Serena Dimensions RM 12.1.1
Web Service Reference

Copyright © 2014 Serena Software, Inc. All rights reserved.

Table of Contents

rtmService 3
rtmService Web Service 4
Methods: rtmService 5
Complex Types: rtmService 124
Simple Types: rtmService 239
rtmAdminService Web Service 245
Methods: rtmAdminService 246
Complex Types: rtmAdminService 269

rtmService

Sources

Name	Description
rtmService	gSOAP 2.7.12 generated service definition
rtmAdminService	gSOAP 2.7.12 generated service definition

rtmService Web Service

Description

gSOAP 2.7.12 generated service definition

See Also

- Methods
- Complex Types
- Simple Types

Methods: rtmService

Methods

Name	Description
AddObjectToCollection	Add an object to a collection
AddSyncXrefLink	Adds a link to Sync_Xref table
AppendRMDocumentEx	Service definition of function ns__AppendRMDocumentEx
AppendRtmDocument	Append an rtm document to an existing document.
ApproveChangeRequest	Service definition of function ns__ApproveChangeRequest
AsyncAppendRtmDoc	Append an rtm document to an existing document.
AsyncCreateRtmDoc	Create a new project rtm document.
AsyncQueryRtmDoc	Creates an XML representing RM Document structure.
AsyncReplaceRtmDoc	Replace an existing project rtm document.
ChangeRequest	Create Change Request RM requirement with specified requirement data
CreateBaseline	Create a baseline with given requirements and associate it to a CM baseline
CreateCategory	Creates a RM category, given a category name, description and parent category id.
CreateCollection	Creates an empty collections.
CreateObject	Creates a RM requirement, given a class id and requirement data
CreateObjectEx	Creates a RM requirement, given a class id and requirement data
CreateObjectWithAttachment	Creates a RM requirement with attachment, given a class id and requirement data
CreateRMDocumentEx	Service definition of function ns__CreateRMDocumentEx
CreateRtmDocSnapshot	Creates document snapshot by document id. See ns__RtmDocSnapshot.
CreateRtmDocument	Create a new project rtm document.
CreateTemplate	Create a new project document template.
DeleteBaseline	Delete a baseline
DeleteObjects	Marks requirements as deleted
DeleteRtmDocument	Delete the rtm document specified by template id
DeleteSyncXrefLink	Deletes a link from Sync_Xref table
DeleteTemplate	Delete the project template specified by template id
DocumentAddChapter	Service definition of function ns__DocumentAddChapter
DocumentMoveObject	Service definition of function ns__DocumentMoveObject
DocumentRemoveObject	Marks objects as removed from the Document.
FindAndReplaceObject	Search requirement(s) based on attribute list and replaces those with specified requirement data
FindLinkedObjects	returns links with linked requirements (current state or specified state) for a specified requirement
FindModifiedObjects	Find objects that have been modified since the given time\date
FindObjects	Find objects that match the given search criteria.
FindObjectsInClasses	Find objects in classes that match the given search criteria.
FindObjectsInCollections	Find objects in the given collections.
FindRtmDocument	Get a document specified by id

Name	Description
FindTemplate	Get a document template specified by id
getAsyncAppendRtmDocStatus	Get status from the async. test commmand
getAsyncCreateRtmDocStatus	Get status from the async. test commmand
getAsyncQueryRtmDocStatus	Service definition of function ns__getAsyncQueryRtmDocStatus
getAsyncReplaceRtmDocStatus	Get status from the async. test commmand
getAsyncStatus	Get status from an asyncronous commmand
GetAttributeDefInfo	Service definition of function ns__GetAttributeDefInfo
GetCategoryByDisplayName	Service definition of function ns__GetCategoryByDisplayName
GetCategoryById	Service definition of function ns__GetCategoryById
GetClassDefInfo	Service definition of function ns__GetClassDefInfo
GetCollectionById	Get a collection specified by collection
GetCollectionByName	Get a collection specified by name
GetCollectionInfo	Service definition of function ns__GetCollectionInfo
GetObjectsInCollection	Get objects in the given collection.
GetObjectsInCollections	Get objects in the given collections.
GetObjectsInRMDocument	Service definition of function ns__GetObjectsInRMDocument
GetProjectInfo	Service definition of function ns__GetProjectInfo
GetRMDocSnapshotDiffUrl	Service definition of function ns__GetRMDocSnapshotDiffUrl
GetRMDocSnapshots	Returns list of snapshots for specified document.
GetRtmDocSnapshotById	Retrieve document snapshot information by id. See ns__RtmDocSnapshot.
GetRtmDocSnapshotByName	Retrieve document snapshot information by name. See ns__RtmDocSnapshot.
GetSharedFile	Download a shared file for local use
GetTemplateFile	Get the template file of the template specified by template id
getTestAsyncStatus	Get status from the async. test commmand
IsSSOLoginEnabled	Service definition of function ns__IsSSOLoginEnabled
LinkObjects	Link multiple children to a parent object
LinkObjectsEx	Link multiple children to a parent object
LinkObjectsExById	Link multiple children to a parent object
ListAllAllowedCategories	Get a list of all allowed categories for the project.
ListCategories	Get a list of child categories for the given parent category.
ListCollections	Get a list of collection names in the project.
ListCollectionsEx	Get a list of collections in the project.
ListCollectionsEx2	Get a list of collections in the project.
ListObjectLinks	List secondary links for a specified requirement
ListRootCategories	Get a list of top-level categories in the project.
ListRtmDocuments	Get a list of rtm documents in the project.
ListTemplates	Get a list of document templates in the project.
Login	Login into RTM - use returned sessionId for subsequent calls.
LoginByProjectId	Login into RTM - use returned sessionId for subsequent calls.
LoginEx	Login into RTM and return if it was admin login along with sessionId.
Logout	Logout of RTM.

Name	Description
ModifyObjectsByScript	Update/replace/approve/delete/undelete requirements by script name/text
PutSharedFile	Upload a shared file for access by others
QueryAttributes	Return the list of defined attributes in a classe.
QueryAttributesEx	Return the list of defined attributes in a classe.
QueryClasses	Return the list of defined classes in project.
QueryClassesEx	Return the list of defined classes in project.
QueryDatabases	Return the list of oracle databases.
QueryLinkClasses	Return the list of linked classes information in project.
QueryProjects	Return the list of defined projects in database.
QueryProjectsEx	Return the list of defined projects in database.
QueryRtmDocumentStructure	Creates an XML representing RM Document structure.
QuerySystemInfo	Return the system information.
ReadObject	Read object information with all the attribute values
ReadObjectAttachment	Read attachment of a requirement
ReadObjectEx	Read object information with all the attribute values
ReadObjects	Read object information with all the attribute values
ReadSyncXrefLink	Reads a link from Sync_Xref table
RejectChangeRequest	Service definition of function ns__RejectChangeRequest
RemoveObject	RemoveObject Removes a requirement from the database
RemoveObjectFromCollection	Service definition of function ns__RemoveObjectFromCollection
ReplaceObject	Replaces a RM requirement with specified requirement data
ReplaceObjectEx	Replaces a RM requirement with specified requirement data
ReplaceObjectWithAttachment	Replace a RM requirement with attachment, given a class id and requirement data
RTMDocumentAddChapter	The New Chapter Shall be added after the Existing Chapter at the same level.
RTMDocumentAddRequirement	The Requirement Shall be added in the Existing Chapter.
RTMDocumentExchangeRequirement	Exchange requirements inplace.
RTMDocumentRemoveRequirement	Marks requirements as removed from the Document.
runTestAsync	Run the async. test commmand
SendCMNotifications	Send notifications to CM
UnlinkObjects	Unlink multiple children from a parent object
UnlinkObjectsEx	Unlink multiple children from a parent object
UnlinkObjectsExById	Unlink multiple children from a parent object
UpdateObject	Updates a RM requirement with specified requirement data
UpdateObjectAttachment	Updates a RM requirement attachment
UpdateObjectEx	Updates a RM requirement with specified requirement data
UpdateTemplate	Update the template name, filename, and description fields and the template file.
UpdateTemplateFile	Replace the template file of the template specified by template id

Method: AddObjectToCollection

Description

Add an object to a collection

Style

Document

Input (Literal)

The input of this method is the argument AddObjectToCollection having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
objectIdentifier	RequirementIdentifier	1..1	
collectionName	string	1..1	

Output (Literal)

The output of this method is the argument addObjectToCollectionResponseResult having the structure defined by the following table.

Name	Type	Occurs	Description
result	addObjectToCollectionResponse	1..1	

Method: AddSyncXrefLink

Description

Adds a link to Sync_Xref table

Style

Document

Input (Literal)

The input of this method is the argument AddSyncXrefLink having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
aXref	SyncXrefLink	1..1	

Output (Literal)

The output of this method is the argument AddSyncXrefLinkResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	boolean	1..1	

Method: AppendRMDocumentEx

Description

Service definition of function ns__AppendRMDocumentEx

Style

Document

Input (Literal)

The input of this method is the argument AppendRMDocumentEx having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
id	int	1..1	
rtmDoc	RtmDocument	1..1	

Output (Literal)

The output of this method is the argument AppendRMDocumentExResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	AppendRMDocumentExResult	1..1	

Remarks

If you specify new sub-requirements along with a pre-existing parent requirement, the sub-requirements will be attached to the pre-existing requirement. Even if you specify a different location in the document for the parent requirement, its current location will be used instead of creating a copy of the requirement in the location you specified.

Method: AppendRtmDocument

Description

Append an rtm document to an existing document.

Style

Document

Input (Literal)

The input of this method is the argument AppendRtmDocument having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
id	int	1..1	
rtmDoc	RtmDocument	1..1	

Output (Literal)

The output of this method is the argument AppendRtmDocumentResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	AppendRtmDocumentResult	1..1	

Method: ApproveChangeRequest

Description

Service definition of function ns__ApproveChangeRequest

Style

Document

Input (Literal)

The input of this method is the argument ApproveChangeRequest having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
className	string	1..1	
requestId	long	1..1	

Output (Literal)

The output of this method is the argument ApproveChangeRequestResult having the structure defined by the following table.

Name	Type	Occurs	Description
nId	long	1..1	
status	CommandStatus	1..1	

Method: AsyncAppendRtmDoc

Description

Append an rtm document to an existing document.

Style

Document

Input (Literal)

The input of this method is the argument AsyncAppendRtmDoc having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
id	int	1..1	
sContent	string	1..1	

Output (Literal)

The output of this method is the argument AsyncAppendRtmDocResult having the structure defined by the following table.

Name	Type	Occurs	Description
result	AsyncAppendRtmDocResponse	1..1	

Method: AsyncCreateRtmDoc

Description

Create a new project rtm document.

Style

Document

Input (Literal)

The input of this method is the argument AsyncCreateRtmDoc having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
rtmDoc	RtmDocument	1..1	

Output (Literal)

The output of this method is the argument AsyncCreateRtmDocResult having the structure defined by the following table.

Name	Type	Occurs	Description
result	AsyncCreateRtmDocResponse	1..1	

Method: AsyncQueryRtmDoc

Description

Creates an XML representing RM Document structure.

Style

Document

Input (Literal)

The input of this method is the argument AsyncQueryRtmDoc having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
nDocId	int	1..1	
nChapterId	int	0..1	
bIncludeReq	boolean	0..1	

Output (Literal)

The output of this method is the argument getAsyncQueryRtmDocResult having the structure defined by the following table.

Name	Type	Occurs	Description
result	getAsyncQueryRtmDocResponse	1..1	

Method: AsyncReplaceRtmDoc

Description

Replace an existing project rtm document.

Style

Document

Input (Literal)

The input of this method is the argument AsyncReplaceRtmDoc having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
id	int	1..1	
sContent	string	1..1	

Output (Literal)

The output of this method is the argument AsyncReplaceRtmDocResult having the structure defined by the following table.

Name	Type	Occurs	Description
result	AsyncReplaceRtmDocResponse	1..1	

Method: ChangeRequest

Description

Create Change Request RM requirement with specified requirement data

Style

Document

Input (Literal)

The input of this method is the argument ChangeRequest having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
anObject	Requirement	1..1	
anECPsInfo	ECPsObjectInfo	0..1	
inChangeReason	string	1..1	

Output (Literal)

The output of this method is the argument ChangeRequestResult having the structure defined by the following table.

Name	Type	Occurs	Description
result	RequirementOut	1..1	

Method: CreateBaseline

Description

Create a baseline with given requirements and associate it to a CM baseline

Style

Document

Input (Literal)

The input of this method is the argument CreateBaseline having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sName	string	1..1	
sCategoryFullName	string	0..1	
nCmSourceBaselineUid	int	1..1	
requirements	RequirementIdentifierList	1..1	

Output (Literal)

The output of this method is the argument CreateBaselineResult having the structure defined by the following table.

Name	Type	Occurs	Description
nId	int	1..1	
nStatus	int	1..1	
sUrl	string	1..1	

Additional info:

Category name can be specified on baseline creation.

Example of usage:

```
  <sessionId>1</sessionId>
        <sName>test baseline</sName>
<sCategoryFullName>RMDEMO/Functional</sCategoryFullName>
        <requirements>
           <item>
<sPUID>MRKT_000003</sPUID>
<sClassName>Marketing_Requirements</sClassName></item>
<item>
<sPUID>MRKT_000004</sPUID>
<sClassName>Marketing_Requirements</sClassName>
</item>
<item>
<sPUID>MRKT_000021</sPUID>
<sClassName>Marketing_Requirements</sClassName>      </item>
  </requirements>
     </urn:CreateBaseline>
```

Method: CreateCategory

Description

Creates a RM category, given a category name, description and parent category id.

Style

Document

Input (Literal)

The input of this method is the argument CreateCategory having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
CategoryReq	CategoryReq	1..1	

Output (Literal)

The output of this method is the argument createCategoryResponse having the structure defined by the following table.

Name	Type	Occurs	Description
item	Category	1..1	

Method: CreateCollection

Description

Creates an empty collections.

Style

Document

Input (Literal)

The input of this method is the argument CreateCollection having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
collectionName	CreateCollectionEx	1..1	
sCategoryFullName	string	0..1	

Output (Literal)

The output of this method is the argument CreateCollectionResponseResult having the structure defined by the following table.

Name	Type	Occurs	Description
nId	long	1..1	
sName	string	1..1	
sUrl	string	1..1	

Method: CreateObject

Description

Creates a RM requirement, given a class id and requirement data

Style

Document

Input (Literal)

The input of this method is the argument CreateObject having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
anObject	Requirement	1..1	

Output (Literal)

The output of this method is the argument CreateObjectResult having the structure defined by the following table.

Name	Type	Occurs	Description
result	RequirementOut	1..1	

Method: CreateObjectEx

Description

Creates a RM requirement, given a class id and requirement data

Style

Document

Input (Literal)

The input of this method is the argument CreateObjectEx having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
anObject	Requirement	1..1	
bDontGenerateAlfEvent	boolean	0..1	

Output (Literal)

The output of this method is the argument CreateObjectExResult having the structure defined by the following table.

Name	Type	Occurs	Description
result	RequirementOut	1..1	

Method: CreateObjectWithAttachment

Description

Creates a RM requirement with attachment, given a class id and requirement data

Style

Document

Input (Literal)

The input of this method is the argument CreateObjectWithAttachment having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
anObject	Requirement	1..1	
sAttrName	string	0..1	
oFile	FileAttachment	0..1	

Output (Literal)

The output of this method is the argument CreateObjectWithAttachmentResult having the structure defined by the following table.

Name	Type	Occurs	Description
result	RequirementOut	1..1	

Method: CreateRMDocumentEx

Description

Service definition of function ns__CreateRMDocumentEx

Style

Document

Input (Literal)

The input of this method is the argument CreateRMDocumentEx having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
rtmDoc	RtmDocumentWithCategory	1..1	

Output (Literal)

The output of this method is the argument CreateRMDocumentExResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	CreateRMDocumentExResult	1..1	

Method: CreateRtmDocSnapshot

Description

Creates document snapshot by document id. See ns__RtmDocSnapshot.

Style

Document

Input (Literal)

The input of this method is the argument CreateRtmDocSnapshot having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
snapshot	RtmDocSnapshot	1..1	

Output (Literal)

The output of this method is the argument CreateRtmDocSnapshotResult having the structure defined by the following table.

Name	Type	Occurs	Description
snapshot	RtmDocSnapshotOut	1..1	

Method: CreateRtmDocument

Description

Create a new project rtm document.

Style

Document

Input (Literal)

The input of this method is the argument CreateRtmDocument having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
rtmDoc	RtmDocumentWithCategory	1..1	

Output (Literal)

The output of this method is the argument CreateRtmDocumentResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	CreateRtmDocumentResult	1..1	

Method: CreateTemplate

Description

Create a new project document template.

Style

Document

Input (Literal)

The input of this method is the argument CreateTemplate having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
docTemplate	Template	1..1	
encodedContent	base64Binary	0..1	

Output (Literal)

The output of this method is the argument CreateTemplateResponse having the structure defined by the following table.

Name	Type	Occurs	Description
returnTemplate	Template	1..1	

Method: DeleteBaseline

Description

Delete a baseline

Style

Document

Input (Literal)

The input of this method is the argument DeleteBaseline having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
nBaselineId	int	1..1	

Output (Literal)

The output of this method is the argument DeleteBaselineResult having the structure defined by the following table.

Name	Type	Occurs	Description
nStatus	int	1..1	

Method: DeleteObjects

Description

Marks requirements as deleted

Style

Document

Input (Literal)

The input of this method is the argument DeleteObjects having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sClassName	string	1..1	
aObjectPUIDs	StringList	1..1	

Output (Literal)

The output of this method is the argument DeleteObjectsResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	boolean	1..1	

Method: DeleteRtmDocument

Description

Delete the rtm document specified by template id

Style

Document

Input (Literal)

The input of this method is the argument DeleteRtmDocument having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
id	int	1..1	

Output (Literal)

The output of this method is the argument DeleteRtmDocumentResponse having the structure defined by the following table.

Name	Type	Occurs	Description
status	CommandStatus	1..1	

Method: DeleteSyncXrefLink

Description

Deletes a link from Sync_Xref table

Style

Document

Input (Literal)

The input of this method is the argument DeleteSyncXrefLink having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
aXref	SyncXrefLink	1..1	

Output (Literal)

The output of this method is the argument DeleteSyncXrefLinkResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	boolean	1..1	

Method: DeleteTemplate

Description

Delete the project template specified by template id

Style

Document

Input (Literal)

The input of this method is the argument DeleteTemplate having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
id	int	1..1	

Output (Literal)

The output of this method is the argument DeleteTemplateResponse having the structure defined by the following table.

Name	Type	Occurs	Description
returnTemplate	Template	1..1	

Method: DocumentAddChapter

Description

Service definition of function ns__DocumentAddChapter

Style

Document

Input (Literal)

The input of this method is the argument DocumentAddChapter having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
documentId	int	0..1	
documentName	string	0..1	
parentIID	int	0..1	
chapterName	ns-chapterDetails	1..1	
position	int	0..1	

Output (Literal)

The output of this method is the argument DocumentAddChapterResults having the structure defined by the following table.

Name	Type	Occurs	Description
sResult	string	1..1	
Chapter	DocumentObject	0..1	

Method: DocumentMoveObject

Description

Service definition of function ns__DocumentMoveObject

Style

Document

Input (Literal)

The input of this method is the argument DocumentMoveObject having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
documentId	int	0..1	
documentName	string	0..1	
IID	int	1..1	
parentIID	int	1..1	
position	int	0..1	

Output (Literal)

The output of this method is the argument DocumentMoveObjectResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	string	1..1	

Method: DocumentRemoveObject

Description

Marks objects as removed from the Document.

Style

Document

Input (Literal)

The input of this method is the argument DocumentRemoveObject having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
documentId	int	0..1	
documentName	string	0..1	
IID	int	1..1	

Output (Literal)

The output of this method is the argument DocumentRemoveObjectResponse having the structure defined by the following table.

Name	Type	Occurs	Description
sMessage	string	1..1	

Method: FindAndReplaceObject

Description

Search requirement(s) based on attribute list and replaces those with specified requirement data

Style

Document

Input (Literal)

The input of this method is the argument FindAndReplaceObject having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
anObject	Requirement	1..1	
aAttrList	NameValueList	0..1	
bCreateIfnotFound	boolean	0..1	

Output (Literal)

The output of this method is the argument FindAndReplaceObjectResponse having the structure defined by the following table.

Name	Type	Occurs	Description
results	ReplaceRequirementList	1..1	

Method: FindLinkedObjects

Description

returns links with linked requirements (current state or specified state) for a specified requirement

Style

Document

Input (Literal)

The input of this method is the argument FindLinkedObjects having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sClassName	string	1..1	
nObjectId	int	1..1	
sStatus	string	0..1	
aAttrList	StringList	0..1	
bIncludeDeleted	boolean	0..1	

Output (Literal)

The output of this method is the argument LinkListEx having the structure defined by the following table.

Name	Type	Occurs	Description
sourceObjDetails	ObjectDetails	1..1	
relations	RelationList	0..1	

Method: FindModifiedObjects

Description

Find objects that have been modified since the given time\date

Style

Document

Input (Literal)

The input of this method is the argument FindModifiedObjects having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sClassName	string	1..1	
nTimestamp	dateTime	1..1	
aObjectPUIDs	StringList	0..1	
aAttrList	StringList	0..1	

Output (Literal)

The output of this method is the argument FindModifiedObjectsResponse having the structure defined by the following table.

Name	Type	Occurs	Description
results	RequirementList	1..1	

Method: FindObjects

Description

Find objects that match the given search criteria.

Style

Document

Input (Literal)

The input of this method is the argument FindObjects having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sClassName	string	1..1	
aKeywords	StringList	0..1	
bSearchFullText	boolean	0..1	
bIncludeSubCategories	boolean	0..1	
sAdditionalConditions	string	0..1	
anExample	Requirement	0..1	
aAttrList	StringList	0..1	

Output (Literal)

The output of this method is the argument FindObjectsResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	RequirementList	1..1	

Additional info:

For looking for requirements in some categories, IN_CATEGORY attribute can be used

Requirements could be filtered by condition, using sAdditionalConditions parameter.

Example of usage:

```
  <urn:FindObjects>
      <sessionId>1</sessionId>
   <sClassName>Marketing_Requirements</sClassName>
<bIncludeSubCategories>true</bIncludeSubCategories>
<sAdditionalConditions>DELIVERY_PHASE IN ('Build1')   and STATUS IN
('Replaced')</sAdditionalConditions>        <anExample>
          <aAttrList>
            <item>
              <sName>IN_CATEGORY</sName>
              <sValue>Availability</sValue>
            </item>
<item>
  <sName>IN_CATEGORY</sName>
              <sValue>Functional</sValue>
            </item>
          </aAttrList>
        </anExample>
  <aAttrList>
      <item>STATUS</item>
      <item>DELIVERY_PHASE</item>
```

```
<item>IN_CATEGORY</item>
        </aAttrList>
      </urn:FindObjects>
```

Other example of "sAdditionalConditions" param value:
“STATUS IN ('Current','Replaced') and group not in ('User') and primary_in MarketingRqmts_to_ProdRqmts”

As FindObjects uses doctool engine for filtering the full syntax from RM reports ("where" clause) is supported in this parameter.

sValue for IN_CATEGORY can be specified as:

a) category id;
b) category full name, separated by '/' or '\'
c) category name(only in case when name is unique);

Method: FindObjectsInClasses

Description

Find objects in classes that match the given search criteria.

Style

Document

Input (Literal)

The input of this method is the argument FindObjectsInClasses having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
aClassNamesList	StringList	0..1	
aKeywords	StringList	0..1	
bSearchFullText	boolean	0..1	
bIncludeSubCategories	boolean	0..1	
sAdditionalConditions	string	0..1	
anExample	Requirement	0..1	
aAttrList	StringList	0..1	

Output (Literal)

The output of this method is the argument FindObjectsInClassesResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	RequirementList	1..1	

Additional info:

For looking for requirements in some categories, IN_CATEGORY attribute can be used

Example of usage:

```
<urn:FindObjectsInClasses>
    <sessionId>1</sessionId>
    <bIncludeSubCategories>true</bIncludeSubCategories>
   <anExample>
      <aAttrList>
        <item>
          <sName>IN_CATEGORY</sName>
          <sValue>1</sValue>
        </item>
      </aAttrList>
    </anExample>
    <aAttrList>
      <item>IN_CATEGORY</item>
  </aAttrList>
 </urn:FindObjectsInClasses>
```

sValue for IN_CATEGORY can be:

a) category id;
b) category full name, separated by '/' or '\'
c) category name(only in case when name is unique);

Method: FindObjectsInCollections

Description

Find objects in the given collections.

Style

Document

Input (Literal)

The input of this method is the argument FindObjectsInCollections having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
collectionIds	IdList	1..1	
aSearchAttr	SearchRequirement	0..1	
aKeywords	StringList	0..1	
bSearchFullText	boolean	0..1	
bDetagDescription	boolean	0..1	
aReturnAttrList	StringList	0..1	

Output (Literal)

The output of this method is the argument FindObjectsInCollectionsResponse having the structure defined by the following table.

Name	Type	Occurs	Description
results	RequirementFindList	1..1	

Additional info:

RTM_KEYWORDs attributes now can be used in the output. Now it is split to 4 groups:

Collections, Documents, Snapshots and Baselines.

Also next web services can use these attributes to be returned to display in results:
FindModifiedObjects
FindObjectsInClasses
GetObjectsInCollection
FindObjectsInCollections
GetObjectsInCollections

Example of usage:

```
<urn:FindObjectsInCollections>
    <sessionId>1</sessionId>
    <collectionIds>
      <item>12</item>
    </collectionIds>
    <aSearchAttr/>
    <aKeywords/>
    <aReturnAttrList>
      <item>RTM_KEYWORD</item>
       <item>RTM_DOCUMENTS</item>
       <item>RTM_COLLECTIONS</item>
       <item>RTM_BASELINES</item>
       <item>RTM_SNAPSHOTS</item>
```

```
    </aReturnAttrList>
  </urn:FindObjectsInCollections>
```

Method: FindRtmDocument

Description

Get a document specified by id

Style

Document

Input (Literal)

The input of this method is the argument FindRtmDocument having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
id	int	1..1	

Output (Literal)

The output of this method is the argument FindRtmDocumentResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	RtmDocumentList	1..1	

Method: FindTemplate

Description

Get a document template specified by id

Style

Document

Input (Literal)

The input of this method is the argument FindTemplate having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
id	int	1..1	

Output (Literal)

The output of this method is the argument FindTemplateResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	TemplateList	1..1	

Method: getAsyncAppendRtmDocStatus

Description

Get status from the async. test commmand

Style

Document

Input (Literal)

The input of this method is the argument getAsyncAppendRtmDocStatus having the structure defined by the following table.

Name	Type	Occurs	Description
cmdToken	string	1..1	

Output (Literal)

The output of this method is the argument getAsyncAppendRtmDocStatusResult having the structure defined by the following table.

Name	Type	Occurs	Description
result	getAsyncAppendRtmDocStatusResponse	1..1	

Method: getAsyncCreateRtmDocStatus

Description

Get status from the async. test commmand

Style

Document

Input (Literal)

The input of this method is the argument getAsyncCreateRtmDocStatus having the structure defined by the following table.

Name	Type	Occurs	Description
cmdToken	string	1..1	

Output (Literal)

The output of this method is the argument getAsyncCreateRtmDocStatusResult having the structure defined by the following table.

Name	Type	Occurs	Description
result	getAsyncCreateRtmDocStatusResponse	1..1	

Method: getAsyncQueryRtmDocStatus

Description

Service definition of function ns__getAsyncQueryRtmDocStatus

Style

Document

Input (Literal)

The input of this method is the argument getAsyncQueryRtmDocStatus having the structure defined by the following table.

Name	Type	Occurs	Description
cmdToken	string	1..1	

Output (Literal)

The output of this method is the argument getAsyncQueryRtmDocumentStatusResult having the structure defined by the following table.

Name	Type	Occurs	Description
result	getAsyncQueryRtmDocumentStatusResponse	1..1	

Method: getAsyncReplaceRtmDocStatus

Description

Get status from the async. test commmand

Style

Document

Input (Literal)

The input of this method is the argument getAsyncReplaceRtmDocStatus having the structure defined by the following table.

Name	Type	Occurs	Description
cmdToken	string	1..1	

Output (Literal)

The output of this method is the argument getAsyncReplaceRtmDocStatusResult having the structure defined by the following table.

Name	Type	Occurs	Description
result	getAsyncReplaceRtmDocStatusResponse	1..1	

Method: getAsyncStatus

Description

Get status from an asyncronous commmand

Style

Document

Input (Literal)

The input of this method is the argument getAsyncStatus having the structure defined by the following table.

Name	Type	Occurs	Description
cmdToken	string	1..1	

Output (Literal)

The output of this method is the argument getAsyncStatusResponseResult having the structure defined by the following table.

Name	Type	Occurs	Description
result	getAsyncStatusResponse	1..1	

Method: GetAttributeDefInfo

Description

Service definition of function ns__GetAttributeDefInfo

Style

Document

Input (Literal)

The input of this method is the argument GetAttributeDefInfo having the structure defined by the following table.

Name	Type	Occurs	Description
GetAttributeDefInfoRequest	GetAttributeDefInfoRequest	0..1	

Output (Literal)

The output of this method is the argument GetAttributeDefInfoReply of type GetAttributeDefInfoReply having the structure defined by the following table.

Name	Type	Occurs	Description
attributeDefInfo	AttributeDefInfo	1..1	

Method: GetCategoryByDisplayName

Description

Service definition of function ns__GetCategoryByDisplayName

Style

Document

Input (Literal)

The input of this method is the argument GetCategoryByDisplayName having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sDisplayName	string	1..1	

Output (Literal)

The output of this method is the argument CategoryResult having the structure defined by the following table.

Name	Type	Occurs	Description
nId	long	1..1	

Method: GetCategoryById

Description

Service definition of function ns__GetCategoryById

Style

Document

Input (Literal)

The input of this method is the argument GetCategoryById having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
categoryId	long	1..1	
parentLevel	long	0..1	

Output (Literal)

The output of this method is the argument CategoryEx having the structure defined by the following table.

Name	Type	Occurs	Description
nId	long	1..1	
nType	long	1..1	
sName	string	1..1	
sDescription	string	0..1	
sDisplayName	string	1..1	
nParentId	long	1..1	

Method: GetClassDefInfo

Description

Service definition of function ns__GetClassDefInfo

Style

Document

Input (Literal)

The input of this method is the argument GetClassDefInfo having the structure defined by the following table.

Name	Type	Occurs	Description
GetClassDefInfoRequest	GetClassDefInfoRequest	0..1	

Output (Literal)

The output of this method is the argument GetClassDefInfoReply of type GetClassDefInfoReply having the structure defined by the following table.

Name	Type	Occurs	Description
classDefInfo	ClassDefInfo	1..1	

Method: GetCollectionById

Description

Get a collection specified by collection

Style

Document

Input (Literal)

The input of this method is the argument GetCollectionById having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
collection-id	int	1..1	

Output (Literal)

The output of this method is the argument GetCollectionByIdResult having the structure defined by the following table.

Name	Type	Occurs	Description
collection	CollectionEx	1..1	

Method: GetCollectionByName

Description

Get a collection specified by name

Style

Document

Input (Literal)

The input of this method is the argument GetCollectionByName having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
collection-name	string	1..1	

Output (Literal)

The output of this method is the argument GetCollectionByNameResult having the structure defined by the following table.

Name	Type	Occurs	Description
collection	CollectionEx	1..1	

Method: GetCollectionInfo

Description

Service definition of function ns__GetCollectionInfo

Style

Document

Input (Literal)

The input of this method is the argument GetCollectionInfo having the structure defined by the following table.

Name	Type	Occurs	Description
GetCollectionInfoRequest	GetCollectionInfoRequest	0..1	

Output (Literal)

The output of this method is the argument GetCollectionInfoReply of type GetCollectionInfoReply having the structure defined by the following table.

Name	Type	Occurs	Description
collectionInfo	CollectionInfo	1..1	

Method: GetObjectsInCollection

Description

Get objects in the given collection.

Style

Document

Input (Literal)

The input of this method is the argument GetObjectsInCollection having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
collectionId	int	1..1	
bDetagDescription	boolean	0..1	
aAttrList	StringList	0..1	

Output (Literal)

The output of this method is the argument GetObjectsInCollectionResponse having the structure defined by the following table.

Name	Type	Occurs	Description
results	RequirementList	1..1	

Method: GetObjectsInCollections

Description

Get objects in the given collections.

Style

Document

Input (Literal)

The input of this method is the argument GetObjectsInCollections having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
collectionIds	IdList	1..1	
bDetagDescription	boolean	0..1	
aAttrList	StringList	0..1	

Output (Literal)

The output of this method is the argument GetObjectsInCollectionsResponse having the structure defined by the following table.

Name	Type	Occurs	Description
results	RequirementList	1..1	

Method: GetObjectsInRMDocument

Description

Service definition of function ns__GetObjectsInRMDocument

Style

Document

Input (Literal)

The input of this method is the argument GetObjectsInRMDocument having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
nDocId	int	1..1	
detagHtmlAttributes	boolean	0..1	
aAttrList	StringList	0..1	

Output (Literal)

The output of this method is the argument GetObjectsInRMDocumentResponse having the structure defined by the following table.

Name	Type	Occurs	Description
results	RequirementList	1..1	

Method: GetProjectInfo

Description

Service definition of function ns__GetProjectInfo

Style

Document

Input (Literal)

The input of this method is the argument GetProjectInfo having the structure defined by the following table.

Name	Type	Occurs	Description
GetProjectInfoRequest	GetProjectInfoRequest	0..1	

Output (Literal)

The output of this method is the argument GetProjectInfoReply of type GetProjectInfoReply having the structure defined by the following table.

Name	Type	Occurs	Description
projectInfo	ProjectInfo	1..1	

Method: GetRMDocSnapshotDiffUrl

Description

Service definition of function ns__GetRMDocSnapshotDiffUrl

Style

Document

Input (Literal)

The input of this method is the argument GetRMDocSnapshotDiffUrl having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
chngid	int	1..1	
baseid	int	1..1	

Output (Literal)

The output of this method is the argument GetRMDocSnapshotDiffUrlResult having the structure defined by the following table.

Name	Type	Occurs	Description
sUrl	string	1..1	

Method: GetRMDocSnapshots

Description

Returns list of snapshots for specified document.

Style

Document

Input (Literal)

The input of this method is the argument GetRMDocSnapshots having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
documentId	int	1..1	

Output (Literal)

The output of this method is the argument GetRMDocSnapshotsResult having the structure defined by the following table.

Name	Type	Occurs	Description
snapshots	RtmDocSnaphotOutList	1..1	

Method: GetRtmDocSnapshotById

Description

Retrieve document snapshot information by id. See ns__RtmDocSnapshot.

Style

Document

Input (Literal)

The input of this method is the argument GetRtmDocSnapshotById having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
id	int	1..1	

Output (Literal)

The output of this method is the argument GetRtmDocSnapshotByIdResult having the structure defined by the following table.

Name	Type	Occurs	Description
snapshot	RtmDocSnapshotOut	1..1	

Method: GetRtmDocSnapshotByName

Description

Retrieve document snapshot information by name. See ns__RtmDocSnapshot.

Style

Document

Input (Literal)

The input of this method is the argument GetRtmDocSnapshotByName having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
name	string	1..1	

Output (Literal)

The output of this method is the argument GetRtmDocSnapshotByNameResult having the structure defined by the following table.

Name	Type	Occurs	Description
snapshot	RtmDocSnapshotOut	1..1	

Method: GetSharedFile

Description

Download a shared file for local use

Style

Document

Input (Literal)

The input of this method is the argument GetSharedFile having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
iFileStorageId	int	1..1	
oFile	FileAttachment	1..1	

Output (Literal)

The output of this method is the argument FileAttachmentResult having the structure defined by the following table.

Name	Type	Occurs	Description
result	FileAttachment	1..1	

Method: GetTemplateFile

Description

Get the template file of the template specified by template id

Style

Document

Input (Literal)

The input of this method is the argument GetTemplateFile having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
id	int	1..1	

Output (Literal)

The output of this method is the argument GetTemplateFileResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	base64Binary	1..1	

Method: getTestAsyncStatus

Description

Get status from the async. test commmand

Style

Document

Input (Literal)

The input of this method is the argument getTestAsyncStatus having the structure defined by the following table.

Name	Type	Occurs	Description
cmdToken	string	1..1	

Output (Literal)

The output of this method is the argument getTestAsyncStatusResponseResult having the structure defined by the following table.

Name	Type	Occurs	Description
result	testAsyncStatusResponse	1..1	

Method: IsSSOLoginEnabled

Description

Service definition of function ns__IsSSOLoginEnabled

Style

Document

Input (Literal)

The input of this method is the argument IsSSOLoginEnabled having the structure defined by the following table.

Name	Type	Occurs	Description
sDatabase	string	1..1	

Output (Literal)

The output of this method is the argument IsSSOLoginEnabledResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	boolean	1..1	

Method: LinkObjects

Description

Link multiple children to a parent object

Style

Document

Input (Literal)

The input of this method is the argument LinkObjects having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sParentClassName	string	1..1	
sParentPUID	string	1..1	
sChildClassName	string	1..1	
aChildPUIDs	StringList	1..1	

Output (Literal)

The output of this method is the argument LinkObjectsResponse having the structure defined by the following table.

Name	Type	Occurs	Description
results	string	1..1	

Method: LinkObjectsEx

Description

Link multiple children to a parent object

Style

Document

Input (Literal)

The input of this method is the argument LinkObjectsEx having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
nRelationId	int	0..1	
sRelationName	string	0..1	
sParentPUID	string	1..1	
aChildPUIDs	StringList	1..1	

Output (Literal)

The output of this method is the argument LinkObjectsExResponse having the structure defined by the following table.

Name	Type	Occurs	Description
results	string	1..1	

Method: LinkObjectsExById

Description

Link multiple children to a parent object

Style

Document

Input (Literal)

The input of this method is the argument LinkObjectsExById having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
nRelationId	int	0..1	
sRelationName	string	0..1	
nParentId	int	1..1	
aChildIds	IdList	1..1	

Output (Literal)

The output of this method is the argument LinkResults having the structure defined by the following table.

Name	Type	Occurs	Description
sResult	string	1..1	
lLinkList	StringList	0..1	

Method: ListAllAllowedCategories

Description

Get a list of all allowed categories for the project.

Style

Document

Input (Literal)

The input of this method is the argument ListAllAllowedCategories having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	

Output (Literal)

The output of this method is the argument ListAllAllowedCategoriesResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	CategoryList	1..1	

Method: ListCategories

Description

Get a list of child categories for the given parent category.

Style

Document

Input (Literal)

The input of this method is the argument ListCategories having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
categoryId	long	1..1	

Output (Literal)

The output of this method is the argument ListCategoriesResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	CategoryList	1..1	

Method: ListCollections

Description

Get a list of collection names in the project.

Style

Document

Input (Literal)

The input of this method is the argument ListCollections having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	

Output (Literal)

The output of this method is the argument ListCollectionsResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	CollectionList	1..1	

Method: ListCollectionsEx

Description

Get a list of collections in the project.

Style

Document

Input (Literal)

The input of this method is the argument ListCollectionsEx having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	

Output (Literal)

The output of this method is the argument ListCollectionsExResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	CollectionExList	1..1	

Method: ListCollectionsEx2

Description

Get a list of collections in the project.

Style

Document

Input (Literal)

The input of this method is the argument ListCollectionsEx2 having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	

Output (Literal)

The output of this method is the argument ListCollectionsEx2Response having the structure defined by the following table.

Name	Type	Occurs	Description
result	CollectionEx2List	1..1	

Method: ListObjectLinks

Description

List secondary links for a specified requirement

Style

Document

Input (Literal)

The input of this method is the argument ListObjectLinks having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
aRequirement	Requirement	1..1	
bIncludeDeleted	boolean	0..1	

Output (Literal)

The output of this method is the argument ListObjectLinksResponse having the structure defined by the following table.

Name	Type	Occurs	Description
results	LinkList	1..1	

Method: ListRootCategories

Description

Get a list of top-level categories in the project.

Style

Document

Input (Literal)

The input of this method is the argument ListRootCategories having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	

Output (Literal)

The output of this method is the argument ListRootCategoriesResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	CategoryList	1..1	

Method: ListRtmDocuments

Description

Get a list of rtm documents in the project.

Style

Document

Input (Literal)

The input of this method is the argument ListRtmDocuments having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
filter	DocumentsFilter	0..1	

Output (Literal)

The output of this method is the argument ListRtmDocumentsResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	RtmDocumentList	1..1	

Additional info:

ListRtmDocuments WS also allows to filter documents by category.
optional input parameters were added:
- sCategory
- bIncludeSubCategories,

Category can be specified by full path or by category_id.

Example of usage:

```
<urn:ListRtmDocuments>
  <sessionId>1</sessionId>
  <filter>
    <sCreatedBy>ephoto</sCreatedBy>
    <sCategory>RMDEMO\Functional</sCategory>
    <bIncludeSubCategories>true</bIncludeSubCategories>
  </filter>
</urn:ListRtmDocuments>
```

Method: ListTemplates

Description

Get a list of document templates in the project.

Style

Document

Input (Literal)

The input of this method is the argument ListTemplates having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	

Output (Literal)

The output of this method is the argument ListTemplatesResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	TemplateList	1..1	

Method: Login

Description

Login into RTM - use returned sessionId for subsequent calls.

Style

Document

Input (Literal)

The input of this method is the argument Login having the structure defined by the following table.

Name	Type	Occurs	Description
sUserId	string	0..1	
sPassword	string	0..1	
sProjectName	string	0..1	
sDatabase	string	1..1	

Output (Literal)

The output of this method is the argument LoginResult having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	

Method: LoginByProjectId

Description

Login into RTM - use returned sessionId for subsequent calls.

Style

Document

Input (Literal)

The input of this method is the argument LoginByProjectId having the structure defined by the following table.

Name	Type	Occurs	Description
sUserId	string	0..1	
sPassword	string	0..1	
nProjectId	int	1..1	
sDatabase	string	1..1	

Output (Literal)

The output of this method is the argument LoginByProjectIdResult having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	

Method: LoginEx

Description

Login into RTM and return if it was admin login along with sessionId.

Style

Document

Input (Literal)

The input of this method is the argument LoginEx having the structure defined by the following table.

Name	Type	Occurs	Description
sUserId	string	0..1	
sPassword	string	0..1	
sProjectName	string	0..1	
sDatabase	string	1..1	

Output (Literal)

The output of this method is the argument LoginExResult having the structure defined by the following table.

Name	Type	Occurs	Description
info	LoginExResultInfo	1..1	

Method: Logout

Description

Logout of RTM.

Style

Document

Input (Literal)

The input of this method is the argument Logout having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	

Output (Literal)

The output of this method is the argument LogoutResult having the structure defined by the following table.

Name	Type	Occurs	Description
value	int	1..1	

Method: ModifyObjectsByScript

Description

Mass Replace, Update, Approve, Reject, Delete, Remove, Undelete requirements by script text or report name. (Reports with run-time parameters are also supported)

Style

Document

Input (Literal)

The input of this method is the argument ModifyObjectsByScript having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sAction	string	1..1	
aAttributes	NameValueList	1..1	
anScript	Script	1..1	
bDontGenerateAlfEvent	boolean	0..1	

Output (Literal)

The output of this method is the argument ModifyObjectsResponse having the structure defined by the following table.

Name	Type	Occurs	Description
aSucceedObjects	ObjectsList	1..1	
aFailedObjects	ObjectsList	1..1	

Additional Info:

New attributes values section is used for replace, update actions. Also it is used for Reject action to set up CHANGE_REASON attribute.
Note that for reject Action of requirements CHANGE_REASON is mandatory.
For locating requirements for mass update next possibilities:
- Specify script name or script text

Example of usage:

1) Update requirements by script text:

```
<urn:ModifyObjectsByScript>
        <sessionId>1</sessionId>
  <sAction>Update</sAction>
        <aAttributes>
          <item>
            <sName>PRIORITY</sName>
            <sValue>1</sValue>
          </item>
          <item>
            <sName>TT_ITEM_STATE</sName>
            <sValue>New</sValue>
          </item>
        </aAttributes>

        <anScript>
          <sScriptText>select object_id from Marketing_Requirements where STATUS IN ('Current') and
group in ('ePhoto Requirements') </sScriptText>
```

```
            </anScript>
        </urn:ModifyObjectsByScript>

<urn:ModifyObjectsByScript>
```

2) *Remove requirements by script text*

```
<sessionId>1</sessionId>
  <sAction>Remove</sAction>

  <sScriptText>select object_id from Marketing_Requirements where STATUS IN ('Current')   and
DELIVERY_PHASE in ('TBD')</sScriptText>
        </anScript>
      </urn:ModifyObjectsByScript>
```

3) Reject requirements by scriptname (also with run-time parameters):

```
  <urn:ModifyObjectsByScript>
        <sessionId>1</sessionId>
        <sAction>Reject</sAction>
        <aAttributes>
          <item>
            <sName>CHANGE_REASON</sName>
            <sValue>Some reason text...</sValue>
          </item>
        </aAttributes>
        <anScript>
          <anSavedReport>
            <sCategoryName>RMDEMO</sCategoryName>
            <sReportName>All changed requirements from document (run time)</sReportName>
          </anSavedReport>
        </anScript>
          <anRunTimeParameters>
            <item>
              <sName>RTP__GROUP_1</sName>
              <sValue>ePhoto Requirements</sValue>
            </item>
          </anRunTimeParameters>
      </urn:ModifyObjectsByScript>
```

Method: PutSharedFile

Description

Upload a shared file for access by others

Style

Document

Input (Literal)

The input of this method is the argument PutSharedFile having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
oFile	FileAttachment	1..1	

Output (Literal)

The output of this method is the argument PutSharedFileResponse having the structure defined by the following table.

Name	Type	Occurs	Description
iFileStorageId	int	1..1	

Method: QueryAttributes

Description

Return the list of defined attributes in a classes.

Style

Document

Input (Literal)

The input of this method is the argument QueryAttributes having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sClassName	string	1..1	

Output (Literal)

The output of this method is the argument QueryAttributesResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	AttributeDefList	1..1	

Method: QueryAttributesEx

Description

Return the list of defined attributes in a classes.

Style

Document

Input (Literal)

The input of this method is the argument QueryAttributesEx having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sClassName	string	1..1	

Output (Literal)

The output of this method is the argument QueryAttributesExResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	AttributeDefExList	1..1	

Method: QueryClasses

Description

Return the list of defined classes in project.

Style

Document

Input (Literal)

The input of this method is the argument QueryClasses having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	

Output (Literal)

The output of this method is the argument QueryClassesResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	ClassDefList	1..1	

Method: QueryClassesEx

Description

Return the list of defined classes in project.

Style

Document

Input (Literal)

The input of this method is the argument QueryClassesEx having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	

Output (Literal)

The output of this method is the argument QueryClassesExResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	ClassDefExList	1..1	

Method: QueryDatabases

Description

Return the list of oracle databases.

Style

Document

Input (Literal)

The input of this method is the argument QueryDatabases that is always empty.

Output (Literal)

The output of this method is the argument QueryDatabasesResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	DatabaseList	1..1	

Method: QueryLinkClasses

Description

Return the list of linked classes information in project.

Style

Document

Input (Literal)

The input of this method is the argument QueryLinkClasses having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
nClassId	int	1..1	

Output (Literal)

The output of this method is the argument QueryLinkClassesResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	LinkClassDefList	1..1	

Method: QueryProjects

Description

Return the list of defined projects in database.

Style

Document

Input (Literal)

The input of this method is the argument QueryProjects having the structure defined by the following table.

Name	Type	Occurs	Description
sUserId	string	0..1	
sPassword	string	0..1	
sDatabase	string	1..1	

Output (Literal)

The output of this method is the argument QueryProjectsResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	ProjectList	1..1	

Method: QueryProjectsEx

Description

Return the list of defined projects in database.

Style

Document

Input (Literal)

The input of this method is the argument QueryProjectsEx having the structure defined by the following table.

Name	Type	Occurs	Description
sUserId	string	0..1	
sPassword	string	0..1	
sDatabase	string	1..1	

Output (Literal)

The output of this method is the argument QueryProjectsExResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	ProjectExList	1..1	

Method: QueryRtmDocumentStructure

Description

Creates an XML representing RM Document structure.

Style

Document

Input (Literal)

The input of this method is the argument QueryRtmDocumentStructure having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
nDocId	int	1..1	
nChapterId	int	0..1	
bIncludeReq	boolean	0..1	

Output (Literal)

The output of this method is the argument RtmDocumentOut having the structure defined by the following table.

Name	Type	Occurs	Description
info	RtmDocumentProperties	1..1	
sContent	string	1..1	

Method: QuerySystemInfo

Description

Return the system information.

Style

Document

Input (Literal)

The input of this method is the argument QuerySystemInfo having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	

Output (Literal)

The output of this method is the argument SystemInfoResult having the structure defined by the following table.

Name	Type	Occurs	Description
result	SystemInfo	1..1	

Method: ReadObject

Description

Read object information with all the attribute values

Style

Document

Input (Literal)

The input of this method is the argument ReadObject having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
aRequirement	RequirementIdentifier	1..1	

Output (Literal)

The output of this method is the argument ReadObjectResult having the structure defined by the following table.

Name	Type	Occurs	Description
result	RequirementOut	1..1	

Method: ReadObjectAttachment

Description

Read attachment of a requirement

Style

Document

Input (Literal)

The input of this method is the argument ReadObjectAttachment having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
aRequirement	RequirementIdentifier	1..1	
sAttrName	string	1..1	

Output (Literal)

The output of this method is the argument ReadObjectAttachmentResult having the structure defined by the following table.

Name	Type	Occurs	Description
result	FileAttachment	1..1	

Method: ReadObjectEx

Description

Read object information with all the attribute values

Style

Document

Input (Literal)

The input of this method is the argument ReadObjectEx having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
aRequirement	RequirementIdentifier	1..1	
detagHtmlAttributes	boolean	0..1	

Output (Literal)

The output of this method is the argument ReadObjectExResult having the structure defined by the following table.

Name	Type	Occurs	Description
result	RequirementOut	1..1	

Method: ReadObjects

Description

Read object information with all the attribute values

Style

Document

Input (Literal)

The input of this method is the argument ReadObjects having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
requirements	RequirementIdentifierList	1..1	

Output (Literal)

The output of this method is the argument ReadObjectsResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	RequirementList	1..1	

Method: ReadSyncXrefLink

Description

Reads a link from Sync_Xref table

Style

Document

Input (Literal)

The input of this method is the argument ReadSyncXrefLink having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
aXref	SyncXrefLink	1..1	

Output (Literal)

The output of this method is the argument ReadSyncXrefLinkResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	SyncXrefLinkList	1..1	

Method: RejectChangeRequest

Description

Service definition of function ns__RejectChangeRequest

Style

Document

Input (Literal)

The input of this method is the argument RejectChangeRequest having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
className	string	1..1	
requestId	long	1..1	
reason	string	1..1	

Output (Literal)

The output of this method is the argument RejectChangeRequestResult having the structure defined by the following table.

Name	Type	Occurs	Description
status	CommandStatus	1..1	

Method: RemoveObject

Description

RemoveObject Removes a requirement from the database

Style

Document

Input (Literal)

The input of this method is the argument RemoveObject having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
objectDef	ObjectDef	1..1	

Output (Literal)

The output of this method is the argument RemoveObjectResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	boolean	1..1	

Method: RemoveObjectFromCollection

Description

Service definition of function ns__RemoveObjectFromCollection

Style

Document

Input (Literal)

The input of this method is the argument RemoveObjectFromCollection having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
objectIdentifier	RequirementIdentifier	1..1	
collectionName	string	1..1	

Output (Literal)

The output of this method is the argument removeObjectFromCollectionResponseResult having the structure defined by the following table.

Name	Type	Occurs	Description
result	removeObjectFromCollectionResponse	1..1	

Method: ReplaceObject

Description

Replaces a RM requirement with specified requirement data

Style

Document

Input (Literal)

The input of this method is the argument ReplaceObject having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
anObject	Requirement	1..1	

Output (Literal)

The output of this method is the argument ReplaceObjectResult having the structure defined by the following table.

Name	Type	Occurs	Description
result	RequirementOut	1..1	

Method: ReplaceObjectEx

Description

Replaces a RM requirement with specified requirement data

Style

Document

Input (Literal)

The input of this method is the argument ReplaceObjectEx having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
anObject	Requirement	1..1	
bDontGenerateAlfEvent	boolean	0..1	

Output (Literal)

The output of this method is the argument ReplaceObjectExResult having the structure defined by the following table.

Name	Type	Occurs	Description
result	RequirementOut	1..1	

Method: ReplaceObjectWithAttachment

Description

Replace a RM requirement with attachment, given a class id and requirement data

Style

Document

Input (Literal)

The input of this method is the argument ReplaceObjectWithAttachment having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
anObject	Requirement	1..1	
sAttrName	string	1..1	
oFile	FileAttachment	0..1	
bDontGenerateAlfEvent	boolean	0..1	

Output (Literal)

The output of this method is the argument ReplaceObjectWithAttachmentResult having the structure defined by the following table.

Name	Type	Occurs	Description
result	RequirementOut	1..1	

Method: RTMDocumentAddChapter

Description

The New Chapter Shall be added after the Existing Chapter at the same level.

Style

Document

Input (Literal)

The input of this method is the argument RTMDocumentAddChapter having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
nDocument-id	int	1..1	
nExistChapter-id	int	1..1	
chapterName	ns-chapterDetails	1..1	

Output (Literal)

The output of this method is the argument RTMDocumentAddChapterResponse having the structure defined by the following table.

Name	Type	Occurs	Description
sMessage	string	1..1	

Method: RTMDocumentAddRequirement

Description

The Requirement Shall be added in the Existing Chapter.

Style

Document

Input (Literal)

The input of this method is the argument RTMDocumentAddRequirement having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
nDocument-id	int	1..1	
nChapter-id	int	0..1	
sClassName	string	0..1	
nObject-id	int	0..1	
anObject	Requirement	0..1	

Output (Literal)

The output of this method is the argument RTMDocumentAddRequirementResponse having the structure defined by the following table.

Name	Type	Occurs	Description
sMessage	string	1..1	

Method: RTMDocumentExchangeRequirement

Description

Exchange requirements inplace.

Style

Document

Input (Literal)

The input of this method is the argument RTMDocumentExchangeRequirement having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
nDocument-id	int	1..1	
nChapter-id	int	1..1	
sClassName	string	1..1	
nOldObject-id	int	1..1	
nNewObject-id	int	1..1	
ECPObject	ECPObjInfo	0..1	

Output (Literal)

The output of this method is the argument RTMDocumentExchangeResponse having the structure defined by the following table.

Name	Type	Occurs	Description
sMessage	string	1..1	

Method: RTMDocumentRemoveRequirement

Description

Marks requirements as removed from the Document.

Style

Document

Input (Literal)

The input of this method is the argument RTMDocumentRemoveRequirement having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
nDocument-id	int	1..1	
nChapter-id	int	1..1	
sClassName	string	1..1	
nObject-id	int	1..1	

Output (Literal)

The output of this method is the argument RTMDocumentRequirementResponse having the structure defined by the following table.

Name	Type	Occurs	Description
sMessage	string	1..1	

Method: runTestAsync

Description

Run the async. test commmand

Style

Document

Input (Literal)

The input of this method is the argument runTestAsync having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
param-1	runTestAsyncInputData	1..1	

Output (Literal)

The output of this method is the argument runTestAsyncResponseResult having the structure defined by the following table.

Name	Type	Occurs	Description
result	runTestAsyncResponse	1..1	

Method: SendCMNotifications

Description

Send notifications to CM

Style

Document

Input (Literal)

The input of this method is the argument SendCMNotifications having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
CMUserId	string	1..1	
CMPassword	string	1..1	

Output (Literal)

The output of this method is the argument CMNotificationsResult having the structure defined by the following table.

Name	Type	Occurs	Description
nValue	int	1..1	

Method: UnlinkObjects

Description

Unlink multiple children from a parent object

Style

Document

Input (Literal)

The input of this method is the argument UnlinkObjects having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sParentClassName	string	1..1	
sParentPUID	string	1..1	
sChildClassName	string	1..1	
aChildPUIDs	StringList	1..1	
bOnlyDelete	boolean	0..1	

Output (Literal)

The output of this method is the argument UnlinkObjectsResponse having the structure defined by the following table.

Name	Type	Occurs	Description
results	string	1..1	

Method: UnlinkObjectsEx

Description

Unlink multiple children from a parent object

Style

Document

Input (Literal)

The input of this method is the argument UnlinkObjectsEx having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
nRelationId	int	0..1	
sRelationName	string	0..1	
sParentPUID	string	1..1	
aChildPUIDs	StringList	1..1	
bOnlyDelete	boolean	0..1	

Output (Literal)

The output of this method is the argument UnlinkObjectsExResponse having the structure defined by the following table.

Name	Type	Occurs	Description
results	string	1..1	

Method: UnlinkObjectsExById

Description

Unlink multiple children from a parent object

Style

Document

Input (Literal)

The input of this method is the argument UnlinkObjectsExById having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
nRelationId	int	0..1	
sRelationName	string	0..1	
nParentId	int	1..1	
aChildIds	IdList	1..1	
bOnlyDelete	boolean	0..1	

Output (Literal)

The output of this method is the argument UnLinkResults having the structure defined by the following table.

Name	Type	Occurs	Description
sResult	string	1..1	
lLinkList	StringList	0..1	

Method: UpdateObject

Description

Updates a RM requirement with specified requirement data

Style

Document

Input (Literal)

The input of this method is the argument UpdateObject having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
anObject	Requirement	1..1	

Output (Literal)

The output of this method is the argument UpdateObjectResult having the structure defined by the following table.

Name	Type	Occurs	Description
result	RequirementOut	1..1	

Method: UpdateObjectAttachment

Description

Updates a RM requirement attachment

Style

Document

Input (Literal)

The input of this method is the argument UpdateObjectAttachment having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sClassName	string	1..1	
sPUID	string	1..1	
sAttrName	string	1..1	
oFile	FileAttachment	0..1	

Output (Literal)

The output of this method is the argument UpdateObjectAttachmentResponse having the structure defined by the following table.

Name	Type	Occurs	Description
results	string	1..1	

Method: UpdateObjectEx

Description

Updates a RM requirement with specified requirement data

Style

Document

Input (Literal)

The input of this method is the argument UpdateObjectEx having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
anObject	Requirement	1..1	
bDontGenerateAlfEvent	boolean	0..1	

Output (Literal)

The output of this method is the argument UpdateObjectExResult having the structure defined by the following table.

Name	Type	Occurs	Description
result	RequirementOut	1..1	

Method: UpdateTemplate

Description

Update the template name, filename, and description fields and the template file.

Style

Document

Input (Literal)

The input of this method is the argument UpdateTemplate having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
docTemplate	Template	1..1	
encodedContent	base64Binary	0..1	

Output (Literal)

The output of this method is the argument UpdateTemplateResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	int	1..1	

Method: UpdateTemplateFile

Description

Replace the template file of the template specified by template id

Style

Document

Input (Literal)

The input of this method is the argument UpdateTemplateFile having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
id	int	1..1	
encodedContent	base64Binary	0..1	

Output (Literal)

The output of this method is the argument UpdateTemplateFileResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	int	1..1	

Complex Types: rtmService

Complex Types

Name	Description
addObjectToCollectionResponse	
AppendRMDocumentExResult	
AppendRtmDocumentResult	
AsyncAppendRtmDocResponse	
AsyncCreateRtmDocResponse	
AsyncReplaceRtmDocResponse	
AttributeDef	
AttributeDefEx	
AttributeDefExList	
AttributeDefInfo	
AttributeDefList	
AttributeDefSpecifier	
AttributeFormatDef	
Category	
CategoryAssign	
CategoryList	
CategoryReq	
ClassDef	
ClassDefEx	
ClassDefExList	
ClassDefInfo	
ClassDefList	
ClassSpecifier	
CmdStatus	
CollectionEx	
CollectionEx2	
CollectionEx2List	
CollectionExList	
CollectionInfo	
CollectionList	
CollectionSpecifier	
CollectionTransferRules	
CollectionTransferRulesEx	
CommandStatus	
CreateCollectionEx	
CreateRMDocumentExResult	
CreateRtmDocumentResult	
DatabaseList	
DocumentObject	
DocumentsFilter	

Name	Description
ECPObjInfo	
ECPsObjectInfo	
FileAttachment	
FindRequirementOut	
FormatDef	
getAsyncAppendRtmDocStatusResponse	
getAsyncCreateRtmDocStatusResponse	
getAsyncQueryRtmDocResponse	
getAsyncQueryRtmDocumentStatusResponse	
getAsyncReplaceRtmDocStatusResponse	
getAsyncStatusResponse	
GetAttributeDefInfoReply	
GetAttributeDefInfoRequest	
GetClassDefInfoReply	
GetClassDefInfoRequest	
GetCollectionInfoReply	
GetCollectionInfoRequest	
GetProjectInfoReply	
GetProjectInfoRequest	
IdList	
Link	
LinkClassDef	
LinkClassDefList	
LinkList	
LoginExResultInfo	
NameValue	
NameValueList	
ns-chapterDetails	
Object	
ObjectDef	
ObjectDetails	
ObjectDetailsList	
ObjectsList	
ProjectEx	
ProjectExList	
ProjectInfo	
ProjectList	
ProjectSpecifier	
RelationList	
RelationWithObjects	
removeObjectFromCollectionResponse	
ReplaceRequirementList	
ReplaceRequirementOut	

Name	Description
Report	
Requirement	
RequirementFindList	
RequirementIdentifier	
RequirementIdentifierList	
RequirementList	
RequirementOut	
Result	
RtmDocSnaphotOutList	
RtmDocSnapshot	
RtmDocSnapshotOut	
RtmDocument	
RtmDocumentList	
RtmDocumentProperties	
RtmDocumentWithCategory	
runTestAsyncInputData	
runTestAsyncResponse	
runTestAsyncResponseData	
Script	
SearchRequirement	
StatusMessage	
StatusMessageList	
StringList	
SyncXrefLink	
SyncXrefLinkList	
SystemInfo	
Template	
TemplateList	
testAsyncStatusResponse	

Complex Type: addObjectToCollectionResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
status	cmdStatusCode	1..1	

Complex Type: AppendRMDocumentExResult

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
info	RtmDocumentProperties	1..1	
status	CommandStatus	1..1	

Complex Type: AppendRtmDocumentResult

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
info	RtmDocumentProperties	1..1	
status	CommandStatus	1..1	

Complex Type: AsyncAppendRtmDocResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sCmdToken	string	1..1	
info	RtmDocumentProperties	1..1	
status	CmdStatus	1..1	

Complex Type: AsyncCreateRtmDocResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sCmdToken	string	1..1	
info	RtmDocumentProperties	1..1	
status	CmdStatus	1..1	

Complex Type: AsyncReplaceRtmDocResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sCmdToken	string	1..1	
info	RtmDocumentProperties	1..1	
status	CmdStatus	1..1	

Complex Type: AttributeDef

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
nId	int	1..1	
sName	string	1..1	
nTypeId	int	1..1	
sTypeName	string	1..1	
sDisplayName	string	1..1	
sDefaultValue	string	0..1	
bManditory	boolean	1..1	
bEditable	boolean	1..1	
bUnique	boolean	1..1	
bVisable	boolean	1..1	
bMultiple	boolean	1..1	
aFormat	FormatDef	1..1	
aValues	StringList	0..1	

Complex Type: AttributeDefEx

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
nId	int	1..1	
sName	string	1..1	
nTypeId	int	1..1	
sTypeName	string	1..1	
sDisplayName	string	1..1	
sDefaultValue	string	0..1	
bManditory	boolean	1..1	
bEditable	boolean	1..1	
bUnique	boolean	1..1	
bVisable	boolean	1..1	
bMultiple	boolean	1..1	
bImplicit	boolean	1..1	
bHtml	boolean	0..1	
aFormat	FormatDef	1..1	
aValues	StringList	0..1	

Complex Type: AttributeDefExList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	AttributeDefEx	0..*	

Complex Type: AttributeDefInfo

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
nId	int	1..1	
sName	string	1..1	
nTypeId	int	1..1	
sTypeName	string	1..1	
sDisplayName	string	1..1	
sDefaultValue	string	1..1	
bManditory	boolean	1..1	
bEditable	boolean	1..1	
bUnique	boolean	1..1	
bVisable	boolean	1..1	
bMultiple	boolean	1..1	
bImplicit	boolean	1..1	
bHtml	boolean	1..1	
aFormat	AttributeFormatDef	1..1	
aValues	StringList	0..1	

Complex Type: AttributeDefList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	AttributeDef	0..*	

Complex Type: AttributeDefSpecifier

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
Type	IdNameEnumeration	1..1	
Value	IdNameUnion	1..1	

Complex Type: AttributeFormatDef

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
nMaxLen	int	1..1	
nDisplayLen	int	1..1	
sCase	string	1..1	
sTemplate	string	1..1	
sMinValue	string	1..1	
sMaxValue	string	1..1	

Complex Type: Category

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
nId	long	1..1	
nType	long	1..1	
sName	string	1..1	
sDescription	string	0..1	
sDisplayName	string	1..1	

Complex Type: CategoryAssign

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
nCategoryId	long	0..1	
sDisplayName	string	0..1	

Complex Type: CategoryList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	Category	0..*	

Complex Type: CategoryReq

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sName	string	1..1	
sDescription	string	0..1	
nParentCategoryId	long	1..1	

Complex Type: ClassDef

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
nId	int	1..1	
sName	string	1..1	

Complex Type: ClassDefEx

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
nId	int	1..1	
sName	string	1..1	
nDescriptionAttrId	int	1..1	
nTitleAttrId	int	1..1	
nType	int	1..1	

Complex Type: ClassDefExList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	ClassDefEx	0..*	

Complex Type: ClassDefInfo

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
nId	int	1..1	
sName	string	1..1	
nDescriptionAttrId	int	1..1	
nTitleAttrId	int	1..1	
nType	int	1..1	

Complex Type: ClassDefList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	ClassDef	0..*	

Complex Type: ClassSpecifier

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
Type	IdNameEnumeration	1..1	
Value	IdNameUnion	1..1	

Complex Type: CmdStatus

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
status	int	1..1	
msgs	StatusMessageList	0..1	

Complex Type: CollectionEx

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
nId	int	1..1	
sType	string	1..1	
sName	string	1..1	
bDocument	boolean	1..1	
bBaseline	boolean	1..1	
sURL	string	1..1	

Complex Type: CollectionEx2

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
nId	int	1..1	
sType	string	1..1	
sName	string	1..1	
bDocument	boolean	1..1	
bBaseline	boolean	1..1	
transferRules	CollectionTransferRules	1..1	

Complex Type: CollectionEx2List

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	CollectionEx2	0..*	

Complex Type: CollectionExList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	CollectionEx	0..*	

Complex Type: CollectionInfo

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
nId	int	1..1	
sType	string	1..1	
sName	string	1..1	
bDocument	boolean	1..1	
bBaseline	boolean	1..1	
transferRules	CollectionTransferRules	1..1	

Complex Type: CollectionList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	string	0..*	

Complex Type: CollectionSpecifier

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
Type	IdNameEnumeration	1..1	
Value	IdNameUnion	1..1	

Complex Type: CollectionTransferRules

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
bTransferToChild	boolean	1..1	
bDeleteFromParent	boolean	1..1	
bTransferBackToParent	boolean	1..1	

Complex Type: CollectionTransferRulesEx

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
bTransferToChild	boolean	0..1	
bDeleteFromParent	boolean	0..1	
bTransferBackToParent	boolean	0..1	
bObjectsAddOrRemove	boolean	0..1	

Complex Type: CommandStatus

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
nStatusCode	int	1..1	
sMessage	string	0..1	

Complex Type: CreateCollectionEx

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sName	string	1..1	
sDescription	string	0..1	
transferRules	CollectionTransferRulesEx	0..1	

Complex Type: CreateRMDocumentExResult

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
info	RtmDocumentProperties	1..1	
status	CommandStatus	1..1	

Complex Type: CreateRtmDocumentResult

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
info	RtmDocumentProperties	1..1	
status	CommandStatus	1..1	

Complex Type: DatabaseList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	string	0..*	

Complex Type: DocumentObject

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
iid	int	1..1	
objectId	int	1..1	
classId	int	1..1	

Complex Type: DocumentsFilter

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sCreatedBy	string	0..1	
sModifiedBy	string	0..1	
sOwner	string	0..1	
nCreateTime	dateTime	0..1	
nCreateTimeAfter	dateTime	0..1	
nCreateTimeBefore	dateTime	0..1	
nModifiedTime	dateTime	0..1	
nModifiedTimeAfter	dateTime	0..1	
nModifiedTimeBefore	dateTime	0..1	
bIsBeforeAndAfterIncludeSpecifiedTime	boolean	0..1	
sCategory	string	0..1	
bIncludeSubCategories	boolean	0..1	

Complex Type: ECPObjInfo

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
classId	int	0..1	
className	string	0..1	
PUID	string	0..1	
objectId	int	0..1	

Complex Type: ECPsObjectInfo

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
iECPsClassId	int	1..1	
iECPsObjectId	int	1..1	

Complex Type: FileAttachment

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sFullPath	string	0..1	
sFilename	string	1..1	
nModifiedTime	dateTime	0..1	
nChecksum	long	0..1	
encodedContents	base64Binary	0..1	

Complex Type: FindRequirementOut

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
aAttrList	NameValueList	1..1	

Complex Type: FormatDef

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
nMaxLen	int	1..1	
nDisplayLen	int	1..1	
sCase	string	0..1	
sTemplate	string	0..1	
sMinValue	string	0..1	
sMaxValue	string	0..1	

Complex Type: getAsyncAppendRtmDocStatusResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
info	RtmDocumentProperties	1..1	
status	CmdStatus	1..1	

Complex Type: getAsyncCreateRtmDocStatusResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
info	RtmDocumentProperties	1..1	
status	CmdStatus	1..1	

Complex Type: getAsyncQueryRtmDocResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sCmdToken	string	1..1	
rtmDoc	RtmDocument	1..1	
status	CmdStatus	1..1	

Complex Type: getAsyncQueryRtmDocumentStatusResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
rtmDoc	RtmDocument	1..1	
status	CmdStatus	1..1	

Complex Type: getAsyncReplaceRtmDocStatusResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
info	RtmDocumentProperties	1..1	
status	CmdStatus	1..1	

Complex Type: getAsyncStatusResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
status	CmdStatus	1..1	

Complex Type: GetAttributeDefInfoReply

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attributeDefInfo	AttributeDefInfo	1..1	

Complex Type: GetAttributeDefInfoRequest

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sessionId	string	1..1	
classSpecifier	ClassSpecifier	1..1	
attributeDefSpecifier	AttributeDefSpecifier	1..1	

Complex Type: GetClassDefInfoReply

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
classDefInfo	ClassDefInfo	1..1	

Complex Type: GetClassDefInfoRequest

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sessionId	string	1..1	
classSpecifier	ClassSpecifier	1..1	

Complex Type: GetCollectionInfoReply

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
collectionInfo	CollectionInfo	1..1	

Complex Type: GetCollectionInfoRequest

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sessionId	string	1..1	
collectionSpecifier	CollectionSpecifier	1..1	

Complex Type: GetProjectInfoReply

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
projectInfo	ProjectInfo	1..1	

Complex Type: GetProjectInfoRequest

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
projectSpecifier	ProjectSpecifier	1..1	
sUserId	string	1..1	
sPassword	string	1..1	
sDatabase	string	1..1	

Complex Type: IdList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	int	0..*	

Complex Type: Link

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sPrimaryClassName	string	1..1	
nPrimaryObjectId	int	1..1	
sPrimaryPUID	string	1..1	
sSecondaryClassName	string	1..1	
nSecondaryObjectId	int	1..1	
sSecondaryPUID	string	1..1	
sRelationName	string	1..1	
nRelationId	int	1..1	
sRelationStatus	string	0..1	

Complex Type: LinkClassDef

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
nId	int	1..1	
sName	string	1..1	
sRelationName	string	1..1	

Complex Type: LinkClassDefList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	LinkClassDef	0..*	

Complex Type: LinkList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	Link	0..*	

Complex Type: LoginExResultInfo

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sessionId	string	1..1	
bIsAdmin	boolean	1..1	

Complex Type: NameValue

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sName	string	1..1	
sValue	string	0..1	

Complex Type: NameValueList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	NameValue	0..*	

Complex Type: ns-chapterDetails

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sName	string	1..1	
sDescription	string	0..1	

Complex Type: Object

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sClassName	string	1..1	
nObjectId	long	1..1	
sReason	string	0..1	

Complex Type: ObjectDef

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sClassName	string	1..1	
nObjectId	int	1..1	

Complex Type: ObjectDetails

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
nObjectId	int	1..1	
sPUID	string	1..1	
sRelationStatus	string	0..1	
ObjAttrs	NameValueList	0..1	

Complex Type: ObjectDetailsList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	ObjectDetails	0..*	

Complex Type: ObjectsList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	Object	0..*	

Complex Type: ProjectEx

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
nId	int	1..1	
sName	string	1..1	
sDescription	string	0..1	
bLockStatus	boolean	1..1	
sVersion	string	0..1	
bAssociatedCM	boolean	1..1	

Complex Type: ProjectExList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	ProjectEx	0..*	

Complex Type: ProjectInfo

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
nId	int	1..1	
sName	string	1..1	
sDescription	string	1..1	
bLockStatus	boolean	1..1	
sVersion	string	1..1	
bAssociatedCM	boolean	1..1	

Complex Type: ProjectList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	string	0..*	

Complex Type: ProjectSpecifier

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
Type	IdNameEnumeration	1..1	
Value	IdNameUnion	1..1	

Complex Type: RelationList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	RelationWithObjects	0..*	

Complex Type: RelationWithObjects

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
nRelationType	int	1..1	
nRelationId	int	1..1	
sRelationName	string	1..1	
ObjList	ObjectDetailsList	0..1	

Complex Type: removeObjectFromCollectionResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
status	cmdStatusCode	1..1	

Complex Type: ReplaceRequirementList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	ReplaceRequirementOut	0..*	

Complex Type: ReplaceRequirementOut

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
obj	RequirementOut	1..1	
eStatus	reqStatusCode	1..1	

Complex Type: Report

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sCategoryName	string	1..1	
sReportName	string	1..1	

Complex Type: Requirement

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sPUID	string	0..1	
sClassName	string	0..1	
sDescription	string	0..1	
sCreatedBy	string	0..1	
sModifiedBy	string	0..1	
nCreateTime	dateTime	0..1	
nModifiedTime	dateTime	0..1	
sTitle	string	0..1	
nObjectId	int	0..1	
aAttrList	NameValueList	0..1	

Complex Type: RequirementFindList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	FindRequirementOut	0..*	

Complex Type: RequirementIdentifier

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sPUID	string	0..1	
sClassName	string	1..1	
nObjectId	int	0..1	

Complex Type: RequirementIdentifierList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	RequirementIdentifier	0..*	

Complex Type: RequirementList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	RequirementOut	0..*	

Complex Type: RequirementOut

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sPUID	string	1..1	
sClassName	string	1..1	
sDescription	string	0..1	
sCreatedBy	string	1..1	
sModifiedBy	string	1..1	
nCreateTime	dateTime	1..1	
nModifiedTime	dateTime	1..1	
sTitle	string	1..1	
nObjectId	int	1..1	
nObjectVersionId	int	1..1	
sURL	string	0..1	
aAttrList	NameValueList	0..1	

Complex Type: Result

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
nStatusCode	int	1..1	
sMessage	string	0..1	

Complex Type: RtmDocSnaphotOutList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	RtmDocSnapshotOut	0..*	

Complex Type: RtmDocSnapshot

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sName	string	1..1	
nDocumentId	int	1..1	

Complex Type: RtmDocSnapshotOut

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
nId	int	1..1	
sName	string	1..1	
nDocumentId	int	1..1	
sUrl	string	1..1	

Complex Type: RtmDocument

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
info	RtmDocumentProperties	1..1	
sContent	string	0..1	

Complex Type: RtmDocumentList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	RtmDocumentProperties	0..*	

Complex Type: RtmDocumentProperties

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
nId	int	0..1	
sName	string	1..1	
sURL	string	0..1	

Complex Type: RtmDocumentWithCategory

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
info	RtmDocumentProperties	1..1	
sContent	string	0..1	
categoryInfo	CategoryAssign	0..1	

Complex Type: runTestAsyncInputData

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
reflectInt	int	1..1	
sReflectString	string	0..1	
logInterval	int	1..1	
timeSpan	int	1..1	
createFailure	int	1..1	

Complex Type: runTestAsyncResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sCmdToken	string	0..1	
data	runTestAsyncResponseData	1..1	
status	CmdStatus	1..1	

Complex Type: runTestAsyncResponseData

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
reflectInt	int	1..1	
sReflectString	string	0..1	
times56	int	1..1	

Complex Type: Script

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sScriptText	string	0..1	
anSavedReport	Report	0..1	
anRunTimeParameters	NameValueList	0..1	

Complex Type: SearchRequirement

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sTitle	string	0..1	
sDescription	string	0..1	
nCreateTime	dateTime	0..1	
nModifiedTime	dateTime	0..1	
aAttrList	NameValueList	0..1	

Complex Type: StatusMessage

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
msgId	int	1..1	
level	int	1..1	
parms	StringList	0..1	

Complex Type: StatusMessageList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	StatusMessage	0..*	

Complex Type: StringList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	string	0..*	

Complex Type: SyncXrefLink

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sForeignId	string	0..1	
nRMClassId	int	0..1	
sRMPUID	string	0..1	
sForeignToolName	string	1..1	

Complex Type: SyncXrefLinkList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	SyncXrefLink	0..*	

Complex Type: SystemInfo

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sDBCharSet	string	0..1	
sClientCharSet	string	0..1	
sRMMinorVersion	string	0..1	
sRMMajorVersion	string	0..1	
sRMAdminMajor	string	0..1	
sRMAdminMinor	string	0..1	
sOperatingSystem	string	0..1	
sOperatingSystemVersion	string	0..1	
sDatabase	string	0..1	
sDatabaseVersion	string	0..1	

Complex Type: Template

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
nId	int	0..1	
sName	string	1..1	
sFileName	string	0..1	
sDescription	string	0..1	
sCreatedBy	string	0..1	
sModifiedBy	string	0..1	
nLastModified	dateTime	0..1	

Complex Type: TemplateList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	Template	0..*	

Complex Type: testAsyncStatusResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
data	runTestAsyncResponseData	1..1	
status	CmdStatus	1..1	

Simple Types: rtmService

Simple Types

Name	Description
cmdStatusCode	
IdNameEnumeration	
IdNameUnion	
reqStatusCode	
statusCode	

Simple Type: cmdStatusCode

Derived By

Restricting string

Enumeration

Value	Description
SUCCESS	
FAILURE	
COLLECTION-NOT-FOUND	

Simple Type: IdNameEnumeration

Derived By

Restricting string

Enumeration

Value	Description
ID	
NAME	

Simple Type: IdNameUnion

Derived By

Restricting string

Simple Type: reqStatusCode

Derived By

Restricting string

Enumeration

Value	Description
eCREATED	
eREPLACED	
eUPDATED	
eNOCHANGE	

Simple Type: statusCode

Derived By

Restricting string

Enumeration

Value	Description
STARTING	
ACTIVE	
FINISHED	
ERR	
NOT-FOUND	

rtmAdminService Web Service

Description

gSOAP 2.7.12 generated service definition

See Also

- Methods
- Complex Types

Methods: rtmAdminService

Methods

Name	Description
AssignCategoryToGroup	Assign category access to the group
AssignGroupToProject	Assign group to the project
AssignUserToGroup	Assign user to the group
AssignUserToProject	Assign user to the project
CreateGroup	Create a new group
CreateUser	Create a new user
DeleteGroup	Delete a group
DeleteUser	Delete a user
GetGroupInfo	Get information about group
GetGroups	Get list of groups
GetUserInfo	Get information about user
GetUsers	Get list of all users
GrantPermissionToGroup	Grant permission to group for some action
GrantPermissionToUser	Grant permission to user for some action
InheritPermissionForUser	Inherit permission to user for some action
RevokePermissionFromGroup	Revoke permission from user for some action
RevokePermissionFromUser	Revoke permission from user for some action
UnassignCategoryFromGroup	Un-assign category from the group
UnassignGroupFromProject	Un-assign group from the project
UnassignUserFromGroup	Un-assign user from the group
UnassignUserFromProject	Un-assign user from the project
UpdateUser	Update user information and account properties

Method: AssignCategoryToGroup

Description

Assign category access to the group

Style

Document

Input (Literal)

The input of this method is the argument AssignCategoryToGroup having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sGroupName	string	1..1	
sProjectName	string	1..1	
sCategoryName	string	1..1	
bIncludeSubcategories	boolean	0..1	

Output (Literal)

The output of this method is the argument Result having the structure defined by the following table.

Name	Type	Occurs	Description
nStatusCode	int	1..1	
sMessage	string	0..1	

Example of usage:

```
<urn:AssignCategoryToGroup>
        <sessionId>1</sessionId>
        <sGroupName>read</sGroupName>
        <sProjectName>RMDEMO</sProjectName>
        <sCategoryName>RMDEMO/Functional</sCategoryName>
        <bIncludeSubcategories>true</bIncludeSubcategories>
    </urn:AssignCategoryToGroup>
```

Method: AssignGroupToProject

Description

Assign group to the project

Style

Document

Input (Literal)

The input of this method is the argument AssignGroupToProject having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sGroupName	string	1..1	
sProjectName	string	1..1	
bForceUserAssignment	boolean	0..1	

Output (Literal)

The output of this method is the argument Result having the structure defined by the following table.

Name	Type	Occurs	Description
nStatusCode	int	1..1	
sMessage	string	0..1	

Example of usage:

```
<urn:AssignGroupToProject>
    <sessionId>1</sessionId>
    <sGroupName>test1</sGroupName>
    <sProjectName>RMDEMO</sProjectName>
</urn:AssignGroupToProject>
```

Method: AssignUserToGroup

Description

Assign user to the group

Style

Document

Input (Literal)

The input of this method is the argument AssignUserToGroup having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sUserName	string	1..1	
sGroupName	string	1..1	

Output (Literal)

The output of this method is the argument Result having the structure defined by the following table.

Name	Type	Occurs	Description
nStatusCode	int	1..1	
sMessage	string	0..1	

Example of usage:

```
<urn:AssignUserToGroup>
        <sessionId>1</sessionId>
        <sUserName>ephoto</sUserName>
        <sGroupName>read</sGroupName>
 </urn:AssignUserToGroup>
```

Method: AssignUserToProject

Description

Assign user to the project

Style

Document

Input (Literal)

The input of this method is the argument AssignUserToProject having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sUserName	string	1..1	
sGroupName	string	1..1	
sProjectName	string	1..1	

Output (Literal)

The output of this method is the argument Result having the structure defined by the following table.

Name	Type	Occurs	Description
nStatusCode	int	1..1	
sMessage	string	0..1	

Example of usage:

```
<urn:AssignUserToProject>
        <sessionId>1</sessionId>
        <sUserName>nata</sUserName>
        <sGroupName>test1</sGroupName>
        <sProjectName>RMDEMO</sProjectName>
</urn:AssignUserToProject>
```

Method: CreateGroup

Description

Create a new group

Style

Document

Input (Literal)

The input of this method is the argument CreateGroup having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sGroupName	string	1..1	
anGroupInfo	GroupInfo	0..1	

Output (Literal)

The output of this method is the argument Result having the structure defined by the following table.

Name	Type	Occurs	Description
nStatusCode	int	1..1	
sMessage	string	0..1	

Example of usage:

```
<urn:CreateGroup>
        <sessionId>1</sessionId>
        <sGroupName>read</sGroupName>
        <anGroupInfo>
            <sDescription>Some description</sDescription>
        </anGroupInfo>
    </urn:CreateGroup>
```

Method: CreateUser

Description

Create a new user

Style

Document

Input (Literal)

The input of this method is the argument CreateUser having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sUserName	string	1..1	
sPassword	string	0..1	
anUserInfo	UserInfo	0..1	

Output (Literal)

The output of this method is the argument Result having the structure defined by the following table.

Name	Type	Occurs	Description
nStatusCode	int	1..1	
sMessage	string	0..1	

Example of usage:

```
<urn:CreateUser>
        <sessionId>1</sessionId>
        <sUserName>Teddy</sUserName>
       <sPassword>nice</sPassword>
        <anUserInfo>
            <bPwdNeverExpires>true</bPwdNeverExpires>
         </anUserInfo>
     </urn:CreateUser>
```

Method: DeleteGroup

Description

Delete a group

Style

Document

Input (Literal)

The input of this method is the argument DeleteGroup having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sGroupName	string	1..1	

Output (Literal)

The output of this method is the argument Result having the structure defined by the following table.

Name	Type	Occurs	Description
nStatusCode	int	1..1	
sMessage	string	0..1	

Example of usage:

```
<urn:DeleteGroup>
        <sessionId>1</sessionId>
        <sGroupName>TestGroup</sGroupName>
    </urn:DeleteGroup>
```

Method: DeleteUser

Description

Delete a user

Style

Document

Input (Literal)

The input of this method is the argument DeleteUser having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sUserName	string	1..1	

Output (Literal)

The output of this method is the argument Result having the structure defined by the following table.

Name	Type	Occurs	Description
nStatusCode	int	1..1	
sMessage	string	0..1	

Example of usage:

```
<urn:DeleteUser>
        <sessionId>1</sessionId>
        <sUserName>testUser</sUserName>
    </urn:DeleteUser>
```

Method: GetGroupInfo

Description

Get information about group

Style

Document

Input (Literal)

The input of this method is the argument GetGroupInfo having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sGroupName	string	1..1	

Output (Literal)

The output of this method is the argument GroupDetailInfo having the structure defined by the following table.

Name	Type	Occurs	Description
sGroupName	string	0..1	
anGroupInfo	GroupInfo	1..1	
aProjects	StringList	1..1	
aUsers	StringList	1..1	

Example of usage:

```
<urn:GetGroupInfo>
        <sessionId>1</sessionId>
        <sGroupName>Administrators</sGroupName>
    </urn:GetGroupInfo>
```

Method: GetGroups

Description

Get list of groups

Style

Document

Input (Literal)

The input of this method is the argument GetGroups having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	

Output (Literal)

The output of this method is the argument GetGroupsResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	GroupList	1..1	

Example of usage:

```
<urn:GetGroups>
        <sessionId>1</sessionId>
</urn:GetGroups>
```

Method: GetUserInfo

Description

Get information about user

Style

Document

Input (Literal)

The input of this method is the argument GetUserInfo having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sUserName	string	1..1	
bIncludeAdditionalInfo	boolean	0..1	
bIncludeGroups	boolean	0..1	
bIncludeProjects	boolean	0..1	

Output (Literal)

The output of this method is the argument GetUserInfoResponse having the structure defined by the following table.

Name	Type	Occurs	Description
sUserName	string	0..1	
sUserLoginType	string	0..1	
sFirstName	string	0..1	
sLastName	string	0..1	
sEmail	string	0..1	
bAccountDisabled	boolean	1..1	
anAdditionalUserInfo	AdditionalUserInfo	0..1	
aGroups	StringList	0..1	
aProjects	NameValueList	0..1	

Example of usage:

```
<urn:GetUserInfo>
        <sessionId>1</sessionId>
        <sUserName>bill</sUserName>
        <bIncludeAdditionalInfo>false</bIncludeAdditionalInfo>
        <bIncludeProjects>true</bIncludeProjects>
    </urn:GetUserInfo>
```

Method: GetUsers

Description

Get list of all users

Style

Document

Input (Literal)

The input of this method is the argument GetUsers having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sGroupName	string	0..1	
sProjectName	string	0..1	
bIncludeAdditionalInfo	boolean	0..1	

Output (Literal)

The output of this method is the argument GetUsersResponse having the structure defined by the following table.

Name	Type	Occurs	Description
result	UserList	1..1	

Example of usage:

```
<urn:GetUsers>
        <sessionId>1</sessionId>
        <sGroupName></sGroupName> -- optional, if set then will be returned all users from this group
        <sProjectName></sProjectName> -- optional, is set then will be returned all users assigned to this project
        <bIncludeAdditionalInfo>false</bIncludeAdditionalInfo>
    </urn:GetUsers>
```

Method: GrantPermissionToGroup

Description

Grant permission to group for some action

Style

Document

Input (Literal)

The input of this method is the argument GrantPermissionToGroup having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sGroupName	string	1..1	
sProjectName	string	1..1	
sResource	string	1..1	
sAction	string	1..1	
sObject	string	0..1	

Output (Literal)

The output of this method is the argument Result having the structure defined by the following table.

Name	Type	Occurs	Description
nStatusCode	int	1..1	
sMessage	string	0..1	

Example of usage:

```
<urn:GrantPermissionToGroup>
        <sessionId>1</sessionId>
        <sGroupName>read</sGroupName>
        <sProjectName>RMDEMO</sProjectName>
        <sResource>Categories</sResource>
        <sAction>FullAccess</sAction>
    </urn:GrantPermissionToGroup>
```

Method: GrantPermissionToUser

Description

Grant permission to user for some action

Style

Document

Input (Literal)

The input of this method is the argument GrantPermissionToUser having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sUserName	string	1..1	
sProjectName	string	1..1	
sResource	string	1..1	
sAction	string	1..1	
sObject	string	0..1	

Output (Literal)

The output of this method is the argument Result having the structure defined by the following table.

Name	Type	Occurs	Description
nStatusCode	int	1..1	
sMessage	string	0..1	

Example of usage:

```
<urn:GrantPermissionToUser>
        <sessionId>1</sessionId>
        <sUserName>nata</sUserName>
        <sProjectName>RMDEMO</sProjectName>
        <sResource>Classes</sResource>
        <sAction>Create</sAction>
       <sObject>Marketing_Requirements</sObject>
     </urn:GrantPermissionToUser>
```

Method: InheritPermissionForUser

Description

Inherit permission to user for some action

Style

Document

Input (Literal)

The input of this method is the argument InheritPermissionForUser having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sUserName	string	1..1	
sProjectName	string	1..1	
sResource	string	1..1	
sAction	string	1..1	
sObject	string	0..1	

Output (Literal)

The output of this method is the argument Result having the structure defined by the following table.

Name	Type	Occurs	Description
nStatusCode	int	1..1	
sMessage	string	0..1	

Example of usage:

```
<urn:InheritPermissionForUser>
        <sessionId>1</sessionId>
        <sUserName>ephoto</sUserName>
        <sProjectName>RMDEMO</sProjectName>
        <sResource>Attributes</sResource>
        <sAction>Update</sAction>
    </urn:InheritPermissionForUser>
```

Method: RevokePermissionFromGroup

Description

Revoke permission from group for some action

Style

Document

Input (Literal)

The input of this method is the argument RevokePermissionFromGroup having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sGroupName	string	1..1	
sProjectName	string	1..1	
sResource	string	1..1	
sAction	string	1..1	
sObject	string	0..1	

Output (Literal)

The output of this method is the argument Result having the structure defined by the following table.

Name	Type	Occurs	Description
nStatusCode	int	1..1	
sMessage	string	0..1	

Example of usage:

```
<urn:RevokePermissionFromGroup>
    <sessionId>1</sessionId>
    <sGroupName>read</sGroupName>
    <sProjectName>RMDEMO</sProjectName>
    <sResource>Categories</sResource>
    <sAction>FullAccess</sAction>
</urn:RevokePermissionFromGroup>
```

Method: RevokePermissionFromUser

Description

Revoke permission from user for some action

Style

Document

Input (Literal)

The input of this method is the argument RevokePermissionFromUser having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sUserName	string	1..1	
sProjectName	string	1..1	
sResource	string	1..1	
sAction	string	1..1	
sObject	string	0..1	

Output (Literal)

The output of this method is the argument Result having the structure defined by the following table.

Name	Type	Occurs	Description
nStatusCode	int	1..1	
sMessage	string	0..1	

Example of usage:

```
<urn:RevokePermissionFromUser>
    <sessionId>1</sessionId>
      <sUserName>nata</sUserName>
      <sProjectName>RMDEMO</sProjectName>
      <sResource>Classes</sResource>
      <sAction>Create</sAction>
      <sObject>Marketing_Requirements</sObject>
  </urn:RevokePermissionFromUser>
```

Method: UnassignCategoryFromGroup

Description

Un-assign category from the group

Style

Document

Input (Literal)

The input of this method is the argument UnassignCategoryFromGroup having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sGroupName	string	1..1	
sProjectName	string	1..1	
sCategoryName	string	1..1	
bIncludeSubcategories	boolean	0..1	

Output (Literal)

The output of this method is the argument Result having the structure defined by the following table.

Name	Type	Occurs	Description
nStatusCode	int	1..1	
sMessage	string	0..1	

Example of usage:

```
<urn:UnassignCategoryFromGroup>
    <sessionId>1</sessionId>
    <sGroupName>read</sGroupName>
    <sProjectName>RMDEMO</sProjectName>
    <sCategoryName>Functional</sCategoryName>
     <bIncludeSubcategories>true</bIncludeSubcategories>
  </urn:UnassignCategoryFromGroup>
```

Method: UnassignGroupFromProject

Description

Un-assign group from the project

Style

Document

Input (Literal)

The input of this method is the argument UnassignGroupFromProject having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sGroupName	string	1..1	
sProjectName	string	1..1	

Output (Literal)

The output of this method is the argument Result having the structure defined by the following table.

Name	Type	Occurs	Description
nStatusCode	int	1..1	
sMessage	string	0..1	

Example of usage:

```
<urn:UnassignGroupFromProject>
        <sessionId>1</sessionId>
        <sGroupName>read</sGroupName>
        <sProjectName>RMDEMO</sProjectName>
    </urn:UnassignGroupFromProject>
```

Method: UnassignUserFromGroup

Description

Un-assign user from the group

Style

Document

Input (Literal)

The input of this method is the argument UnassignUserFromGroup having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sUserName	string	1..1	
sGroupName	string	1..1	

Output (Literal)

The output of this method is the argument Result having the structure defined by the following table.

Name	Type	Occurs	Description
nStatusCode	int	1..1	
sMessage	string	0..1	

Example of usage:

```
<urn:UnassignUserFromGroup>
    <sessionId>1</sessionId>
    <sUserName>qa</sUserName>
    <sGroupName>group</sGroupName>
</urn:UnassignUserFromGroup>
```

Method: UnassignUserFromProject

Description

Un-assign user from the project

Style

Document

Input (Literal)

The input of this method is the argument UnassignUserFromProject having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sUserName	string	1..1	
sGroupName	string	1..1	
sProjectName	string	1..1	

Output (Literal)

The output of this method is the argument Result having the structure defined by the following table.

Name	Type	Occurs	Description
nStatusCode	int	1..1	
sMessage	string	0..1	

Example of usage:

```
<urn:UnassignUserFromProject>
        <sessionId>1</sessionId>
        <sUserName>qa</sUserName>
        <sGroupName>TEST</sGroupName>
        <sProjectName>RMDEMO</sProjectName>
    </urn:UnassignUserFromProject>
```

Method: UpdateUser

Description

Update user information and account properties

Style

Document

Input (Literal)

The input of this method is the argument UpdateUser having the structure defined by the following table.

Name	Type	Occurs	Description
sessionId	string	1..1	
sUserName	string	1..1	
sPassword	string	0..1	
anUserInfo	UserInfo	0..1	

Output (Literal)

The output of this method is the argument Result having the structure defined by the following table.

Name	Type	Occurs	Description
nStatusCode	int	1..1	
sMessage	string	0..1	

Example of usage:

```
<urn:UpdateUser>
        <sessionId>1</sessionId>
        <sUserName>admin</sUserName>
        <anUserInfo>
          <sPhone>123543324</sPhone>
          <sEmail>test@email.com</sEmail>
        </anUserInfo>
      </urn:UpdateUser>
```

Complex Types: rtmAdminService

Complex Types

Name	Description
AdditionalUserInfo	
Group	
GroupInfo	
GroupList	
IdList	
NameValue	
NameValueList	
StringList	
User	
UserInfo	
UserList	

Complex Type: AdditionalUserInfo

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sPhone	string	0..1	
sFax	string	0..1	
sPager	string	0..1	
sLocation	string	0..1	
sMobilePhone	string	0..1	
bChangePwdOnLogin	boolean	1..1	
bCanNotChangePwd	boolean	1..1	
bPwdNeverExpires	boolean	1..1	

Complex Type: Group

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sGroupName	string	0..1	
aProjects	StringList	1..1	

Complex Type: GroupInfo

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sDescription	string	0..1	

Complex Type: GroupList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	Group	0..*	

Complex Type: IdList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	int	0..*	

Complex Type: NameValue

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sName	string	1..1	
sValue	string	0..1	

Complex Type: NameValueList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	NameValue	0..*	

Complex Type: StringList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	string	0..*	

Complex Type: User

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sUserName	string	0..1	
sUserLoginType	string	0..1	
sFirstName	string	0..1	
sLastName	string	0..1	
sEmail	string	0..1	
bAccountDisabled	boolean	1..1	
anAdditionalUserInfo	AdditionalUserInfo	0..1	

Complex Type: UserInfo

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sFirstName	string	0..1	
sLastName	string	0..1	
sPhone	string	0..1	
sFax	string	0..1	
sEmail	string	0..1	
sPager	string	0..1	
sLocation	string	0..1	
sMobilePhone	string	0..1	
bChangePwdOnLogin	boolean	0..1	
bCanNotChangePwd	boolean	0..1	
bPwdNeverExpires	boolean	0..1	
bAccountDisabled	boolean	0..1	

Complex Type: UserList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
item	User	0..*	