



How To... Transport Forum Content Between SAP NetWeaver Systems

Applicable Releases:

- **SAP NetWeaver 7.0**
- **SAP NetWeaver 7.0 including Enhancement Package 1**
- **SAP NetWeaver 7.0 including Enhancement Package 2**
- **SAP NetWeaver 7.3**

Topic Area:

User Productivity

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Document History

Document Version	Description
1.0	First official release of this guide
1.1	The title of the <i>Appendix C – Example Import BAT File</i> has been corrected to <i>Appendix D – Example Import BAT File</i> .
1.1	A delimiter (;) between the path to the <code>jload</code> folder and the path to the <code>iaik_jce.jar</code> file has been added to the BAT file samples in sections 4.1 and 4.2.

Typographic Conventions

Type Style	Description
<i>Example Text</i>	Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options. Cross-references to other documentation
Example text	Emphasized words or phrases in body text, graphic titles, and table titles
Example text	File and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools.
Example text	User entry texts. These are words or characters that you enter in the system exactly as they appear in the documentation.
<Example text>	Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system.
EXAMPLE TEXT	Keys on the keyboard, for example, F2 or ENTER.

Icons





Icon	Description
	Caution
	Note or Important
	Example
	Recommendation or Tip

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1. Overview

As part of your business scenario, you may need to transport SAP Forums content from one SAP NetWeaver system to another. Sometimes the release versions of the SAP NetWeaver systems between which you are transporting the forum content may differ. For example, when you plan to move from SAP NetWeaver 7.0 to SAP NetWeaver 7.3 but you want to use the SAP Forum content from the old system in the new one. In other cases, you may want to transport forum content from one system to another in a different location.

In this guide, we will take you through the steps to transport SAP Forums content between SAP NetWeaver systems.

2. Background Information

The transport of forum content comprises the export of the content from a source system and the import of that content into a target system. You may find import and export useful for backing up your stored data or for transferring data from the source system to the target system when upgrading, or when moving the data to a new system in a different location.

When transporting forum content you must take into consideration the user management concepts implemented in the two affected systems. In addition to describing the procedure for transporting the forum content between systems with identical user management concepts, this guide also provides information on the scenarios for handling the forum content in case of differences in the user management concepts implemented in the source and in the target system.

Process Overview

The proper functioning of the forums application depends on the following data:

- Content stored in the database in own tables
- UME users stored in the UME database
- Custom configuration data such as clustering configuration, virus scanning , *Jive URL*

To run the forum application successfully in the target system, you need to export the content from the source system and import it in the target system. Then you need to apply the custom configuration settings manually.

To export and import forum data, you use an SAP tool (*jload.jar*) for exporting tables with their data, table and index definitions, and with other database objects such as constraints, grants, views, synonyms and sequences.

Forum Data That Can Be Transported

You can export and import forum data, such as:

- Category
- Forum
- Thread
- Message
- Settings and properties
- Content hierarchy
- Forum users
- Permissions

- Attachment
- Announcement
- Poll
- Watch

3. Prerequisites

- You have the forum application installed in both the source and the target system. You have basic knowledge of database administration.
- You have file system access to both the source and the target system.
- You have the required permissions to execute SQL queries.
- You have stopped the forum application on both the source and the target system.
- You have the same user management concept implemented on both the source and the target system and the forum users and groups coincide in the two affected systems. Hence, you must have the same users and groups both in the source and in the target system. Otherwise, you need to adjust user management in the target system additionally. For more information, see [Adjust User Management in Case of Different User Management Concepts Implemented in the Two Affected Systems](#).
- You have made sure that there is no forum content in the database tables. Therefore, you must either truncate the tables or undeploy the forums application in the target system before performing the transport. Otherwise, data inconsistencies may occur.



You can start the transport even if the forums application is not deployed on the target system, In this case, you must deploy the application before you continue with step 4.4 in this document.

- You have made sure that there is enough disc space depending on the content you plan to transport.
- You have located the **jload JAR** file on both the source and the target system. The location of the **jload JAR** file depends on the release version of the SAP NetWeaver system, as follows:
 - SAP NetWeaver 7.0 and higher:
`\usr\sap<SID>\SYS\global\sltools\sharedlib\jload.jar`
 - SAP NetWeaver 7.3 and higher:
`\usr\sap<SID>\SYS\global\sltools\sharedlib\sdt_jcopy_jload.jar`

4. Step-by-Step Procedure

To transport the forum content and run the forum application successfully afterwards, you first need to export the content from the source system database, and then import it in the target system database. In case you have different user management concepts implemented in the two affected systems, you need to adjust user management after you have completed the import and before you start the forums application in the target system. Since custom configurations are not transported, you need to apply your custom configuration settings manually. For example, you need to configure the virus scanner settings manually.



All code samples and examples provided in this guide are Windows operating system (OS)-specific. If you are using Linux, you need to change the OS-specific syntax accordingly.

4.1 Export Forum Data from the Source System

1. Create an *EXPORT.xml* file using the content provided in *Appendix A* and store it in the source system.
2. Create a BAT file with the following content:

```
java -classpath <path_to_launcher.jar> -showversion -Xmx1024m
com.sap.engine.offline.OfflineToolStart com.sap.inst.jload.Jload
<path_to_jload_folder>;<path_to_iaik_jce.jar>;<path_to_jdbc.jar> -sec
<SID,data_source_name,SecureStore_property_file,SecureStore_key file>
-dataDir <directory_for_dump_files> - job <path_to_EXPORT.XML_file> -
log <path_to_log_file>
```

For an example of a BAT file relevant for the export, see *Appendix B – Example Export BAT File*.

3. Execute the BAT file you have created.
After you have executed the BAT file, a dump file with the data from the database is available in the folder under the *-dataDir* parameter.

4.2 Import Forum Data in the Target System

1. Copy the dump file created during the export to the target system in a folder dedicated for the transport.
2. Create an *IMPORT.xml* using the content provided in *Appendix C* and store it in the target system.
3. Create a second BAT file with the following content:

```
java -classpath <path-to-launcher.jar> -showversion -Xmx1024m
com.sap.engine.offline.OfflineToolStart com.sap.inst.jload.Jload
<path_to_jload_folder>;<path_to_iaik_jce.jar>;<path_to_jdbc.jar> -sec
<SID,data_source_name,SecureStore_property_file,SecureStore_key file>
-dataDir <directory_where_the_dump_file_from_4.1_is_stored> - job
<path_to_IMPORT.XML_file> - log <path_to_log_file>-
```

For an example of a BAT file relevant for the import, see *Appendix D - Example Import BAT File*.

4. Execute the BAT file you have created.

4.3 Adjust User Management in Case of Different User Management Concepts Implemented in the Two Affected Systems

When adjusting the user management concept, you need to consider the following scenarios:

- All SAP Forums-related UME objects in the source system exist in the target system.
- All or some of the SAP Forums-related UME objects in the source system do not exist in the target system.

To adjust the user management concept, you update the following database tables depending on the type of the UME object:

- *JIVEUSER* – the UME database table for SAP Forums users
- *JIVEGROUP* – the UME database table for SAP Forums groups

The same adjustment procedures apply both for forums users and forums groups. Only the database table you need to update differs depending on the type of the UME object. Therefore, in the explanations below we refer to the UME database objects as *A*, *B* and *C* regardless of their type (user or group).

4.3.1 Adjusting the User Management Concept When All UME Objects in the Source System Exist in the Target System

This scenario has the following variants:

- The UME concepts are identical in the two affected systems.

In this scenario variant, both the source and the target system use one and the same LDAP server for providing the users and groups. You can also have this scenario variant if the administrator has taken additional actions to keep in sync the UME data sources in the target and the target system. In this case, no additional steps are needed. The forum content is correctly mapped to the UME objects of the target system. Hence, to complete the transport, proceed with step 4.4.



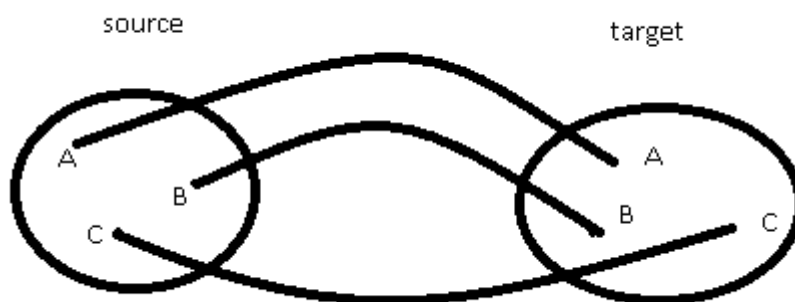
The unique ID of the user *Administrator* is slightly different in the different releases of SAP NetWeaver. Although the difference might be in the capitalization of a single character, the system still considers the corresponding unique IDs as not identical and assigns the relevant forum content to the *Guest* user in the target system.

For example, you may have the following unique IDs:

- Source system – *USER.PRIVATE_SOURCEUSER.un:Administrator*
- Target system – *USER.PRIVATE_SOURCEUSER.un:administrator*

In this case, to avoid the reassignment of forum content to the *Guest* user, you must replace the capital letter with a small one in the corresponding database records in the target system after the import.

The graphic below explains the identical UME concepts scenario variant:



- The users and groups are the same in the two affected systems but their UME unique IDs have different prefixes.
In this scenario variant you again have the same user management concept implemented in the source and the target system but the unique IDs of the UME objects differ in their prefixes. For example, in the source system you may have a user with the following unique ID: *USER.SOURCE.un:Administrator*, whereas the unique ID of the same user in the target system is *USER.TARGET.un:Administrator*.
In this scenario variant, you need to update all database records so that their UMEID matches the required one in the *JIVEUSER* or *JUVEGROUP* tables.



The unique ID of the user *Administrator* is slightly different in the different releases of SAP NetWeaver. Although the difference might be in the capitalization of a single character, the system still considers the corresponding unique IDs as not identical and assigns the relevant forum content to the *Guest* user in the target system.

For example, you may have the following unique IDs:

- Source system – *USER.PRIVATE_SOURCEUSER.un:Administrator*
- Target system – *USER.PRIVATE_SOURCEUSER.un:administrator*

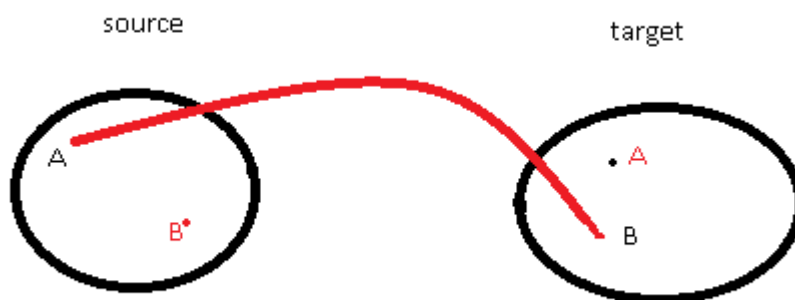
In this case, to avoid the reassignment of forum content to the *Guest* user, you must replace the capital letter with a small one in the corresponding database records in the target system after the import.

4.3.2 Adjusting the User Management Concept When All or Some of the UME Objects in the Source System Do Not Exist in the Target System

This scenario has the following variants:

- The user or group assigned to the content in the source system does not exist in the target system and you want to assign the corresponding content to another user or group that exists only in the target system.

The graphic below provides an overview of this scenario variant.



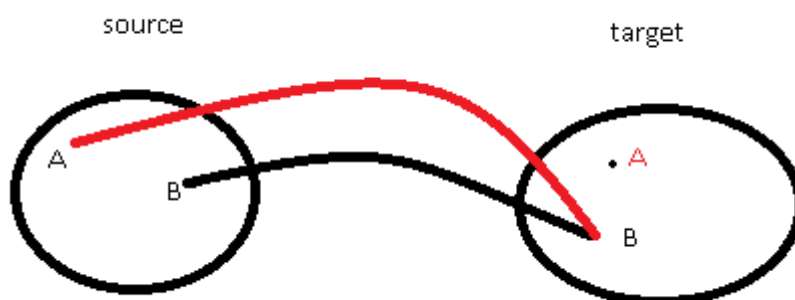
To adjust the user management concept in this scenario variant, proceed as follows:

After the import, update the record **A** in the database of the target system so that its UMEID matches the UMEID of the record **B**.

If a record whose UMEID cannot be found in UME of the target system, for example there is a record in JIVEUSER table with specific UMEID that does not exist in UME, the record will be deleted. For the user example all content of the user will be assigned to the Guest user.

- The user or group assigned to the content in the source system does not exist in the target system and you want to assign the corresponding content to another user or group that exists both in the source and in the target system.

This scenario variant is not supported.



4.4 Start the Forum Application in the Target System

4.5 Apply Your Custom Configuration Settings

After you have imported the forum content in the target system, you have to apply your custom configuration settings manually as if you are installing the forums application anew. Hence, you have to configure the clustering settings, the virus scan settings, the *jiveURL* property which is especially important, and any other custom configuration settings manually after the transport.

1. To update the *jiveURL* property, proceed as follows:
 - In the forums administration console, choose *System -> System Properties*.
 - Choose the *jiveURL* property and change the value so that it matches the URL of the target system (for example, `http://<yourportalhostname>:<port>/forums`).

2. To configure clustering, virus scanning, and e-mail settings, use the corresponding installation guide available in SAP Note [1049553](#) and the corresponding SAP Forums configuration documentation available on help.sap.com.

4.6 Enable Search to Transported Forums Content

Use the following procedure to enable the search function to the transported forums content:

1. Type the following address in the Internet browser URL field:
`http://<host_name>:<port_name>/forums/admin/settings-search.jsp`
2. Choose the *Index Tasks* tab and then in the *Message Index* section, choose *Update Index*.

5. Appendix

Appendix A – *EXPORT.xml* File

Create an *EXPORT.xml* file using the content provided below and store the XML file in the source system.

You must copy the below content as is.

```
<export file="EXPDUMP">
  <object name="JIVEABUSE" type="T" action="describe"/>
  <object name="JIVEABUSE" action="select"/>
  <object name="JIVEANNOUNCE" type="T" action="describe"/>
  <object name="JIVEANNOUNCE" action="select"/>
  <object name="JIVEANNOUNCEPROP" type="T" action="describe"/>
  <object name="JIVEANNOUNCEPROP" action="select"/>
  <object name="JIVEANSWER" type="T" action="describe"/>
  <object name="JIVEANSWER" action="select"/>
  <object name="JIVEATTACHDATA" type="T" action="describe"/>
  <object name="JIVEATTACHDATA" action="select"/>
  <object name="JIVEATTACHMENT" type="T" action="describe"/>
  <object name="JIVEATTACHMENT" action="select"/>
  <object name="JIVEATTACHMENTPROP" type="T" action="describe"/>
  <object name="JIVEATTACHMENTPROP" action="select"/>
  <object name="JIVEAVATAR" type="T" action="describe"/>
  <object name="JIVEAVATAR" action="select"/>
  <object name="JIVEAVATARPROP" type="T" action="describe"/>
  <object name="JIVEAVATARPROP" action="select"/>
  <object name="JIVEAVATARUSER" type="T" action="describe"/>
  <object name="JIVEAVATARUSER" action="select"/>
  <object name="JIVEBAN" type="T" action="describe"/>
  <object name="JIVEBAN" action="select"/>
  <object name="JIVECATEGORY" type="T" action="describe"/>
  <object name="JIVECATEGORY" action="select"/>
  <object name="JIVECATEGORYPROP" type="T" action="describe"/>
  <object name="JIVECATEGORYPROP" action="select"/>
  <object name="JIVEDRAFT" type="T" action="describe"/>
  <object name="JIVEDRAFT" action="select"/>
  <object name="JIVEDRAFTPROP" type="T" action="describe"/>
  <object name="JIVEDRAFTPROP" action="select"/>
  <object name="JIVEEMAILTOKEN" type="T" action="describe"/>
  <object name="JIVEEMAILTOKEN" action="select"/>
  <object name="JIVEFORUM" type="T" action="describe"/>
  <object name="JIVEFORUM" action="select"/>
  <object name="JIVEFORUMPROP" type="T" action="describe"/>
```

```
<object name="JIVEFORUMPROP" action="select"/>
<object name="JIVEGATEWAY" type="T" action="describe"/>
<object name="JIVEGATEWAY" action="select"/>
<object name="JIVEGATEWAYPROP" type="T" action="describe"/>
<object name="JIVEGATEWAYPROP" action="select"/>
<object name="JIVEGROUP" type="T" action="describe"/>
<object name="JIVEGROUP" action="select"/>
<object name="JIVEGROUPPERM" type="T" action="describe"/>
<object name="JIVEGROUPPERM" action="select"/>
<object name="JIVEGROUPPROP" type="T" action="describe"/>
<object name="JIVEGROUPPROP" action="select"/>
<object name="JIVEGROUPUSER" type="T" action="describe"/>
<object name="JIVEGROUPUSER" action="select"/>
<object name="JIVEHREADSTATSESS" type="T" action="describe"/>
<object name="JIVEHREADSTATSESS" action="select"/>
<object name="JIVEID" type="T" action="describe"/>
<object name="JIVEID" action="select"/>
<object name="JIVELINKOBJECT" type="T" action="describe"/>
<object name="JIVELINKOBJECT" action="select"/>
<object name="JIVELOCALIZEDPROP" type="T" action="describe"/>
<object name="JIVELOCALIZEDPROP" action="select"/>
<object name="JIVEMESSAGE" type="T" action="describe"/>
<object name="JIVEMESSAGE" action="select"/>
<object name="JIVEMESSAGEPROP" type="T" action="describe"/>
<object name="JIVEMESSAGEPROP" action="select"/>
<object name="JIVEMODERATION" type="T" action="describe"/>
<object name="JIVEMODERATION" action="select"/>
<object name="JIVENREADSTATSESS" type="T" action="describe"/>
<object name="JIVENREADSTATSESS" action="select"/>
<object name="JIVEOBJECTTAG" type="T" action="describe"/>
<object name="JIVEOBJECTTAG" action="select"/>
<object name="JIVEPMESSAGE" type="T" action="describe"/>
<object name="JIVEPMESSAGE" action="select"/>
<object name="JIVEPMESSAGEFLDR" type="T" action="describe"/>
<object name="JIVEPMESSAGEFLDR" action="select"/>
<object name="JIVEPMESSAGEPROP" type="T" action="describe"/>
<object name="JIVEPMESSAGEPROP" action="select"/>
<object name="JIVEPOLL" type="T" action="describe"/>
<object name="JIVEPOLL" action="select"/>
<object name="JIVEPOLLOPTION" type="T" action="describe"/>
<object name="JIVEPOLLOPTION" action="select"/>
<object name="JIVEPOLLVOTE" type="T" action="describe"/>
```

```
<object name="JIVEPOLLVOTE" action="select"/>
<object name="JIVEPROFILEFIELD" type="T" action="describe"/>
<object name="JIVEPROFILEFIELD" action="select"/>
<object name="JIVEPROFILEFLDOPT" type="T" action="describe"/>
<object name="JIVEPROFILEFLDOPT" action="select"/>
<object name="JIVEPROPERTY" type="T" action="describe"/>
<object name="JIVEPROPERTY" action="select"/>
<object name="JIVEQUESTION" type="T" action="describe"/>
<object name="JIVEQUESTION" action="select"/>
<object name="JIVEQUESTIONPROP" type="T" action="describe"/>
<object name="JIVEQUESTIONPROP" action="select"/>
<object name="JIVERATING" type="T" action="describe"/>
<object name="JIVERATING" action="select"/>
<object name="JIVERATINGTYPE" type="T" action="describe"/>
<object name="JIVERATINGTYPE" action="select"/>
<object name="JIVEREADSTAT" type="T" action="describe"/>
<object name="JIVEREADSTAT" action="select"/>
<object name="JIVEREADSTATSESS" type="T" action="describe"/>
<object name="JIVEREADSTATSESS" action="select"/>
<object name="JIVEREADTRACKER" type="T" action="describe"/>
<object name="JIVEREADTRACKER" action="select"/>
<object name="JIVEREWARD" type="T" action="describe"/>
<object name="JIVEREWARD" action="select"/>
<object name="JIVESEARCH" type="T" action="describe"/>
<object name="JIVESEARCH" action="select"/>
<object name="JIVESEARCHCLICK" type="T" action="describe"/>
<object name="JIVESEARCHCLICK" action="select"/>
<object name="JIVESEARCHCRITERIA" type="T" action="describe"/>
<object name="JIVESEARCHCRITERIA" action="select"/>
<object name="JIVESTATLEVELPROP" type="T" action="describe"/>
<object name="JIVESTATLEVELPROP" action="select"/>
<object name="JIVESTATUSLEVEL" type="T" action="describe"/>
<object name="JIVESTATUSLEVEL" action="select"/>
<object name="JIVETAG" type="T" action="describe"/>
<object name="JIVETAG" action="select"/>
<object name="JIVETHEMEMAP" type="T" action="describe"/>
<object name="JIVETHEMEMAP" action="select"/>
<object name="JIVETHREAD" type="T" action="describe"/>
<object name="JIVETHREAD" action="select"/>
<object name="JIVETHREADPROP" type="T" action="describe"/>
<object name="JIVETHREADPROP" action="select"/>
<object name="JIVEUSER" type="T" action="describe"/>
```

```

<object name="JIVEUSER" action="select"/>
<object name="JIVEUSERPERM" type="T" action="describe"/>
<object name="JIVEUSERPERM" action="select"/>
<object name="JIVEUSERPROFILE" type="T" action="describe"/>
<object name="JIVEUSERPROFILE" action="select"/>
<object name="JIVEUSERPROP" type="T" action="describe"/>
<object name="JIVEUSERPROP" action="select"/>
<object name="JIVEUSERREWARD" type="T" action="describe"/>
<object name="JIVEUSERREWARD" action="select"/>
<object name="JIVEUSERROSTER" type="T" action="describe"/>
<object name="JIVEUSERROSTER" action="select"/>
<object name="JIVEUSERSKILLVALUE" type="T" action="describe"/>
<object name="JIVEUSERSKILLVALUE" action="select"/>
<object name="JIVEVERSION" type="T" action="describe"/>
<object name="JIVEVERSION" action="select"/>
<object name="JIVEVIEWCOUNT" type="T" action="describe"/>
<object name="JIVEVIEWCOUNT" action="select"/>
<object name="JIVEWATCH" type="T" action="describe"/>
<object name="JIVEWATCH" action="select"/>
<object name="JIVEWATCHSETTINGS" type="T" action="describe"/>
<object name="JIVEWATCHSETTINGS" action="select"/>
</export>

```

Appendix B – Example Export BAT File

This is an example of a BAT file that you need to create and execute in order to export forum content:

```

java -classpath "launcher.jar" -showversion -Xmx1024m com.sap.engine.offline.OfflineToolStart
com.sap.inst.jload.Jload
C:\usr\sap\N30\SYS\global\sltools\sharedlib;C:\usr\sap\N30\SYS\global\security\lib\tools\iaik_jce.jar;C:
\usr\sap\N30\SYS\exe\uc\NTAMD64\mssjdbc\jdbc4\sqljdbc4.jar -sec
N30,jdbc/pool/N30,C:\usr\sap\N30\SYS\global\security\data\SecStore.properties -dataDir c:\transport
-job C:\transport\EXPORT.XML -log C:\transport\jload.log

```



The above code sample is an example only. Do not use it in productive systems.

Appendix C – *IMPORT.xml* File

Create an *IMPORT.xml* file using the content provided below and store the XML file in the target system.

You must copy the below content as is.

```

<import file="EXPDUMP">
  <object name="JIVEABUSE" type="T" action="create"/>
  <object name="JIVEABUSE" action="insert"/>

```



```
<object name="JIVEANNOUNCE" type="T" action="create"/>
<object name="JIVEANNOUNCE" action="insert"/>
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<object name="JIVEHREADSTATSESS" action="insert"/>
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<object name="JIVETHREADPROP" type="T" action="create"/>
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```
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<object name="JIVEUSERSKILLVALUE" action="insert"/>
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<object name="JIVEVERSION" action="insert"/>
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<object name="JIVEVIEWCOUNT" action="insert"/>
<object name="JIVEWATCH" type="T" action="create"/>
<object name="JIVEWATCH" action="insert"/>
<object name="JIVEWATCHSETTINGS" type="T" action="create"/>
<object name="JIVEWATCHSETTINGS" action="insert"/>
</import>
```

Appendix D – Example Import BAT File

```
java -classpath "launcher.jar" -showversion -Xmx1024m com.sap.engine.offline.OfflineToolStart
com.sap.inst.jload.Jload
./;c:\usr\sap\R70\JC02\j2ee\JSPM\deploy\lib\tools\iaik_jce.jar;c:\usr\sap\R70\JC02\exe\mssjdb\sqljdb
c.jar -sec
R70,jdbc/pool/R70,C:\usr\sap\R70\SYS\global\security\data\SecStore.properties,C:\usr\sap\R70\SYS\
global\security\data\SecStore.key -dataDir c:\transport -job C:\ transport\IMPORT.XML -log C:\
transport\jload.log
```



The above code sample is an example only. Do not use it in productive systems.

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