

MDM Syndicator – Create Flat Syndication File



Applies to:

SAP NetWeaver Master Data Management (MDM) SP3, SP4, SP5.

Summary

This article provides a step-by-step procedure in manually syndicate the data to a Remote System in Flat file format.

Author(s): Srinivas Vemarthi

Company: SITA CORP (INDIA) PVT LTD

Created on: 01 January 2008

Author Bio



Srinivas Vemarthi is working in SITA CORP (INDIA) PVT LTD from more than 2 years. He is a member of MDM core competency team and has worked on multiple SAP MM and SAP WM projects.

Table of Contents

Business Scenario	3
Syndication Process Flow Overview	3
MDM Syndicator Steps	3
Snapshot of Syndicated Flat File	14
Related Content	14
Copyright.....	15

Business Scenario

Let's take an example of syndicating the product data to Remote System in Flat file format. To achieve this, first launch MDM syndicator, set the Map properties and then select the destination properties. Add Destination items and Map the source items to destination items and Execute the Syndication action.

Syndication Process Flow Overview

1. Launch MDM Syndicator.
2. Set the Map properties.
3. Select Destination Properties.
4. Add Destination Items.
5. Map Source items and Destination items.
6. Execute the Syndication action.

MDM Syndicator Steps

1. Launch the MDM Syndicator application from your Windows desktop. You should see:

The screenshot displays the MDM Syndicator application interface. The top menu bar includes File, View, Search, Item Properties, Syndication, Configuration, Source Items, and Help. The main window is divided into several sections:

- Search Parameters:** A tree view under the 'Manufacturer' section showing various manufacturers like Ansell Protective Products, Bacou-Dalloz Group, etc.
- Records:** A table with columns: Manufacturer, Name, Part Number, and Category. It lists three records from AllenT.
- Item Mapping:** A section with tabs for Map Properties, Destination Items, Custom Items, Merge Items, Search Selections, and Destination Preview. It contains two tables:

Source items:			Destination items:					
Mapped	Name	Type	Order	Mapped	Include	Name	Type	
<input checked="" type="checkbox"/>	Products	Main						

2. Press the Map Properties tab, you should see:

The screenshot shows the MDM Syndicator application with the 'Map Properties' tab selected. The 'Search Parameters' tree on the left is expanded to show the 'Manufacturer' section, with '[ALL]' selected. The 'Records' table displays a single record for 'AllenT' with 'Basic Metric 107-pc Tool Set' and '19619'. The 'Map Properties' table is as follows:

Name	Reset	Destination Items
Remote System	<input type="checkbox"/>	MDM
Format	<input type="checkbox"/>	Flat
Root	<input type="checkbox"/>	
Namespace	<input type="checkbox"/>	
XML File Output	<input type="checkbox"/>	Multiple Files (One Record per File)
Repeatable Record Name	<input type="checkbox"/>	<none>
Include Item Names	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Item Format	<input checked="" type="checkbox"/>	Variable Width
Item Delimiter	<input checked="" type="checkbox"/>	Tab
Custom Delimiter	<input checked="" type="checkbox"/>	
Name/Value Separator	<input checked="" type="checkbox"/>	Tab

3. Click on file in the Menu bar, and select Destination Properties:

The screenshot shows the MDM Syndicator application with the 'File' menu open. The 'Destination Properties...' option is highlighted. The 'Map Properties' tab is still active, showing the same table as in the previous screenshot.

You should see:

The 'Destination Properties' dialog box is shown with the following settings:

- Type: Flat
- Remote system: MDM
- Port: (empty)
- XML schema: (empty)
- XML file name: (empty)
- Root: (empty)

Buttons: OK, Cancel

4. Select the Remote System as Remote System.

The 'Destination Properties' dialog box is shown with the following settings:

- Type: Flat
- Remote system: Remote System
- Port: Remote System (selected)
- XML schema: (empty)
- XML file name: (empty)
- Root: (empty)

Buttons: OK, Cancel

5. Click the “OK” button, you should see:

The screenshot shows the SAP MDM interface with the following components:


- Menu:** File, View, Search, Item Properties, Syndication, Configuration, Source Items, Help
- Products:** (empty)
- Search Parameters:**
 - Manufacturer:**
 - [ALL]
 - Ansell Protective Products
 - Bacou-Dalloz Group
 - Best Manufacturing Company
 - Boss Holding, Inc.
 - Danaher Corporation
 - Estwing Manufacturing Company
 - Henkel KGaA
 - Illinois Tool Works, Inc.
 - Norcross Safety Products L.
 - RPM International, Inc.
- Records:**

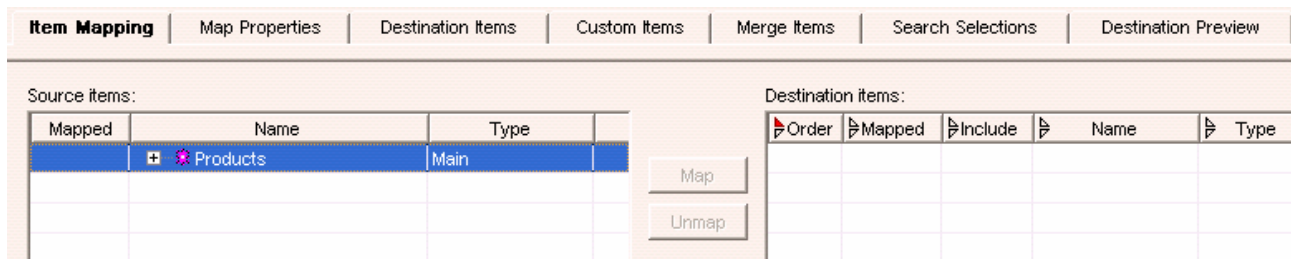
Manufacturer	Name	Part Number
AllenT	Basic Metric 107-pc Tool Set	19619
- Item Mapping:**
 - Map Properties
 - Destination Items
 - Custom Items
 - Merge Items
 - Search Selections
- Source items:**

Mapped	Name	Type
<input checked="" type="checkbox"/>	Products	Main
- Destination items:**

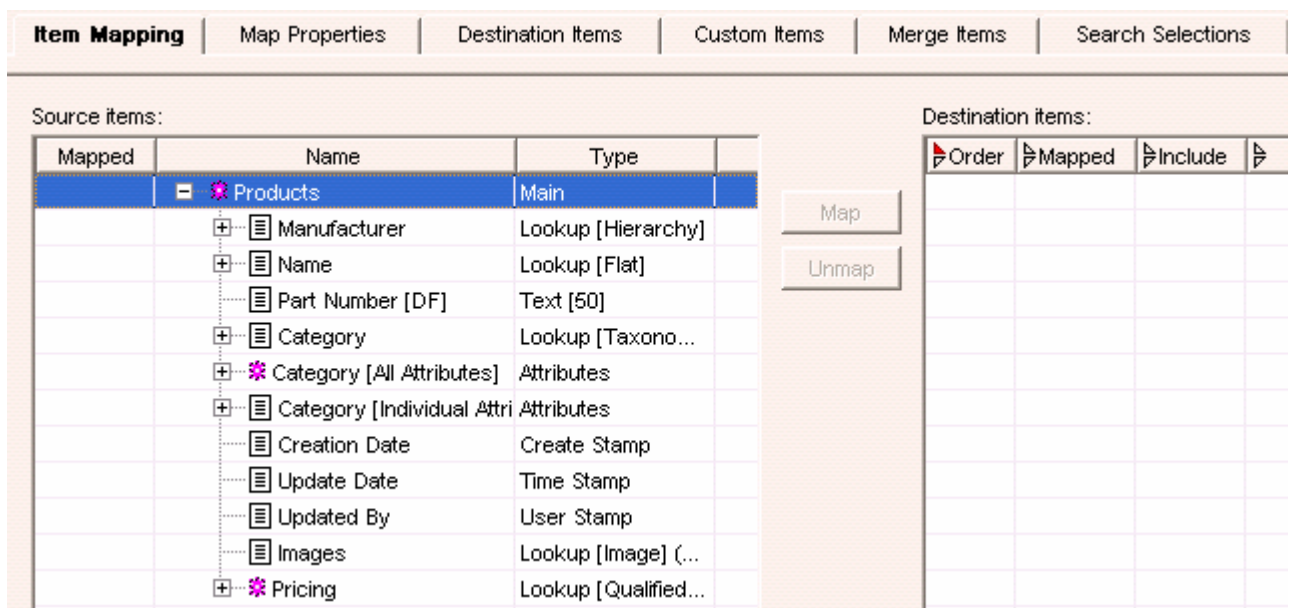
Order	Mapped	Include

Buttons: Map, Unmap

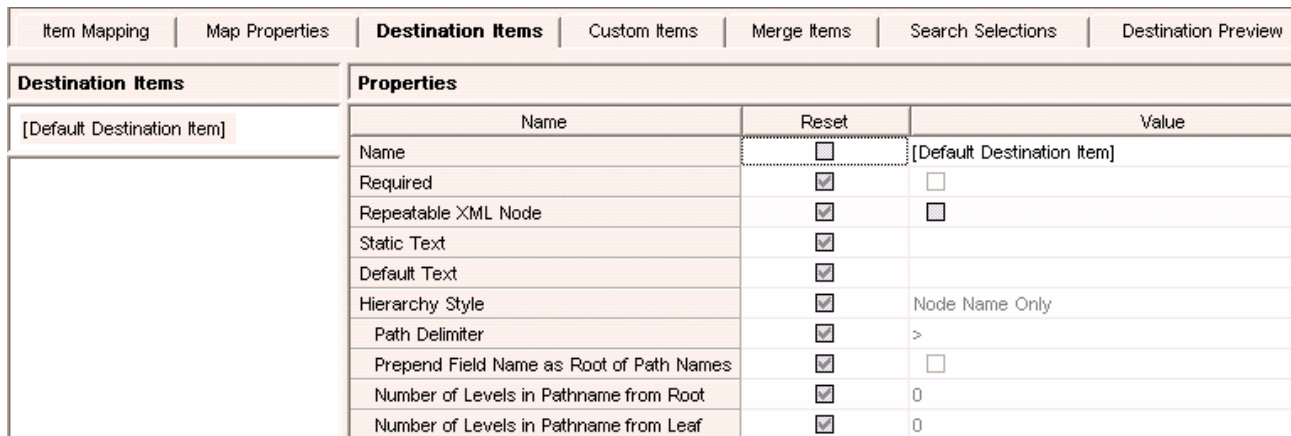
6. Click on  node (products) in source items, in the item mapping tab.



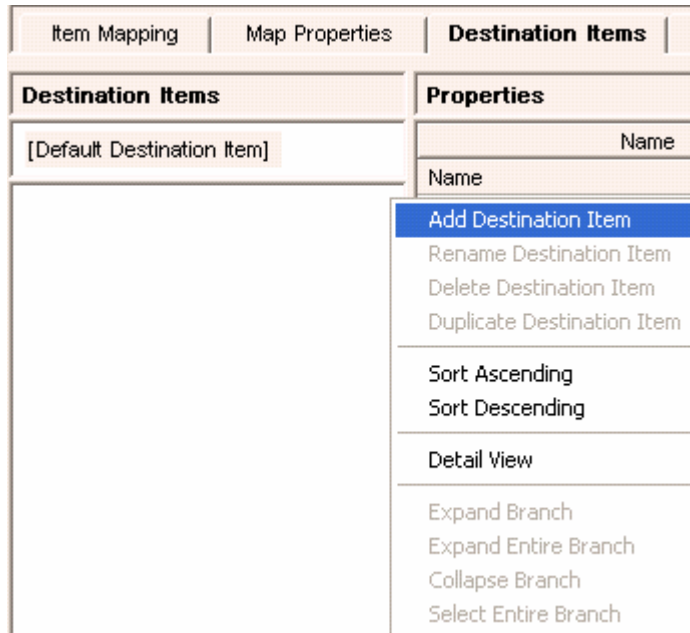
You should see:



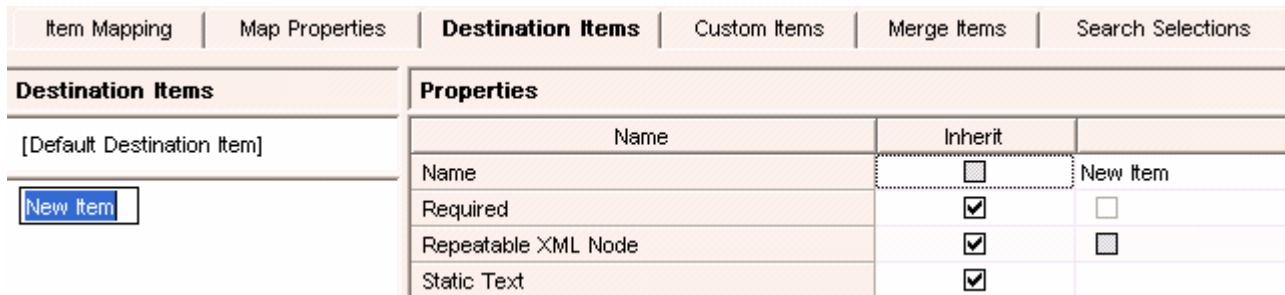
7. Click on Destination items tab, you should see:



8. In the Destination items right click, from the context menu select “Add Destination Item”.



You should see:



9. For the newly created Destination item name it as “Manufacturer”, you should see:

Item Mapping	Map Properties	Destination Items	Custom Items	Merge Items	Search Selections
Destination Items		Properties <i>✎</i>			
[Default Destination Item]		Name	Inherit	Manufacturer	
Manufacturer		Name	<input type="checkbox"/>	Manufacturer	
		Required	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
		Repeatable XML Node	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
		Static Text	<input checked="" type="checkbox"/>		

10. Now repeat steps 8 to 9 to add Destination items, as shown in the following table:

Destination Item
Part Number
Name
Category
Update Date
Updated By
Creation Date

You should see:

Item Mapping	Map Properties	Destination Items	Custom Items	Merge Items	Search Selections
Destination Items		Properties			
[Default Destination Item]		Name	Inherit	Updated by	
Manufacturer		Name	<input type="checkbox"/>	Updated by	
Name		Required	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Part Number		Repeatable XML Node	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Category		Static Text	<input checked="" type="checkbox"/>		
Create date		Default Text	<input checked="" type="checkbox"/>		
Update date		Hierarchy Style	<input checked="" type="checkbox"/>	Node Name Only	
Updated by		Path Delimiter	<input checked="" type="checkbox"/>	>	
		Prepend Field Name as Root of Path Names	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

11. "Click on the Item Mapping tab. You should see:"

Item Mapping | Map Properties | Destination Items | Custom Items | Merge Items | Search Selections | Destination

Source items:

Mapped	Name	Type
	[-] * Products	Main
	[-] Manufacturer	Lookup [Hierarchy]
	[-] Name	Lookup [Flat]
	[-] Part Number [DF]	Text [50]
	[-] Category	Lookup [Taxono...]
	[-] * Category [All Attributes]	Attributes
	[-] Category [Individual Attri	Attributes
	[-] Creation Date	Create Stamp
	[-] Update Date	Time Stamp
	[-] Updated By	User Stamp
	[-] Images	Lookup [Image] (...)
	[-] * Pricing	Lookup [Qualified...]

Map
Unmap

Destination items:

Order	Mapped	Include	Name
[1]		<input type="checkbox"/>	Manufacturer
[2]		<input type="checkbox"/>	Name
[3]		<input type="checkbox"/>	Part Number
[4]		<input type="checkbox"/>	Category
[5]		<input type="checkbox"/>	Create date
[6]		<input type="checkbox"/>	Update date
[7]		<input type="checkbox"/>	Updated by

12. "In the Source Items pane, click on the "+" sign to the left of the "Category" node to show its sub-nodes. You should see:"

Item Mapping | Map Properties | Destination Items | Custom Items | Merge Items | Search Selections | Destination

Source items:

Mapped	Name	Type
	[-] * Products	Main
	[-] Manufacturer	Lookup [Hierarchy]
	[-] Name	Lookup [Flat]
	[-] Part Number [DF]	Text [50]
	[-] Category	Lookup [Taxono...]
	[-] Category [DF]	Text [90]
	[-] Definition	Text [255]

Map
Unmap

Destination items:

Order	Mapped	Include	Name
[1]		<input type="checkbox"/>	Manufacturer
[2]		<input type="checkbox"/>	Name
[3]		<input type="checkbox"/>	Part Number
[4]		<input type="checkbox"/>	Category
[5]		<input type="checkbox"/>	Create date
[6]		<input type="checkbox"/>	Update date
[7]		<input type="checkbox"/>	Updated by

13. "In the Source Items pane, click on the "Category [DF]" node to select it as shown:"

Source items:

Mapped	Name	Type
	[-] * Products	Main
	[-] Manufacturer	Lookup [Hierarchy]
	[-] Name	Lookup [Flat]
	[-] Part Number [DF]	Text [50]
	[-] Category	Lookup [Taxono...]
	[-] Category [DF]	Text [90]
	[-] Definition	Text [255]

Map
Unmap

Destination items:

Order	Mapped	Include	Name
[1]		<input type="checkbox"/>	Manufacturer
[2]		<input type="checkbox"/>	Name
[3]		<input type="checkbox"/>	Part Number
[4]		<input type="checkbox"/>	Category
[5]		<input type="checkbox"/>	Create date
[6]		<input type="checkbox"/>	Update date
[7]		<input type="checkbox"/>	Updated by

14. “In the Destination Items pane, click on the Category to select it, as shown:”

15. “Click on the Map button. You should see:”

16. You now need to map the remaining fields. But first, so that you can easily find the Source fields in the Source Items list, expand the **Manufacturer** and **Name** nodes (by clicking on the “+” sign) so that the final result looks like the following:

17. Now repeat steps 13 to 15 to complete the field mapping for the remaining fields, as shown in the following table:

Source Item	Destination Item
Part number [DF]	Part Number
Name [DF] (under the Manufacturer node)	Manufacturer
Name [DF] (under the Name node)	Name
Creation Date	Creation Date
Update Date	Update Date
Updated By	Updated By

18. After mapping all the remaining fields, you should now see:

The screenshot displays the SAP MDM Syndicator interface with two panels: 'Source items' and 'Destination items'.

Source items:

Mapped	Name	Type
	Products	Main
	Manufacturer	Lookup [Hierarchy]
↔	Name [DF]	Text [120] (Multili... Mar
	Logo	Lookup [Image]
	URL	Text [100]
	Auto ID	Auto ID
	Name	Lookup [Flat]
↔	Name [DF]	Text [125] (Multili... Nar
	Name Updated	Time Stamp
	Name Updated by	User Stamp
	Name Checked	Boolean
	Date Checked	Time Stamp
↔	Part Number [DF]	Text [50] Part
	Category	Lookup [Taxono...
↔	Category [DF]	Text [90] Cate
	Definition	Text [255]
	Category [All Attributes]	Attributes
	Category [Individual Attri	Attributes
↔	Creation Date	Create Stamp Cre-
↔	Update Date	Time Stamp Upd
↔	Updated By	User Stamp Upc

Destination items:

Order	Mapped	Include	Name
[1]	↔	<input checked="" type="checkbox"/>	Manufacturer
[2]	↔	<input checked="" type="checkbox"/>	Name
[3]	↔	<input checked="" type="checkbox"/>	Part Number
[4]	↔	<input checked="" type="checkbox"/>	Category
[5]	↔	<input checked="" type="checkbox"/>	Create date
[6]	↔	<input checked="" type="checkbox"/>	Update date
[7]	↔	<input checked="" type="checkbox"/>	Updated by

19. Click on the Search Selections Tab, you should see:

Item Mapping	Map Properties	Destination Items	Custom Items	Merge Items	Search Selections
Manufacturer:		Boss Manufacturing Company			
Name:		ALL			
Category:		ALL			
Pricing:		ALL			

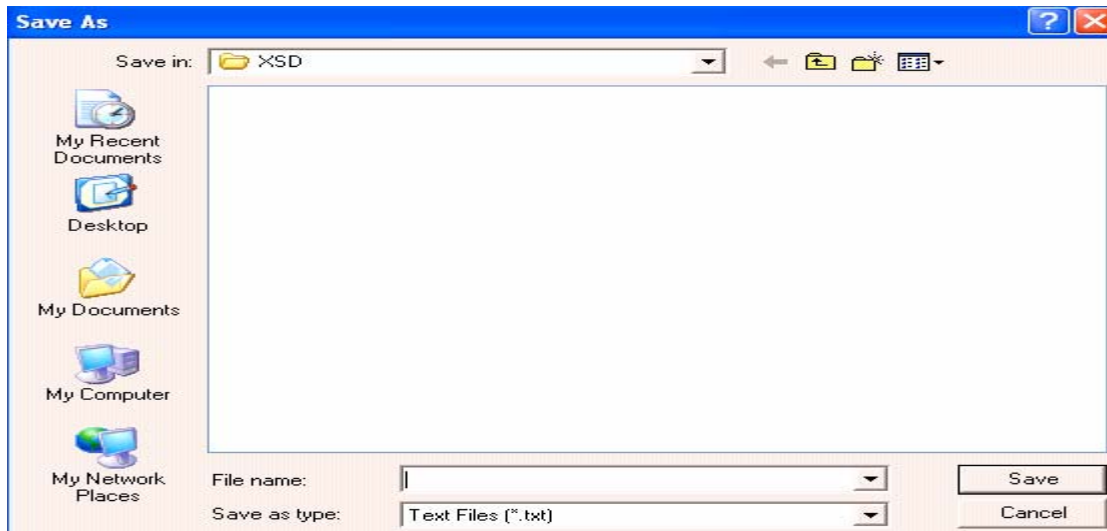
20. “Click on the Destination Preview Tab. You should see:”

Item Mapping	Map Properties	Destination Items	Custom Items	Merge Items	Search Selections	Destination Preview
Manufacturer		Name	Part Number	Category		
Loctite Corporation		2760 Primerless/Strength Threadlocker	32527	Threadlockin		
Loctite Corporation		620 High Temperature Retaining Compound	62005	Retaining Ma		
Loctite Corporation		620 High Temperature Retaining Compound	62040	Retaining Ma		
Loctite Corporation		2440 Primerless Medium Strength Threadlocker	33946	Threadlockin		
Loctite Corporation		2760 Primerless/Strength Threadlocker	32525	Threadlockin		

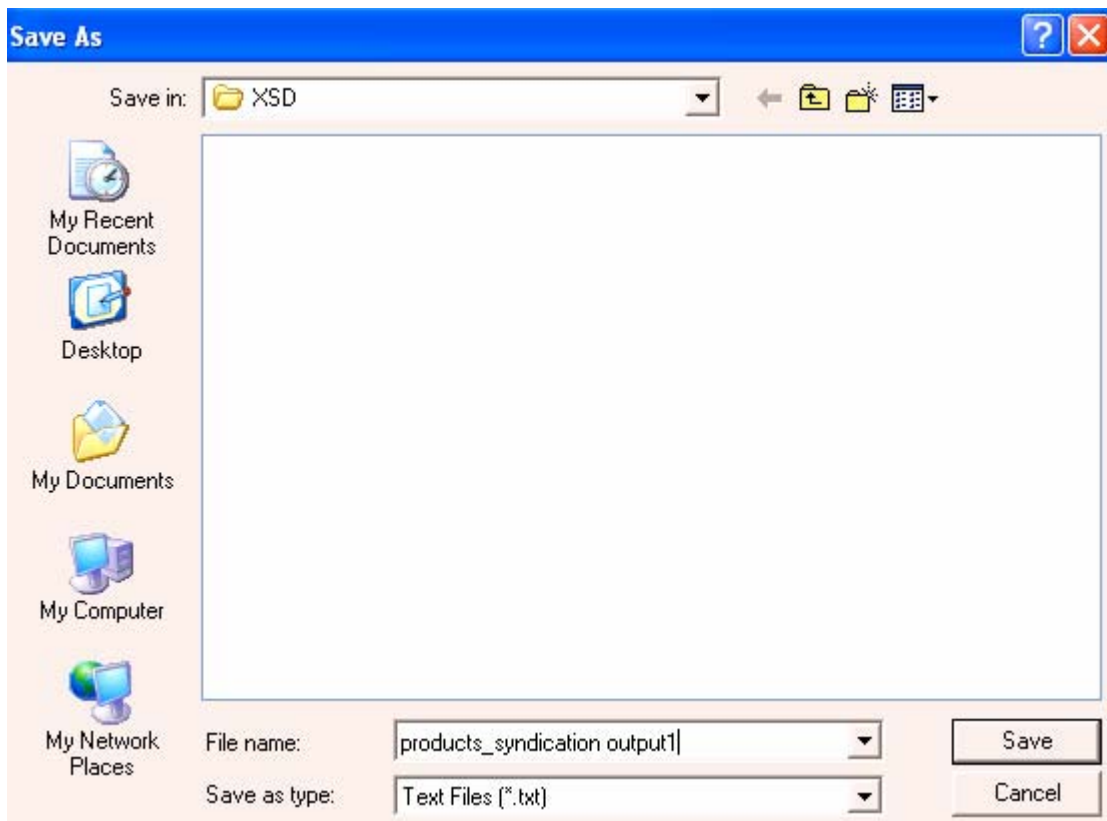
21. “Execute the syndication by pressing the  icon as shown:”

Item Mapping	Map Properties	Destination Items	Custom Items	Merge Items	Search Selections	Destina
Manufacturer		Name	Part Number	Category		
Loctite Corporation		2760 Primerless/Strength Threadlocker	32527	Threadlockin		
Loctite Corporation		620 High Temperature Retaining Compound	62005	Retaining Ma		
Loctite Corporation		620 High Temperature Retaining Compound	62040	Retaining Ma		
Loctite Corporation		2440 Primerless Medium Strength Threadlocker	33946	Threadlockin		
Loctite Corporation		2760 Primerless/Strength Threadlocker	32525	Threadlockin		

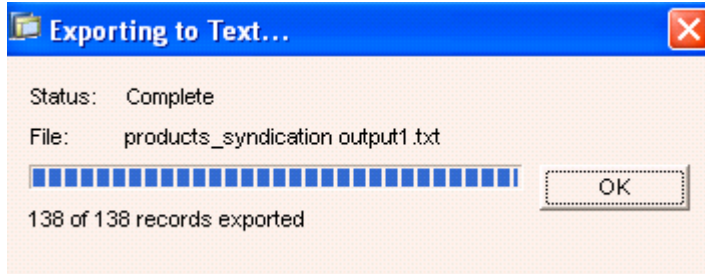
You should see:



22. “Enter the Syndication Output filename. For example:”



23. Click on Save Button. You should see:



You have syndicated the Products data into Flat file successfully.

Snapshot of Syndicated Flat File

Manufacturer	Name	Part Number	Category	Create date
Loctite Corporation	2760 Primerless/Strength Threadlocker	32527	Threadlocking Materials	07/08/2007
Loctite Corporation	620 High Temperature Retaining Compound	62005	Retaining Materials	07/08/2007
Loctite Corporation	620 High Temperature Retaining Compound	62040	Retaining Materials	07/08/2007
Loctite Corporation	2440 Primerless Medium Strength Threadlocker	33946	Threadlocking Materials	07/08/2007
Loctite Corporation	2760 Primerless/Strength Threadlocker	32525	Threadlocking Materials	07/08/2007
Loctite Corporation	635 High-strength/Slow-Cure Retaining Compound	63531	Retaining Materials	07/08/2007
Loctite Corporation	246 High Temp. Medium Strength Threadlocker	29515	Threadlocking Materials	07/08/2007
Loctite Corporation	640 Medium-Strength/High-Temperature Retaining Compound	64031	Retaining Materials	07/08/2007
Loctite Corporation	680 High-strength/High-viscosity Retaining Compound	68005	Retaining Materials	07/08/2007
Loctite Corporation	AssureT 425 Surface Curing Threadlocker	42561	Threadlocking Materials	07/08/2007
Loctite Corporation	2440 Primerless Medium Strength Threadlocker	33948	Threadlocking Materials	07/08/2007
Loctite Corporation	661 Retaining Compound	66141	Retaining Materials	07/08/2007
Loctite Corporation	Tight® Pro LockT Threadlocker	51604	Threadlocking Materials	07/08/2007

Related Content

http://help.sap.com/saphelp_mdm550/helpdata/en/ff/37e4c6857449388ddb6c77f160ac4f/frameset.htm

Copyright

© 2008 SAP AG. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP AG. The information contained herein may be changed without prior notice.

Some software products marketed by SAP AG and its distributors contain proprietary software components of other software vendors.

Microsoft, Windows, Outlook, and PowerPoint are registered trademarks of Microsoft Corporation.

IBM, DB2, DB2 Universal Database, OS/2, Parallel Sysplex, MVS/ESA, AIX, S/390, AS/400, OS/390, OS/400, iSeries, pSeries, xSeries, zSeries, System i, System i5, System p, System p5, System x, System z, System z9, z/OS, AFP, Intelligent Miner, WebSphere, Netfinity, Tivoli, Informix, i5/OS, POWER, POWER5, POWER5+, OpenPower and PowerPC are trademarks or registered trademarks of IBM Corporation.

Adobe, the Adobe logo, Acrobat, PostScript, and Reader are either trademarks or registered trademarks of Adobe Systems Incorporated in the United States and/or other countries.

Oracle is a registered trademark of Oracle Corporation.

UNIX, X/Open, OSF/1, and Motif are registered trademarks of the Open Group.

Citrix, ICA, Program Neighborhood, MetaFrame, WinFrame, VideoFrame, and MultiWin are trademarks or registered trademarks of Citrix Systems, Inc.

HTML, XML, XHTML and W3C are trademarks or registered trademarks of W3C®, World Wide Web Consortium, Massachusetts Institute of Technology.

Java is a registered trademark of Sun Microsystems, Inc.

JavaScript is a registered trademark of Sun Microsystems, Inc., used under license for technology invented and implemented by Netscape.

MaxDB is a trademark of MySQL AB, Sweden.

SAP, R/3, mySAP, mySAP.com, xApps, xApp, SAP NetWeaver, and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP AG in Germany and in several other countries all over the world. All other product and service names mentioned are the trademarks of their respective companies. Data contained in this document serves informational purposes only. National product specifications may vary.

These materials are subject to change without notice. These materials are provided by SAP AG and its affiliated companies ("SAP Group") for informational purposes only, without representation or warranty of any kind, and SAP Group shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP Group products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

These materials are provided "as is" without a warranty of any kind, either express or implied, including but not limited to, the implied warranties of merchantability, fitness for a particular purpose, or non-infringement.

SAP shall not be liable for damages of any kind including without limitation direct, special, indirect, or consequential damages that may result from the use of these materials.

SAP does not warrant the accuracy or completeness of the information, text, graphics, links or other items contained within these materials. SAP has no control over the information that you may access through the use of hot links contained in these materials and does not endorse your use of third party web pages nor provide any warranty whatsoever relating to third party web pages.

Any software coding and/or code lines/strings ("Code") included in this documentation are only examples and are not intended to be used in a productive system environment. The Code is only intended better explain and visualize the syntax and phrasing rules of certain coding. SAP does not warrant the correctness and completeness of the Code given herein, and SAP shall not be liable for errors or damages caused by the usage of the Code, except if such damages were caused by SAP intentionally or grossly negligent.