

Duet Enterprise – Uploading and Accessing SAP DMS Documents in a Starter Services Workspace



Applies to:

Duet Enterprise 1.0. For more information, visit the [Portal and Collaboration homepage](#).

Summary

This paper gives an overview of the basic integrated functionality within Duet Enterprise Starter Services with SAP Document Management. This out of the box functionality allows a user to upload and download SAP Document Management Documents into an entity workspace. Also included is an overview of the configuration requirements to enable this.

SAP DMS document functionality is specific to the Customer, Product, Inquiry and Quotations sites within the out-of-the-box Duet Enterprise Starter Services only. To enable this functionality for other applications, custom development is required using the Duet Enterprise platform.

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Accessing DMS Documents in Duet Enterprise Starter Services

Duet Enterprise provides out-of-the-box SAP DMS document functionality for the Starter Services Application. Functionality for Customers, Products, Inquiries and Quotations include:

- Uploading a document into the SAP Document Management System through SharePoint within the entity workspace
- Downloading an existing document into the SAP Document Management System through SharePoint within the entity workspace
- Deleting an existing document from the SAP Document Management System through SharePoint within the entity workspace

In order for this functionality to be available, the following assumptions are made:

- 1) SAP DMS has been configured in the SAP Backend system (this is outside of Duet Enterprise)
- 2) Duet Enterprise Starter Services templates must be deployed and configured as required in the Duet Enterprise Service Consumption Layer based on the SAP Duet Enterprise Deployment Guide available on the SAP Service Marketplace.
- 3) Duet Enterprise installation and configuration is complete and the users have the correct authorizations to access the DMS documents.

Functionality Overview

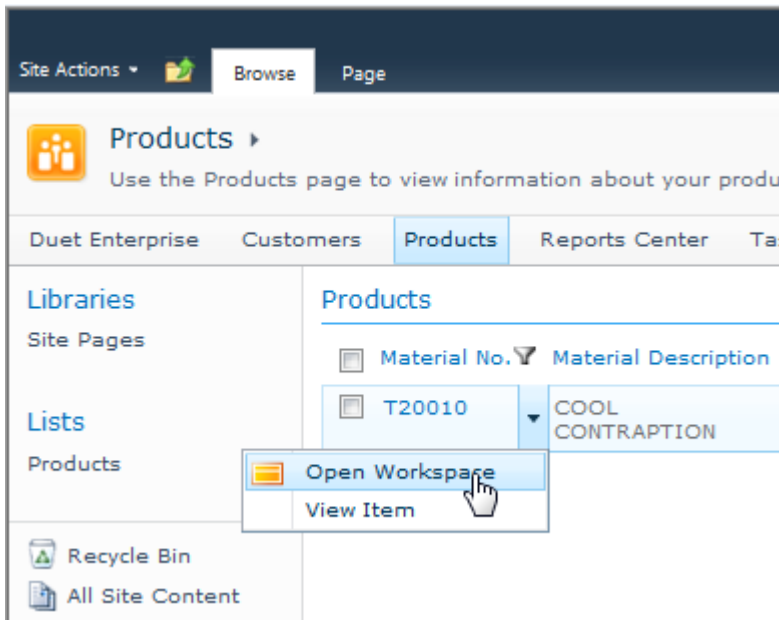
In these examples, the Product Workspace in Starter Services will be used.

Uploading a Document to the SAP Document Management System

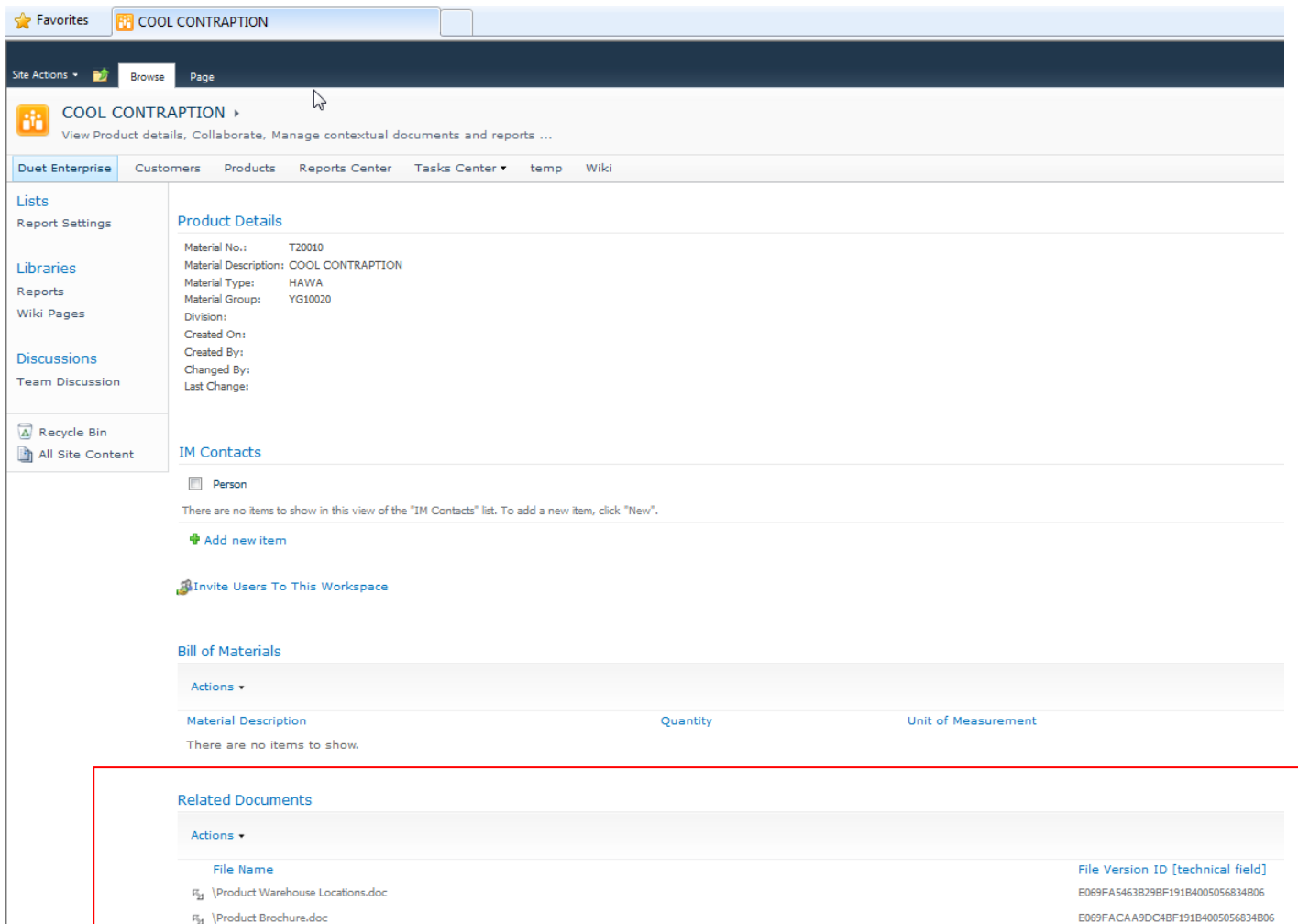
Navigate to the Products site in the Duet Enterprise Site collection

Material No.	Material Description	Base Unit of Measurement	Material Group	Material Type
T20010	COOL CONTRAPTION			

Go to the workspace of the desired Material Number



Within the workspace, you will see a more detailed view of the Product. Within the section “Related Reports”, if SAP Document Management Service documents are linked to this product, you should see them listed. In this example, 2 documents already exist under Related Reports



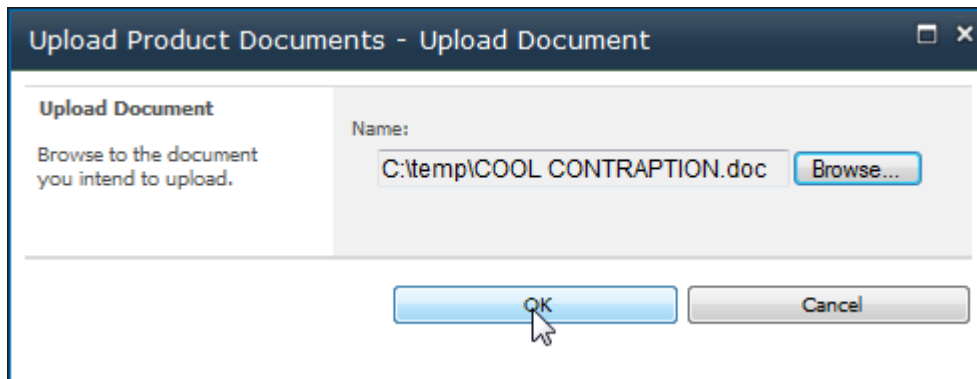
You can upload a document from your desktop or other source within the workspace and this will in turn, create an SAP DMS document in the SAP backend system and will link it to this product.

Click on Upload Document..

 Upload Document

To display data in this web part, select an item in:
Related Documents

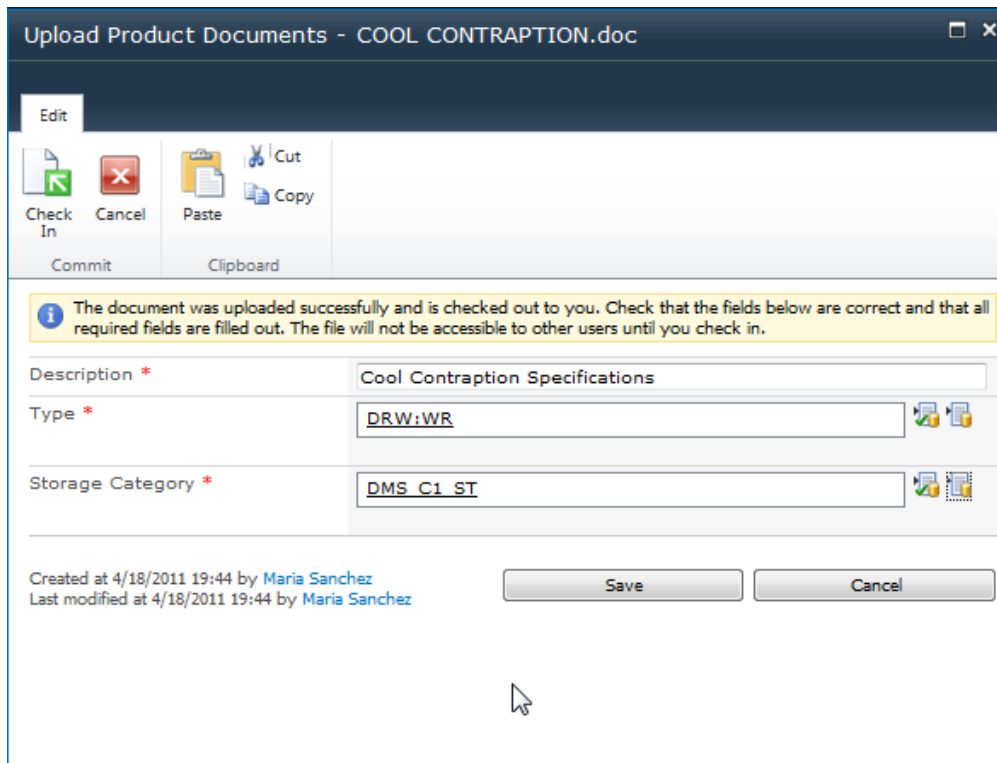
Navigate to the document you would like to add to the SAP DMS for this product and click ok.



The next screen asks for details on how you want to save this document in the SAP DMS.

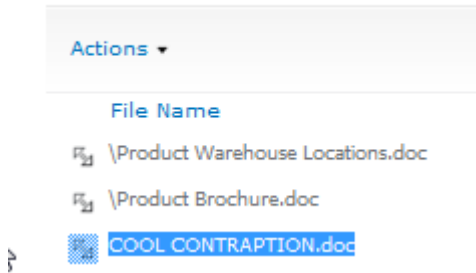
You can search for the available paths for Type and Storage Category by clicking on the right search icon.

Save the Upload details.



Once the product page refreshes, you will see the new document

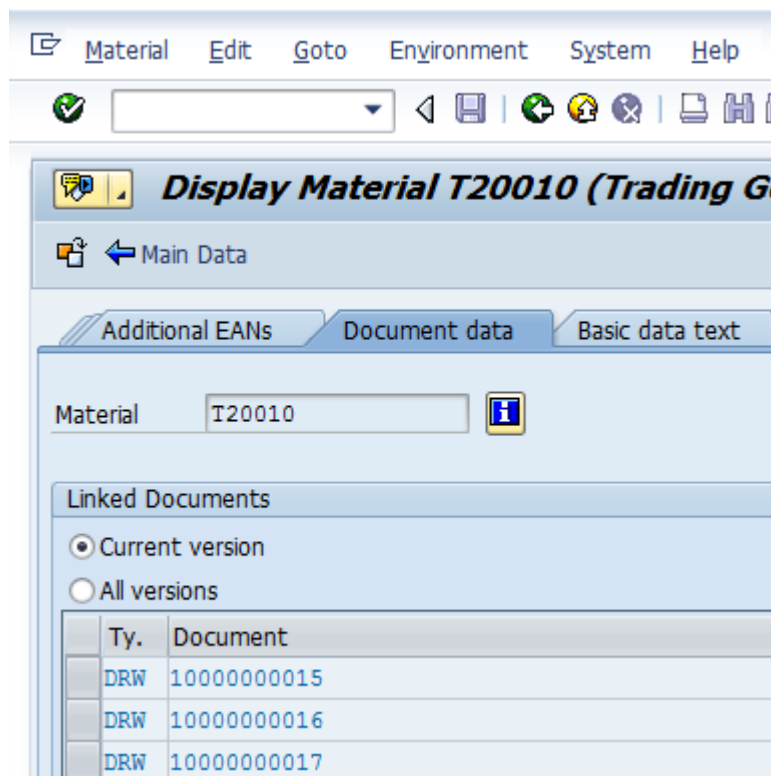
Related Documents



What is actually being performed in the SAP Backend system:

- DMS document is created (for instance, as you would do with transaction CV01N)
- A link to this newly created document is added in transaction MM02, by navigating to the material and under 'Additional Data', tab Document Data.

If you go to the SAP Backend System, you will see a new document listed under Additional Data -> Document data in the Material master in transaction MM03 and you can also navigate to the new Document Information Record by double clicking on the new document.



The screenshot displays the SAP DMS interface for a document titled "Display Document: Basic Data Engin/Des. Drawing (DRW)". The interface includes a menu bar (Document, Edit, Goto, Extras, Environment, Originals, System, Help) and a toolbar with various icons. The document details section shows the following information:

- Document ID: 10000000017
- Part: 000
- Version: 00
- Deletion Flag:
- Document Structure:
- CAD Indicator:
- Hierarchy:

The "Document Data" tab is active, showing the following fields:

- Description:
- Document Status: WR Work Request Not Released
- CM Relevnce:
- User: SANCHEZM Maria Sanchez
- Lab/Office:
- Change Number: Valid From:
- Authorization Group:

The "Superior Document" section shows fields for Document, Type, Part, and Version, all currently empty.

The "Originals" section displays a table with the following data:

Appl.	Application	Storage Cat.	File Name
DOC	Microsoft Word	DMS_C1_ST	COOL CONTRAPTION.doc

Downloading a Document from the SAP DMS from the Duet Enterprise Workspace

To view or download the document from the Product Workspace, check out the document by clicking on the arrow icons on the right hand side of the related document name.

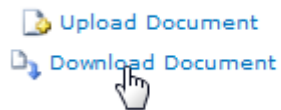
Related Documents

Actions ▾

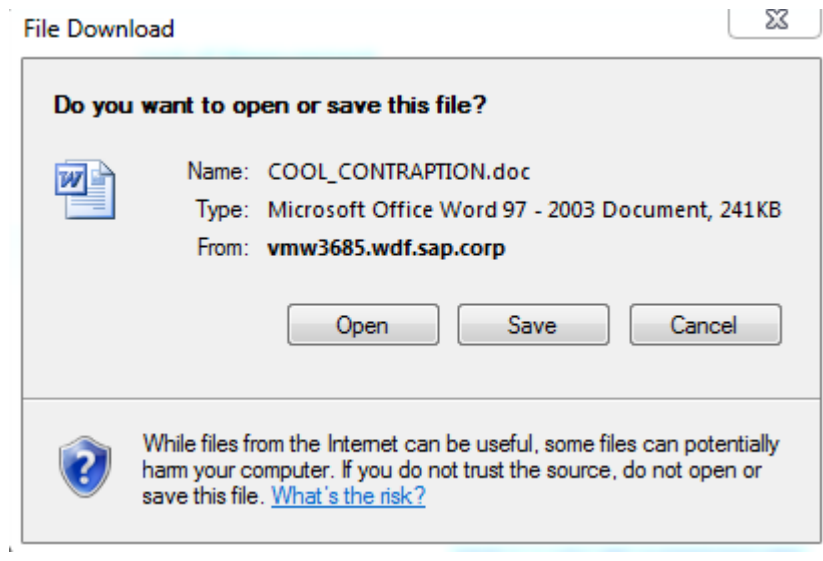
File Name

- \Product Warehouse Locations.doc
- \Product Brochure.doc
- [COOL CONTRAPTION.doc](#)

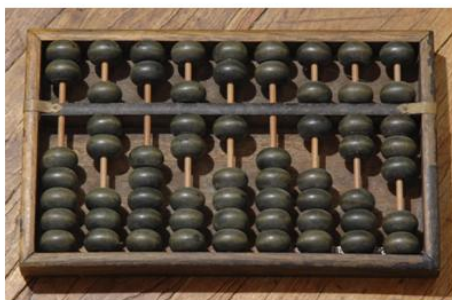
New options will appear below the related documents section and the document link will be highlighted. To view or download the document, choose the Download document option.



You can now open or save the document as required.



COOL CONTRAPTION



Colors

- Black
- Purple

Specs

- FRAME: Wood
- COUNTERS: Wood
- DIMENSIONS: 20cm x 10cm x 2cm
- WEIGHT: 4 lbs

I

Configuration Requirements for SAP DMS Sample Services Integration

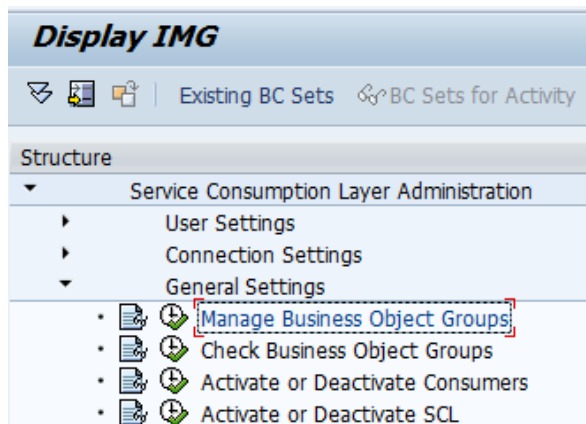
The following items must be in place for this functionality to work:

- 1) The SAP Document Management System configuration must already be in place (independent of Duet Enterprise).
- 2) Duet Enterprise has been installed and configured. Starter Services must be configured in the Service Consumption Layer (Netweaver 7.02) and Starter Services and Portal models must be deployed on SharePoint.
- 3) On the Service Consumption Layer, please refer to the configuration below

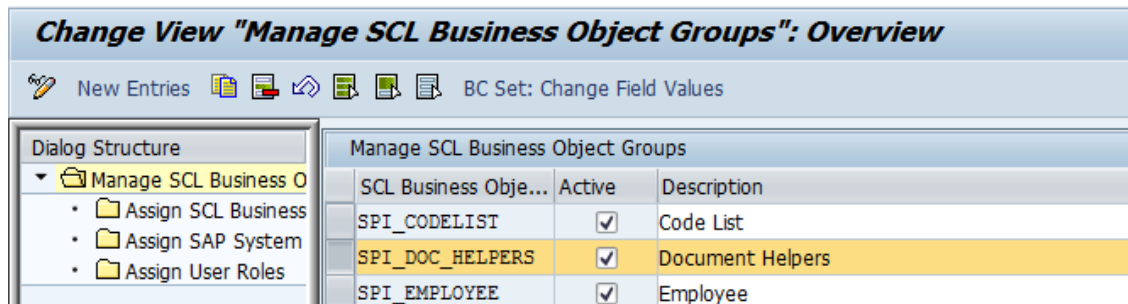
Configuration in the SCL System

Activate BC Set for Starter Services

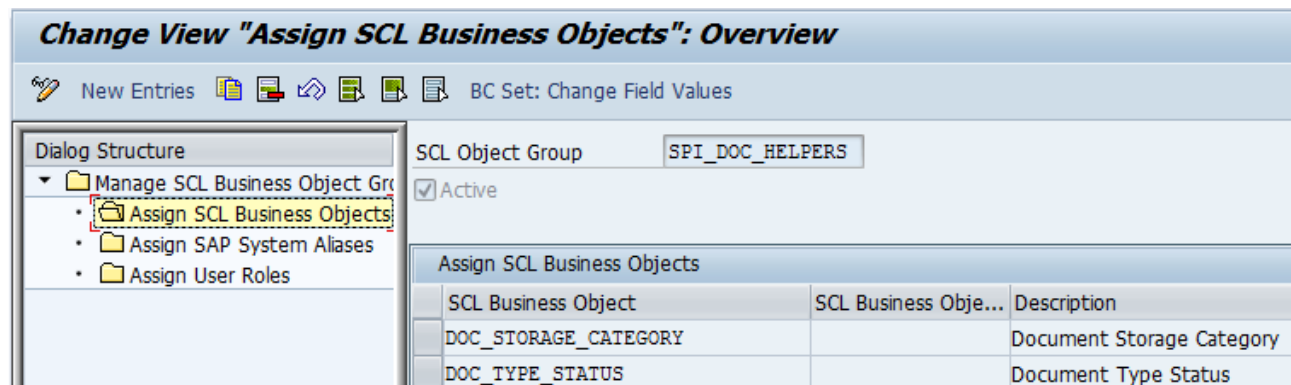
Activate the BC Set for Starter Services as per documentation in the SAP Duet Enterprise Deployment Guide. To see the configuration delivered in the BC Set for document upload, go to transaction SIMGH and choose the Service Consumption Layer Administration and select General Settings -> Manage Business Object Groups.



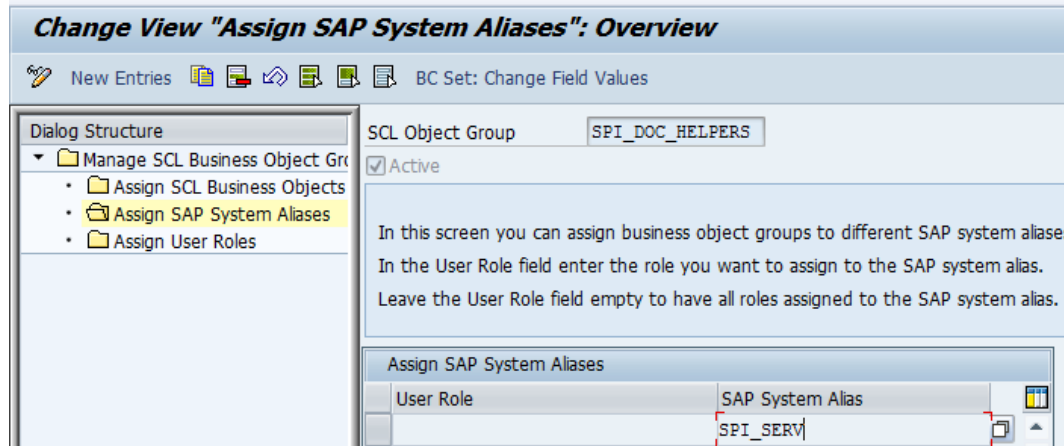
You will see the SCL Business Object Group you specified in the BC set activation.



If you drill down into the Assign SCL Business Objects, you should see 2 objects.



In the Assign SAP System Aliases, make sure that the Alias points to the SAP system to the Document Management system you want to use.

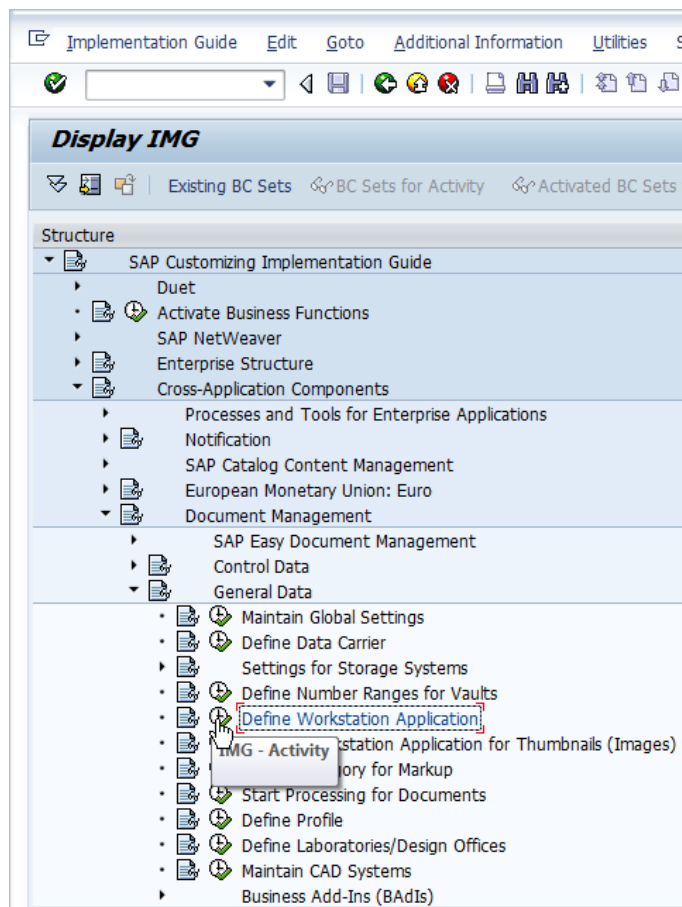


The Alias and its associated RFC can be found by going to transaction SIMGH and choose SAP Service Consumption Layer -> Connection Settings -> SCL to SAP System ->SCL to SAP System Aliases

Configuring Supported File Extensions

Also ensure that the file extensions supported in the SAP backend system are also configured in the Duet Enterprise IMG on the SCL.

From the SAP Backend system, navigate to the SAP IMG and go to the following path: Cross-Application Components -> Document Management -> General Data -> Define Workstation Application.



You will see a list of supported file extensions.

Change View "Define workstation application": Overview

New Entries

Dialog Structure

- Define workstation app
 - Define workstation
 - Define templates for original files
 - Setup office integr...

A...	Description	Suffix	ArchID	StartAuth	NoRena...	File format
A2	Autocad		A2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
BVO	Objektpflege		*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
BVV	Vertragspflege		*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
DOC	Microsoft Word	doc	*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	*.doc, *.*
GIF	GIF Anzeige		A2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
LIM	Großbild			<input checked="" type="checkbox"/>	<input type="checkbox"/>	*.jpg, *.gif
MPP	MS Project	mpp		<input checked="" type="checkbox"/>	<input type="checkbox"/>	.mpp, *.*
PDF	Acrobat Reader	pdf		<input checked="" type="checkbox"/>	<input type="checkbox"/>	*.pdf
PLT	HPGL Anzeige			<input checked="" type="checkbox"/>	<input type="checkbox"/>	
SIM	Kleinbild			<input checked="" type="checkbox"/>	<input type="checkbox"/>	*.jpg, *.gif
SND	Ton			<input checked="" type="checkbox"/>	<input type="checkbox"/>	*.wav
TIF	TIFF Anzeige			<input checked="" type="checkbox"/>	<input type="checkbox"/>	
TXT	Textdateien	txt	*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	*.txt
WRD	Word		A2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
WWI	Winword 6.0	doc		<input checked="" type="checkbox"/>	<input type="checkbox"/>	*.doc
XLS	Microsoft Excel	xls	*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	*.xls, *.*
XML	XML	xml		<input checked="" type="checkbox"/>	<input type="checkbox"/>	*.xml

In the SCL, navigate to transaction SIMGH and choose IMG Service Consumption Layer Services Administration. Under Document settings, choose Maintain Workstation Applications for File Extensions.

Implementation Guide Edit Goto Additional Information Utilities(M)

Display IMG

Existing BC Sets BC Sets for Activity Activated BC Sets

Structure

- Service Consumption Layer Services Administration
 - Code Lists Settings
 - Document Settings
 - Maintain GSDO and Object type relation
 - Maintain Workstation Applications For File Extensions

Ensure the file extensions you want to support are also reflected here.

Maintain Workstation Application	
File Extn	Workstation A
AVI	WAV
BMP	JPG
DOC	DOC
DOCX	DOC
GIF	JPG
HTM	HTM
HTML	HTM
JPEG	JPG
JPG	JPG
MP3	WAV
MP4	WAV
MPP	MPP
MSG	DOC
PDF	PDF
PNG	JPG
PPS	PPT
PPT	PPT
PPTX	PPT
RTF	WRD
TIF	JPG
TIFF	JPG
TXT	TXT
WAV	WAV
XLS	XLS
XLSX	XLS
XML	XML

Related Content

[Duet Enterprise Deployment Guide](#)

[Installing Duet Enterprise: The SAP side -- A Video Guide](#)

<http://www.duet.com>

For more information, visit the [Portal and Collaboration homepage](#)

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