

SAP NetWeaver MDM – SRM Catalog – SRM – EBP Configuration

Applies to

SAP MDM 5.5 SP04 Patch 01+, SRM 5.5+

Summary

This document attempts to summarize the steps required to configure the SRM source system for supplying product catalog data to the MDM system for publishing on the EBP front end of the SRM buyer portal in an MDM – SRM Catalog Scenario. Information has been presented mostly in the form of screen shots and steps are mentioned in the sequence in which they should be executed in the relevant systems. Also the steps required for configuration of EBP using the WebDynpro configuration UI with reference to the MDM catalog are presented.

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Author Bio



Sudhendu Pandey joined SAP Global Delivery Consulting (GDC), SAP consulting in Feb 2005. He is a part of the MDM Practice in GDC and has been working on MDM since December 2005 with Indian as well as global customers. He also has a background in SAP XI and BI. He holds a bachelor's degree in Electrical Engineering and a Master's in Systems and Marketing Management.

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Background

The purpose of this document is to serve as a reference, start up document or troubleshooting for MDM / SRM consultants while configuring SAP SRM (including the MDM – SRM WebDynpro Config UI and SRM - EBP) and MDM systems. Information has mostly been presented in the form of screen shots as encountered in different systems within the landscape. This information assumes that all the technical steps related to installation, physical connectivity and business content deployment have been completed before an attempt is made to configure the different systems in the landscape for master data transfer to the MDM system.

Assumptions

- All technical steps related to installation, physical connectivity and business content deployment have been completed before an attempt is made to configure the systems in the landscape. For details on the installation and business content deployment, the relevant installation and configuration guides on the SAP Service marketplace (<http://www.service.sap.com>) can be referred.
- The user of this document is assumed to have basic knowledge on the use of SAP SRM Systems, hence logon procedure and other details have been excluded from this document

Landscape Details

The table below represents the details of systems used as reference in this document. System IDs would differ for the reader's respective landscape and would need to be suitably addressed as per individual requirements.

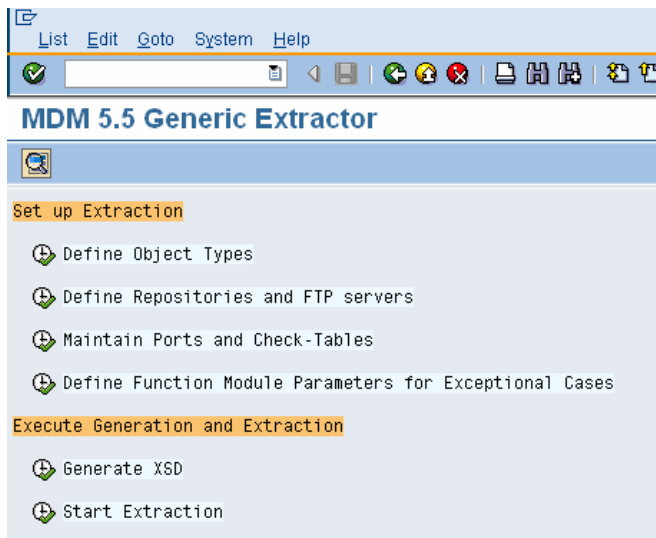
System Type	System ID	Client	Purpose
SRM Server 5.5	D2T	200	Master Data Client – Product Catalog Master Data
MDM 5.5 SP04	Sp-tivm85		Product Catalog Master Data Management

Methodology – Configuration of the Client System

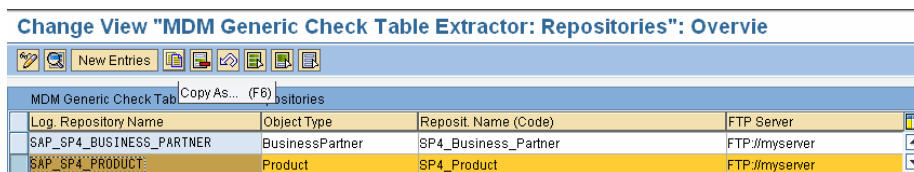
1. Preparation of the Master Data Client (SRM) System

a. Define Repositories and Client Systems

Transaction MDMGX on the SRM (EBP) Client System (D2T, p63693) gives the following screen

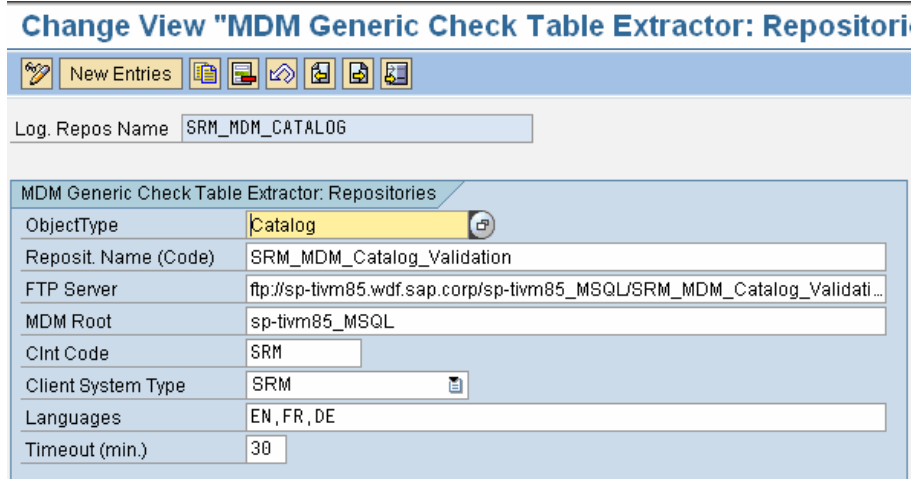


Executing “Define Repositories and FTP servers” Gives the following launch screen with two objects defined. Select Copy (in the edit Mode) after Selecting the template for SAP_SP4_PRODUCT

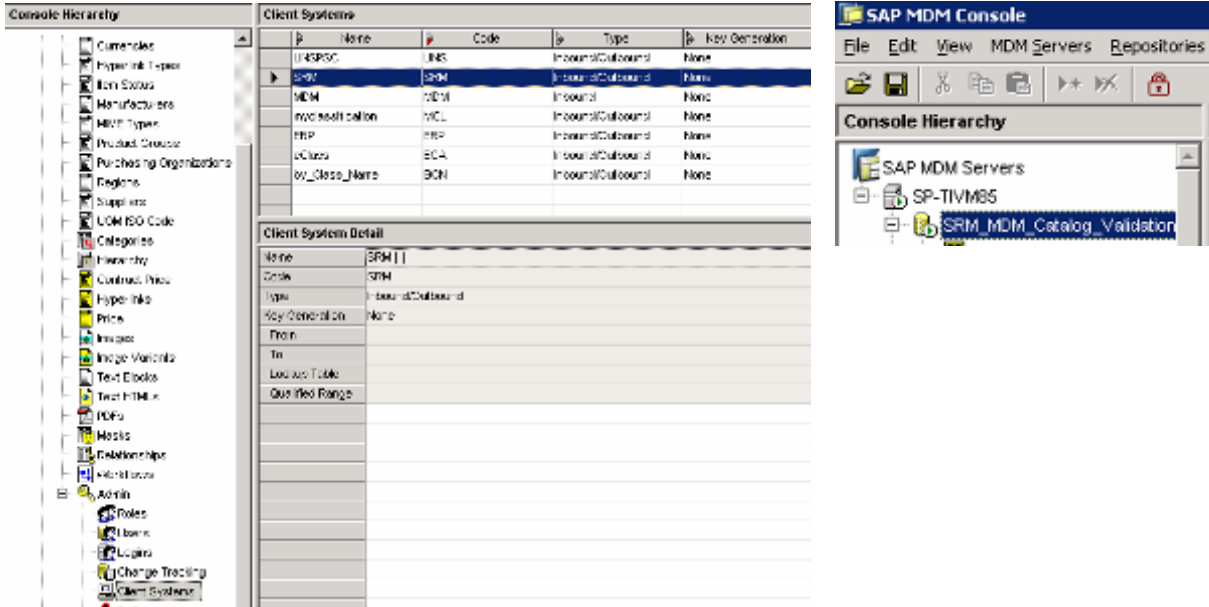


b. Configure Generic Extractor – Check Tables

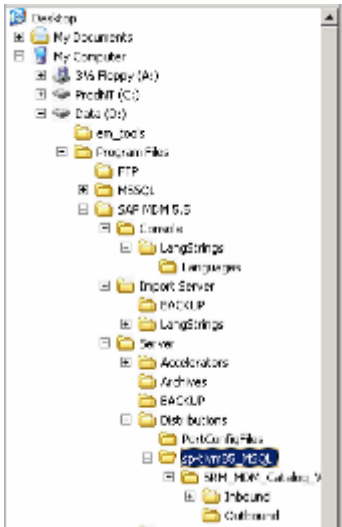
The Following entries are made in the screen that follows the above transaction and data is saved



Client code in the SRM System configuration is kept the same as that in the MDM system. The MDM Repository name is the same as that on the MDM Server as shown below.



The MDM Root can be verified on the MDM Server at the installation location of SAP MDM 5.5 under Program Files (Windows as OS is assumed)



2. Loading Reference Data from the Client SRM System

Executing the MDM Generic Extractor

On the launch screen of the Transaction MDMGX, the Start Extraction Step is to be executed.

Following entries are reflected in the following screen on selection of the SRM-MDM-Catalog Repository

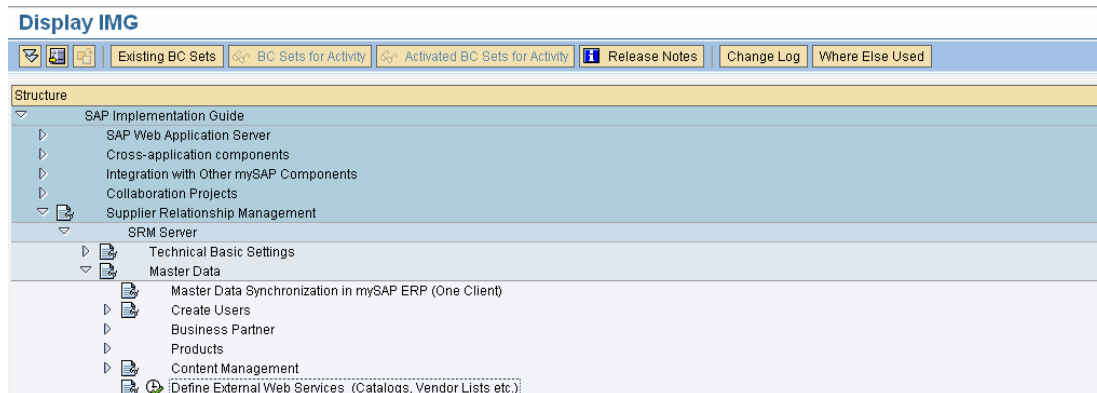
MDM 5.5 Generic Extractor for check table extraction

Reposit. Name (Code)	SRM_MDM_Catalog_Validation
Object Type	Catalog
Address of FTP Server	ftp://sp-tivm85.wdf.sap.corp/sp-tivm85_MSQL/SRM_MDM...
MDM Root	sp-tivm85_MSQL
<input checked="" type="checkbox"/> Local download	
File directory	C:\Documents and Settings\i034262\Desktop
<input checked="" type="checkbox"/> Upload via FTP	
USER	
PWD	*****

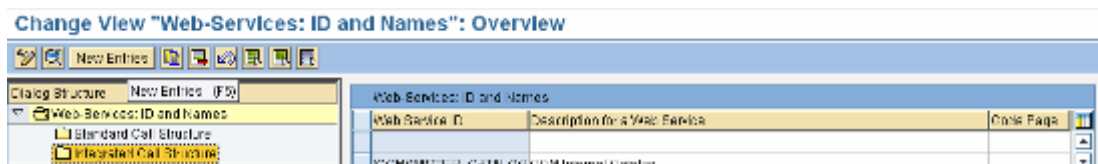
3. Setting up External Web Services in SRM

a. Integrated Call Structure Configuration

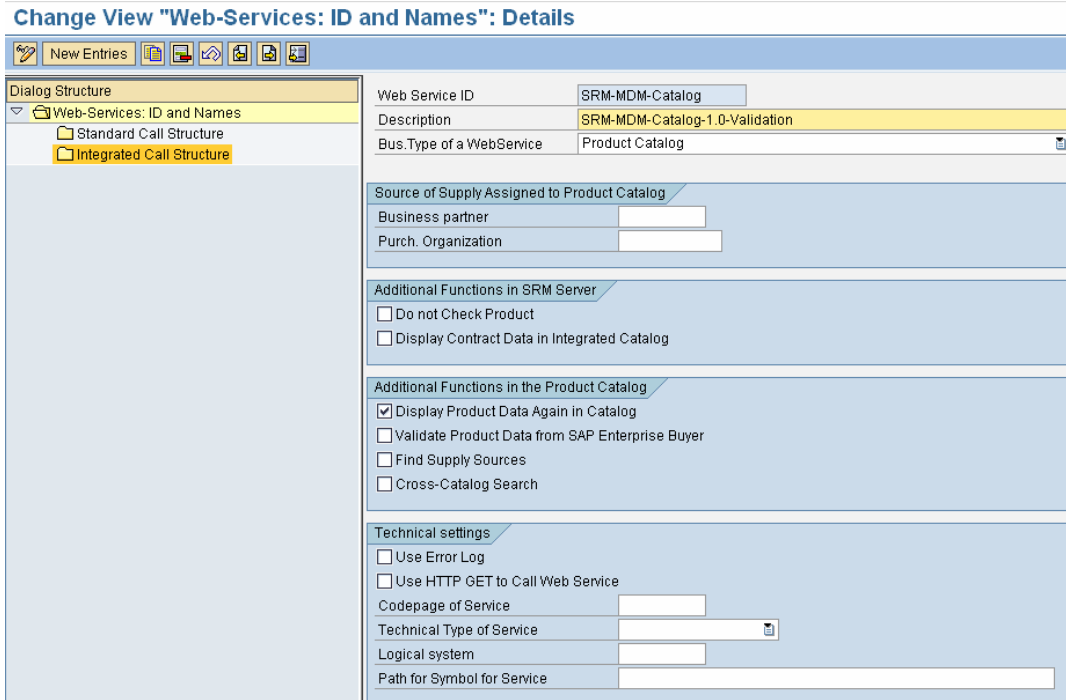
Transaction SPRO in the SRM – EBP client system presents the following screen under SAP Reference IMG option. The highlighted tree leaf needs to be clicked for execution as shown



Select the New Entries Button after selecting the Integrated Call Structure as shown



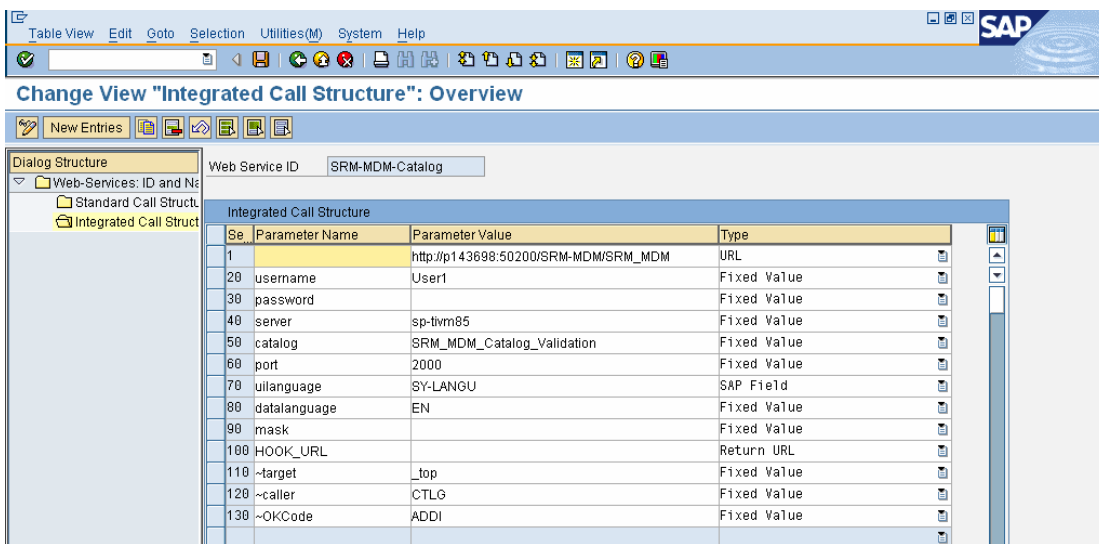
Following entries are made in the screen presented



Select the created web service from the list of all the integrated call structure services and double click on the integrated call structure item in the left hand tree. The following parameters need to be maintained in the given sequence.

b. Web Service Definition

The following parameters (in sequence) need to be maintained for the web service definition in the SRM System. An explanation of the purpose of each of these parameters can be found in the latest configuration guide for MDM – SRM catalog on the service marketplace. The Username and password combination is the same as the one maintained in the MDM System.



4. Making the Catalog Web Service Available in the Organization Plan

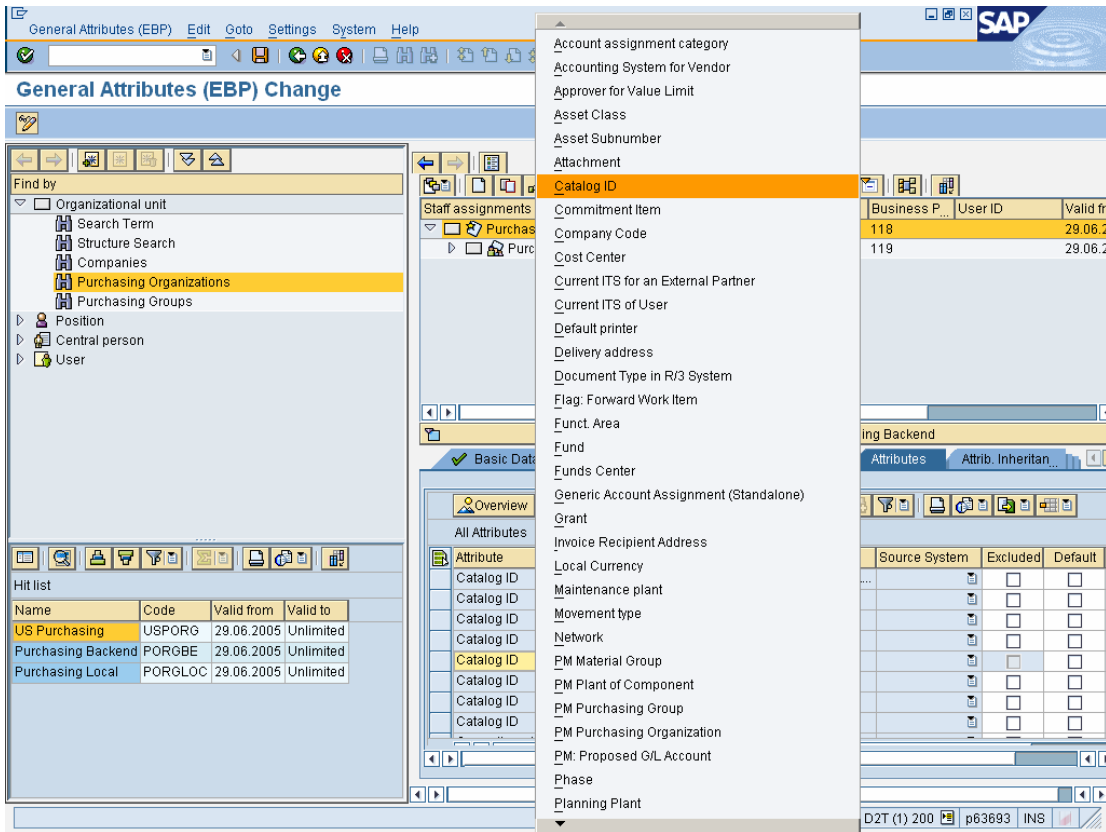
EBP General Attributes Change

The Transaction PPOMA_BBP takes us to the Change Organizational Plan in the SRM – EBP system with the following screen. Find by > Org. unit > Purchase Organizations is selected and then the Attributes tab is selected in the bottom right window. The EBP Catalog user should be there in the Org. Structure where the Catalog ID is being assigned. In case a user does not exist, it might be required to create the same before proceeding.

The screenshot shows the SAP 'General Attributes (EBP) Change' transaction. The left pane displays the organizational unit hierarchy, with 'Purchasing Organizations' selected. The main area shows a table of staff assignments for 'Purchasing Backend' and 'Purchasing Group (Backer PGBE)'. The bottom right pane shows the 'Attributes' tab for the selected organizational unit, with the 'Local' section containing a checked 'Purch. Organization' attribute.

Name	Code	Valid from	Valid to
US Purchasing	USPORG	29.06.2005	Unlimited
Purchasing Backend	PORGBE	29.06.2005	Unlimited
Purchasing Local	PORGLOC	29.06.2005	Unlimited

In the attribute tab, the Change Attribute button gives the option to select the Catalog ID attribute for modification in the context menu.



The highlighted entry for the SRM-MDM Web service created in the previous step is made in the final step and data is saved.

The screenshot displays the SAP NetWeaver MDM interface for configuring organizational units. The main window is titled 'General Attributes (EBP) Change'. On the left, a navigation tree shows the hierarchy: Organizational unit > Purchasing Organizations > Purchasing Groups. The main area shows a table of staff assignments for the 'Purchasing Backend' organizational unit.

Staff assignments (structure)	Code	ID	Business P...	User ID	Valid fr...
Purchasing Backend	PORGBE	O 50000615	118		29.06.2...
Purchasing Group [Backer PGBE		O 50000616	119		29.06.2...

Below the main table, the 'Details for Organizational unit Purchasing Backend' section is visible, with tabs for 'Basic Data', 'Address', 'Function', 'Responsibility', 'Attributes', and 'Attrib. Inheritan...'. The 'Attributes' tab is active, showing a table of 'All Values' for the 'Catalog ID' attribute.

Catalog ID	Excluded	Default	Inherited
Camtasia Procurement	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DIGITAL_PROC_CATALOG	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Iteration 2 2nd Proc	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PRCATBMSP05	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PROMBESP05	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SRM-MDM-Catalog	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SUPPL_DIR_CCM	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
khpro	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
sn05nrcat	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

At the bottom left, a 'Hit list' table is visible:

Name	Code	Valid from	Valid to
US Purchasing	USPORG	29.06.2005	Unlimited
Purchasing Backend	PORGBE	29.06.2005	Unlimited
Purchasing Local	PORGLOC	29.06.2005	Unlimited

Check: The EBP User (“emp” here) who is supposed to use the shop feature of EBP should be assigned to the Organizational Unit (Purchasing Org. in this case) in such a way that the Catalog Web Service is available at his level in the Org Plan.

Alternative: We can also assign the Catalog ID to the Org Structure to which the EBP user belongs by searching for the EBP User and adding the Catalog ID to the list of attributes for the org unit of that user as shown in the screen below.

General Attributes (EBP) Edit Goto Settings System Help

General Attributes (EBP) Change

Find User

With name EMP

Assigned to

Object

Find Add X

Central person

User

Search Term

Structure Search

Hit list

Existence	User	Code
	Employee EU	EU

08.09.2006 + 3 Months

Structure)	Code	ID	Business P...	User ID	Valid from	Valid to	As...
g	USPORG	O 50000611	114		29.06.2005	Unlimited	
	S_50001307	S 50001307			07.09.2006	Unlimited	07.09.2006
	S_50001309	S 50001309			07.09.2006	Unlimited	07.09.2006
	Purchasing Group [Bar USPGBE	O 50000612	115		29.06.2005	Unlimited	29.06.2005

Details for Organizational unit US Purchasing

Basic Data Address Function Responsibility Attributes Attrib. Inheritance Extended Attri...

Organizational unit USPORG US Purchasing

Valid On 08.09.2006

No periods

Holder	Icon	Holder	Percentage	Ass	Description	Subtyp	General description
		MBA Sudhendu Pandey I034262	0,00	07.00			
		SUPPORT	0,00	07.00			

D2T (1) 200 p63693 INS

General Attributes (EBP) Edit Goto Settings System Help

General Attributes (EBP) Change

Find by

Organizational unit

Search Term

Structure Search

Companies

Purchasing Organizations

Purchasing Groups

Position

Central person

User

Search Term

Structure Search

Hit list

Existen...	User	Code
	Employee EU	EU

08.09.2006 + 3 Months

Organizational Assignment	Code	ID	Business P...	User ID	Valid from	Valid to	As...
Employee EU	EU	US EMP			01.01.1900	Unlimited	
Employee EU	EMPLOYEE	CP 50000705	161	EMP	13.07.2005	Unlimited	13.07.2005
S_50000704	S_50000704	S 50000704			13.07.2005	Unlimited	08.09.2006
Department	DEPT	O 50000619	122		29.06.2005	Unlimited	13.07.2005
Company Heac COMHQ		O 50000614	117		29.06.2005	Unlimited	07.09.2006
SRM50 Group	Root	O 50000608	112		29.06.2005	Unlimited	07.09.2006

Details for Position S_50000704

Close detail area

Attrib. Inheritance Attributes Extended Attributes Responsibility Function

Overview Chg. Attribute

All Attributes	Attribute ID	Value	Source System	Excluded	Default	Inherited
Catalog ID	CAT	DIGITAL_PROC_CATAL...		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Catalog ID	CAT	Iteration 2 2nd Proc		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Catalog ID	CAT	PRCATBMSP05		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Catalog ID	CAT	PROCUREMENT CATAL...		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Catalog ID	CAT	PROMBESP05		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Catalog ID	CAT	SRM-MDM-Catalog		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Catalog ID	CAT	SUPPL_DIR_CCM		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Catalog ID	CAT	khpro		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

D2T (1) 200 p63693 INS

Configuring the Search UI in WebDynpro

1. User – Specific Configuration

a. Accessing the WebDynpro Configuration UI

The URL for accessing the configuration UI looks like the following (here the system name and the port p143698 and 50200 respectively would depend on the settings used in the installation of the WebDynpro UI).

http://p143698:50200/webdynpro/dispatcher/sap.com/tc~mdmsrmui/MDM_SRUI_App

Following entries are made at the login screen:

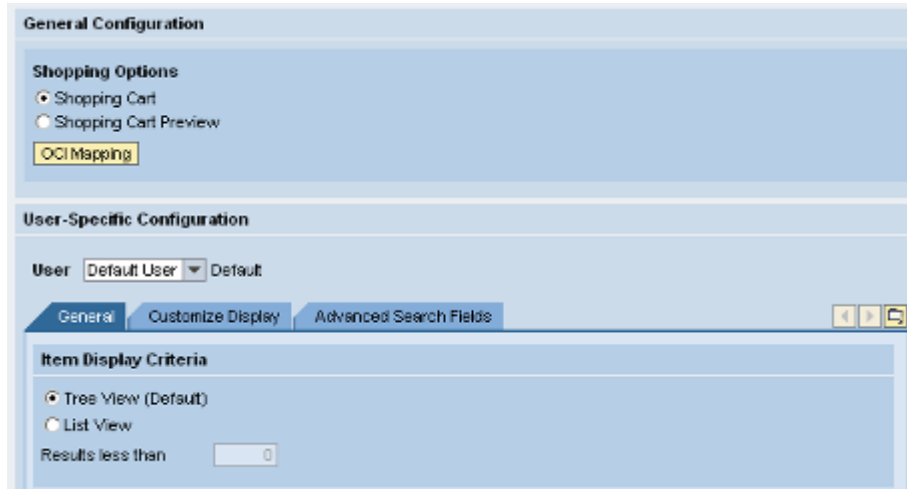
The User Name and Password should be same as the one in MDM System (sp-tivm85) Console > Admin > Users list.

Users				
Name	Full Name	Description	Roles	
Admin		Administrator User	Admin, Catalog User	
Approver1			Catalog Content Approver	
Approver2			Catalog Content Approver	
Manager1			Catalog Manager	
Manager2			Catalog Manager	
Master			Catalog Manager, Catalog Co	
System			External Integration	
User1			Catalog User	

User Detail	
Name	Master
Full Name	
Description	
Password	*****
Roles	Catalog Manager, Catalog Content Approver, Catalog User, UI Configuration Manager
Email Address	

The User should have UI Configuration Manager Role assigned to it for accessing all the configuration options.

b. General Configuration settings



Default screen at login with configuration options is shown above.

Following can be customized at the General Tab:

- Item Display Criterion – whether a tree View or a list View is desired
- General Settings for the result set

c. Customize Display Configuration settings

Following can be customized at the Customize display Screen:

- Settings for the Hierarchical Search
- Settings for the Selection list
- Selection of available fields for the following screens in EBP front end
 - Result Set
 - Item Details
 - Compare
 - Shopping Cart Preview

The desired fields at each of the screens can be selected and arranged at each of the above screens. Changes in the EBP will be reflected on saving the settings at this screen and accessing the Catalog in the EBP

General Configuration

Shopping Options

Shopping Cart
 Shopping Cart Preview

[OCI Mapping](#)

User-Specific Configuration

User:

General **Customize Display** Advanced Search Fields

Result Set Shopping Cart Preview Compare Item Details

Supplier	<input type="button" value="All"/> <input type="button" value="Add"/> <input type="button" value="Remove"/> <input type="button" value="None"/>	Short Description	<input type="button" value="Up"/> <input type="button" value="Down"/>
Supplier Catalog Name		Category	
Short Description		Supplier	
Product Group		Price Information	
Product ID		Contract Price	
Category		Hyperlink	
Hierarchy			
Service Item			
Price Information			
Contract Price			

Hierarchy:

Selection List:

d. Advanced Search fields Configuration

At the Advanced Search Fields Tab, the relevant fields to be available as search criteria and those which need to have a range can be specified as shown below

General Configuration

Shopping Options

Shopping Cart
 Shopping Cart Preview

User-Specific Configuration

User: Default

Field Name	Searchable	Range
Supplier Part Number	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Supplier	<input type="checkbox"/>	<input type="checkbox"/>
Supplier Catalog Name	<input type="checkbox"/>	<input type="checkbox"/>
Short Description	<input type="checkbox"/>	<input type="checkbox"/>
Product Group	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Product ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Category	<input type="checkbox"/>	<input type="checkbox"/>
Hierarchy	<input type="checkbox"/>	<input type="checkbox"/>
Price Information	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Long Description	<input type="checkbox"/>	<input type="checkbox"/>
Special Search Terms	<input type="checkbox"/>	<input type="checkbox"/>
External Manufacturer	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Manufacturer Part Number	<input type="checkbox"/>	<input type="checkbox"/>
Standardized Manufacturer Part Number	<input type="checkbox"/>	<input type="checkbox"/>
Delivery Time in Days	<input type="checkbox"/>	<input type="checkbox"/>

Row 1 of 23

2. General Configuration

a. Mapping Catalog Fields to OCI Fields

In the initial screen after login to the WebDynpro configuration UI, "OCI Mapping" is selected.

General Configuration

Shopping Options

Shopping Cart
 Shopping Cart Preview

User-Specific Configuration

User: Default

Item Display Criteria

Tree View (Default)
 List View
 Results less than

This will present the default OCI mapping screen

Map OCI Fields	
NEW_ITEM-DESCRIPTION:	Short Description
NEW_ITEM-MATNR:	Product ID
NEW_ITEM-LONGTEXT:	
NEW_ITEM-UNIT:	
NEW_ITEM-PRICE:	
NEW_ITEM-CURRENCY:	
NEW_ITEM-PRICEUNIT:	
NEW_ITEM-LEADTIME:	Delivery Time in Days
NEW_ITEM-VENDOR:	Supplier
NEW_ITEM-VENDORMAT:	Supplier Part Number
NEW_ITEM-MANUFACTCODE:	External Manufacturer
NEW_ITEM-MANUFACTMAT:	Manufacturer Part Number
NEW_ITEM-MATGROUP:	Product Group
NEW_ITEM-SERVICE:	Service Item
NEW_ITEM-CONTRACT:	
NEW_ITEM-CONTRACT_ITEM:	
NEW_ITEM-EXT_QUOTE_ID:	
NEW_ITEM-EXT_QUOTE_ITEM:	
NEW_ITEM-EXT_PRODUCT_ID:	
NEW_ITEM-ATTACHMENT:	
NEW_ITEM-ATTACHMENT_TITLE:	
NEW_ITEM-ATTACHMENT_PURPOSE:	
NEW_ITEM-EXT_SCHEMA_TYPE:	
NEW_ITEM-EXT_CATEGORY_ID:	
NEW_ITEM-EXT_CATEGORY:	
NEW_ITEM-SLD_SYS_NAME:	
NEW_ITEM-CUST_FIELD1:	

A typical Mapping configuration can look as above and the configuration can be saved when completed using the save button at the bottom of the screen. The Mapping saved can be previewed in using the preview feature on the same page.

All the changes made in the WebDynpro configuration UI would be available immediately on accessing the relevant MDM – SRM catalog link in the list of available catalogs in the SRM EBP front end.

Related Content

- SRM-MDM Catalog 1.0 Installation & Configuration
https://www.sdn.sap.com/irj/servlet/prt/portal/prtroot/com.sap.km.cm.docs/oss_notes/sdn_oss_mdm/~form/handler{5f4150503d3030323030363832353030303030303031393732265f4556454e543d444953504c4159265f4e4e554d3d393637303838}
- MDM 5.5: Generic extractor for Customizing data
https://www.sdn.sap.com/irj/servlet/prt/portal/prtroot/com.sap.km.cm.docs/oss_notes/sdn_oss_mdm/~form/handler{5f4150503d3030323030363832353030303030303031393732265f4556454e543d444953504c4159265f4e4e554d3d393634393931}

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