S01\_TC09\_GetFinalRoutingDestinationFolderUrl\_UseSharePointVersioningService

|  |  |
| --- | --- |
| **S01\_GetRoutingDestinationUrlAndSubmitFile** | |
| **Test case ID** | MSOFFICIALFILE\_S01\_TC10\_GetFinalRoutingDestinationFolderUrl\_AppendUniqueSuffixes |
| **Description** | This test case is used to test GetFinalRoutingDestinationFolderUrl on a repository that is configured for routing content and using "AppendUniqueSuffixes" when there is a file with the same name at the location determined by the rule. |
| **Prerequisites** | 1. Configure the records center site which is enabled for routing content 2. Configure the destination location to use "AppendUniqueSuffixes" when dealing with file name conflict. |
| **Test execution steps** | 1. Call protocol adapter method IntializeService to initial parameters to use a repository that is configured for routing content. 2. Call protocol adapter method SubmitFile to submit a file and its associated properties to the repository. 3. Call protocol adapter method GetFinalRoutingDestinationFolderUrl on a location that is configured for routing content and using "AppendUniqueSuffixes" when there is the same file name as the previous step submitted, expect the server responses DocumentRoutingCollisionSetting as AppendUniqueSuffixes. |
| **Cleanup** | N/A |

Table -: MSOFFICIALFILE\_S01\_TC10\_GetFinalRoutingDestinationFolderUrl\_AppendUniqueSuffixes

|  |  |
| --- | --- |
| **S01\_GetRoutingDestinationUrlAndSubmitFile** | |
| **Test case ID** | MSOFFICIALFILE\_S01\_TC11\_GetFinalRoutingDestinationFolderUrl\_Success |
| **Description** | This test case is used to test GetFinalRoutingDestinationFolderUrl on a repository that is configured for routing content and parsing file metadata is enabled. |
| **Prerequisites** | 1. Configure the documents center site which enables the routing content 2. Configure the documents center site which enables the file metatdat parsing |
| **Test execution steps** | 1. Call protocol adapter method IntializeService to initial parameters to use a repository that is configured for routing content. 2. Call protocol adapter method GetFinalRoutingDestinationFolderUrl on a repository that is configured for routing content and parsing file metadata is enabled. |
| **Cleanup** | N/A |

Table -: MSOFFICIALFILE\_S01\_TC11\_GetFinalRoutingDestinationFolderUrl\_Success

|  |  |
| --- | --- |
| **S01\_GetRoutingDestinationUrlAndSubmitFile** | |
| **Test case ID** | MSOFFICIALFILE\_S01\_TC12\_GetFinalRoutingDestinationFolderUrl\_OriginalSaveLocationIsDocumentSet |
| **Description** | This test case is used to test GetFinalRoutingDestinationFolderUrl on a repository that is configured for routing content and the URL of OriginalSaveLocation is a document set. |
| **Prerequisites** | N/A |
| **Test execution steps** | 1. Call protocol adapter method IntializeService to initial server parameters to use a repository that is configured for routing content. 2. Call protocol adapter method GetFinalRoutingDestinationFolderUrl to call GetFinalRoutingDestinationFolderUrl on a repository that is configured for routing content and the URL of OriginalSaveLocation is a document set, expect the server responses OriginalSaveLocationIsDocumentSet. |
| **Cleanup** | N/A |

Table -: MSOFFICIALFILE\_S01\_TC12\_GetFinalRoutingDestinationFolderUrl\_OriginalSaveLocationIsDocumentSet

|  |  |
| --- | --- |
| **S01\_GetRoutingDestinationUrlAndSubmitFile** | |
| **Test case ID** | MSOFFICIALFILE\_S01\_TC13\_GetFinalRoutingDestinationFolderUrl\_NoEnforcementAtOriginalSaveLocation |
| **Description** | This test case is used to test GetFinalRoutingDestinationFolderUrl on a repository that is configured for routing content and the OriginalSaveLocation is the location which no routing rule is mapped. |
| **Prerequisites** | 1. Configure the records center site which is enabled for routing content 2. Configure the destination location on which there is no routing rule mapped. |
| **Test execution steps** | 1. Call protocol adapter method IntializeService to initial parameters to use a repository that is configured for routing content. 2. Call protocol adapter method GetFinalRoutingDestinationFolderUrl on a repository that is configured for routing content and the OriginalSaveLocation is the location which no routing rule is mapped, expect the server responses NoEnforcementAtOriginalSaveLocation. |
| **Cleanup** | N/A |

Table -: MSOFFICIALFILE\_S01\_TC13\_GetFinalRoutingDestinationFolderUrl\_NoEnforcementAtOriginalSaveLocation

|  |  |
| --- | --- |
| **S01\_GetRoutingDestinationUrlAndSubmitFile** | |
| **Test case ID** | MSOFFICIALFILE\_S01\_TC14\_GetFinalRoutingDestinationFolderUrl\_EmptyContentTypeName |
| **Description** | This test case is used to test GetFinalRoutingDestinationFolderUrl on a repository that is configured for routing content and the content type name parameter is empty string. |
| **Prerequisites** | 1. Configure the records center site which is enabled for routing content |
| **Test execution steps** | 1. Call protocol adapter method IntializeService to initial parameters to use a repository that is configured for routing content. 2. Call protocol adapter method GetFinalRoutingDestinationFolderUrl on a repository that is configured for routing content and the content type name parameter is empty string, expect the server responses MissingRequiredProperties. |
| **Cleanup** | N/A |

Table -: MSOFFICIALFILE\_S01\_TC14\_GetFinalRoutingDestinationFolderUrl\_EmptyContentTypeName

|  |  |
| --- | --- |
| **S01\_GetRoutingDestinationUrlAndSubmitFile** | |
| **Test case ID** | MSOFFICIALFILE\_S01\_TC15\_GetFinalRoutingDestinationFolderUrl\_NullContentTypeName |
| **Description** | This test case is used to test GetFinalRoutingDestinationFolderUrl on a repository that is configured for routing content and the content type name parameter is NULL string. |
| **Prerequisites** | 1. Configure the records center site which is enabled for routing content |
| **Test execution steps** | 1. Call protocol adapter method IntializeService to initial parameters to use a repository that is configured for routing content. 2. Call protocol adapter method GetFinalRoutingDestinationFolderUrl on a repository that is configured for routing content and the content type name parameter is NULL string, expect the server responses MissingRequiredProperties. |
| **Cleanup** | N/A |

Table -: MSOFFICIALFILE\_S01\_TC15\_GetFinalRoutingDestinationFolderUrl\_NullContentTypeName

|  |  |
| --- | --- |
| **S01\_GetRoutingDestinationUrlAndSubmitFile** | |
| **Test case ID** | MSOFFICIALFILE\_S01\_TC16\_GetFinalRoutingDestinationFolderUrl\_NoApplicableRule |
| **Description** | This test case is used to test GetFinalRoutingDestinationFolderUrl on a repository that is configured for routing content and no configured routing rule for the specified content type name parameter. |
| **Prerequisites** | 1. Configure the records center site which is enabled for routing content |
| **Test execution steps** | 1. Call protocol adapter method IntializeService to initial parameters to use a repository that is configured for routing content. 2. Call protocol adapter method GetFinalRoutingDestinationFolderUrl on a repository that is configured for routing content and no configured routing rule for the specified content type name parameter "Unknown". |
| **Cleanup** | N/A |

Table -: MSOFFICIALFILE\_S01\_TC16\_GetFinalRoutingDestinationFolderUrl\_NoApplicableRule

|  |  |
| --- | --- |
| **S01\_GetRoutingDestinationUrlAndSubmitFile** | |
| **Test case ID** | MSOFFICIALFILE\_S01\_TC17\_SubmitFile\_Success\_NoCommonProperties |
| **Description** | This test case is used to test SubmitFile on a repository that is a storage location configured for routing content and none of the common properties \_dlc\_hold\_url, \_dlc\_hold\_comments, \_dlc\_hold\_id, \_dlc\_hold\_searchqquery and \_dlc\_hold\_searchcontexturl are present. |
| **Prerequisites** | Configure the records center site which is enabled for routing content |
| **Test execution steps** | 1. Call protocol adapter method IntializeService to initial parameters to use a repository that is configured for routing content. 2. Call protocol adapter method SubmitFile on a repository that is configured for routing content and none of the common properties \_dlc\_hold\_url, \_dlc\_hold\_comments, \_dlc\_hold\_id, \_dlc\_hold\_searchqquery and \_dlc\_hold\_searchcontexturl are present and valid. |
| **Cleanup** | Call SUT control adapter method DeleteAllFiles to delete the submitted files. |

Table -: MSOFFICIALFILE\_S01\_TC17\_SubmitFile\_NoneCommonProperties

|  |  |
| --- | --- |
| **S01\_GetRoutingDestinationUrlAndSubmitFile** | |
| **Test case ID** | MSOFFICIALFILE\_S01\_TC18\_SubmitFile\_MissingProperties |
| **Description** | This test case is used to test SubmitFile on a repository that is a storage location configured for routing content when the required properties are missed. |
| **Prerequisites** | Configure the records center site which is enabled for routing content |
| **Test execution steps** | 1. Call protocol adapter method IntializeService to initial parameters to use a repository that is configured for routing content. 2. Call protocol adapter method SubmitFile to call SubmitFile on a repository that is a storage location configured for routing content when the required properties are missed, expect the server responses MoreInformation. 3. Call protocol adapter method SubmitFile to submit the file when file properties will contain all the common properties and partial required properties, expect the server responses MoreInformation. |
| **Cleanup** | 1. Call SUT control adapter method UnholdFiles to un-hold all the submitted file in the hold. 2. Call SUT control adapter method DeleteAllFiles to delete all the submitted files. |

Table -: MSOFFICIALFILE\_S01\_TC18\_SubmitFile\_MissingProperties

|  |  |
| --- | --- |
| **S01\_GetRoutingDestinationUrlAndSubmitFile** | |
| **Test case ID** | MSOFFICIALFILE\_S01\_TC19\_SubmitFile\_InvalidArgument |
| **Description** | This test case is used to test SubmitFile on a repository that is a storage location configured for routing content when the required properties are not specified. |
| **Prerequisites** | Configure the records center site which is enabled for routing content |
| **Test execution steps** | 1. Call protocol adapter method IntializeService to initial parameters to use a repository that is configured for routing content. 2. Call protocol adapter method SubmitFile on a repository that is a storage location configured for routing content when the required properties are not specified, expect the server responses InvalidArgument. |
| **Cleanup** | N/A |

Table -: MSOFFICIALFILE\_S01\_TC19\_SubmitFile\_InvalidArgument

|  |  |
| --- | --- |
| **S01\_GetRoutingDestinationUrlAndSubmitFile** | |
| **Test case ID** | MSOFFICIALFILE\_S01\_TC20\_SubmitFile\_Success\_CommonProperties |
| **Description** | This test case is used to test SubmitFile on a repository that is a storage location configured for routing content and all the parameters are valid. |
| **Prerequisites** | Configure the records center site which is enabled for routing content |
| **Test execution steps** | 1. Call protocol adapter method IntializeService to initial parameters to use a repository that is configured for routing content. 2. Call protocol adapter method SubmitFile to call SubmitFile on a repository that is a storage location configured for routing content and with all required and common properties, expect the server responds Success and non-empty result URL. 3. Call protocol adapter method SubmitFile to call SubmitFile on a repository that is a storage location configured for routing content and not all the common properties which will miss \_dlc\_hold\_url property. |
| **Cleanup** | 1. Call SUT control adapter method UnholdFiles to un-hold the files in the hold. 2. Call SUT control adapter method DeleteAllFiles to delete the submitted files. |

Table -: MSOFFICIALFILE\_S01\_TC20\_SubmitFile\_Success\_CommonProperties

|  |  |
| --- | --- |
| **S01\_GetRoutingDestinationUrlAndSubmitFile** | |
| **Test case ID** | MSOFFICIALFILE\_S01\_TC21\_SubmitFile\_NoApplicableRule |
| **Description** | This test case is used to test SubmitFile on a repository that is configured for routing content and no configured routing rule for the specified content type name parameter. |
| **Prerequisites** | Configure the records center site which is enabled for routing content |
| **Test execution steps** | 1. Call protocol adapter method IntializeService to initial parameters to use a repository that is configured for routing content. 2. Call protocol adapter method SubmitFile to call SubmitFile on a repository that is configured for routing content and no configured routing rule for the specified content type name parameter, expect the server responses MoreInformation. 3. Call protocol adapter method SubmitFile to with all of the common properties \_dlc\_hold\_url, \_dlc\_hold\_comments, \_dlc\_hold\_id, \_dlc\_hold\_searchqquery and \_dlc\_hold\_searchcontexturl, expect the server responses MoreInformation. |
| **Cleanup** | 1. Call SUT control adapter method UnholdFiles to un-hold all the submitted file in the hold. 2. Call SUT control adapter method DeleteAllFiles to delete all the submitted files. |

Table -: MSOFFICIALFILE\_S01\_TC21\_SubmitFile\_NoApplicableRule

|  |  |
| --- | --- |
| **S02\_GetRoutingInfo** | |
| **Test case ID** | MSOFFICIALFILE\_S02\_TC01\_GetRouting |
| **Description** | This test case is used to test GetRouting on a repository that is configured for routing content. |
| **Prerequisites** | 1. Configure the records center site which is enabled for routing content |
| **Test execution steps** | 1. Call protocol adapter method IntializeService to initial parameters to use a repository that is configured for routing content. 2. Call protocol adapter method GetRecordingRouting to get the specified routing rule. |
| **Cleanup** | N/A |

Table -: MSOFFICIALFILE\_S02\_TC01\_GetRouting

|  |  |
| --- | --- |
| **S02\_GetRoutingInfo** | |
| **Test case ID** | MSOFFICIALFILE\_S02\_TC02\_GetRoutingCollection |
| **Description** | This test case is used to test GetRoutingCollection on a repository that is configured for routing content. |
| **Prerequisites** | 1. Configure the records center site which is enabled for routing content |
| **Test execution steps** | 1. Call protocol adapter method IntializeService to initial parameters to use a repository that is configured for routing content. 2. Call protocol adapter method GetRecordRoutingCollection to get all the configured routing rules. |
| **Cleanup** | N/A |

Table -: MSOFFICIALFILE\_S02\_TC02\_GetRoutingCollection

|  |  |
| --- | --- |
| **S03\_GetServerInfo** | |
| **Test case ID** | MSOFFICIALFILE\_S03\_TC01\_GetServerInfo |
| **Description** | This test case is used to test GetServerInfo on a repository that is configured for routing content. |
| **Prerequisites** | N/A |
| **Test execution steps** | 1. Call protocol adapter method IntializeService to initial parameters 2. Call protocol adapter method GetServerInfo to Retrieves data about the type, version of the repository. |
| **Cleanup** | N/A |

Table -: MSOFFICIALFILE\_S03\_TC01\_GetServerInfo

|  |  |
| --- | --- |
| **S04\_GetHoldsInfo** | |
| **Test case ID** | MSOFFICIALFILE\_S04\_TC01\_GetHoldsInfo |
| **Description** | This test case is used to test GetServerInfo on a repository that is configured for routing content with one added hold. |
| **Prerequisites** | N/A |
| **Test execution steps** | 1. Call protocol adapter method IntializeService to initial parameters to use the repository that is not configured for routing content. 2. Call protocol adapter method GetHoldsInfo to call GetHoldsInfo to get all the holds. |
| **Cleanup** | N/A |

Table -: MSOFFICIALFILE\_S04\_TC01\_GetHoldsInfo