## **HP Automation Insight**

Software Version: 1.0



#### **Migrate BSAE Universes and Reports**

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You can migrate your HP BSA Essentials 9.x release SAP BusinessObjects universes and reports to HP Automation Insight (AI). This enables you to run and view your BSAE reports in HP Automation Insight.

Migrating BSAE universes and reports should be done only by the Administrator user.

### **Before You Begin**

Before you can migrate BSAE universes and reports to HP AI, BSAE must be up and running and HP AI must be installed.

Perform the following tasks to migrate your BSAE universes and reports to HP AI:

- 1. Install the BO 3.0 Client Tools
- 2. Import the BIAR File from the BSAE Server
- 3. Run the Upgrade Management Tool on the HP AI Core Server
- 4. Install the BO 4.0 Client Tools
- 5. Update the oracle.sbo File
- 6. Create the BSAE-JDBC Connection
- 7. Restart the SAP BusinessObjects Services on the HP AI Core Server
- 8. Run Migrated Reports

### Install the BO 3.0 Client Tools

The Import Wizard is a client tool provided by SAP BusinessObjects to create or deploy Business Intelligence Archive Resource (BIAR) files. The Import Wizard provides a series of screens that guides you through the process of importing and exporting Business Intelligence content such as user accounts, groups, folders, reports, and universes. Various dialog boxes and user screens may appear depending on the source environment and the types of information that you choose to import. SAP BusinessObjects client tools such as Designer and Import Wizard are part of the BO client tools. BO client tools are shipped with HP AI.

#### **BSAE on Linux and the Import Wizard**

The SAP BusinessObjects client tools are available for Windows platforms. Please install BusinessObjects client tools on a windows system such as a desktop or laptop.

- 1. Copy the BO3SP3ClientTools-3.0.3.zip file from the HP AI core server to the windows system. The BO3SP3ClientTools-3.0.3.zip file can be found on disk 5 of the electronic distribution.
- 2. Create a folder "BO-Client-Tools-3.0" and unzip the BO3SP3ClientTools-3.0.3.zip file to this folder.
- 3. Run the setup.exe file present in the "BO-Client-Tools-3.0" folder.

#### Import the BIAR File from the BSAE Server

Use the SAP BusinessObjects Import Wizard to import the BSAE Business Intelligence Archive Resource (BIAR) file and save it in a local folder.

#### Use the Import Wizard to Create a BIAR File

1. On the windows system, select Start → All Programs → Business Objects XI 3.1 → Business Objects Enterprise Client Tools → Import Wizard

The Import Wizard opens:	
Hand Import Wizard	
	Language : English
Ê	This wizard helps you import information from Crystal Enterprise or BusinessObjects Enterprise into your current BusinessObjects Enterprise deployment. You will need to:
	<ul> <li>Select a source environment</li> </ul>
	<ul> <li>Select a destination environment</li> </ul>
	<ul> <li>Select users and objects to import</li> </ul>
	Throughout this wizard, you can move to the next page by clicking Next, or return to a previous page by clicking Back.
	To begin importing content, click Next.
	< Back Next > Cancel Help

HP Automation Insight

2. Click Next. The Source Environment window opens.

Select an existing object/folder infor	nt environment from which the Wizard will import user/group and mation.
Source:	BusinessObjects Enterprise XI 3 x ▼
Enter the and pass	name of the source CMS. You also need to specify your user name word.
CM <u>S</u> Name:	16.166.49.108
<u>U</u> ser Name:	Administrator
Password:	
Authentication:	Enterprise

- 3. Enter the IP address of the BSAE 9.x source server in the CMS Name field.
- 4. Enter the Administrator user name and password.

5. Click **Next**. The Destination Environment window opens.

Hand Import Wizard	X
Destination environm Select the destination	In environment to which the Wizard will export content.
Destination:	Business Intelligence Archive Resource (BIAR) File
Specify the	Business Intelligence Archive Resource file you want to export to
B <u>I</u> AR file:	C:\Program Files (x86)\Business Objects\BSAEM
	< Back Next > Cancel Help

- 6. Select **Business Intelligence Archive Resource (BIAR) File** from the Destination pull-down menu.
- 7. Browse to the target file location in the file system and select the BIAR file.

8. Click Next. The Select objects to import window opens.

Import Wizard	×
Select objects to import Select the objects to import.	<b>F</b>
The Import Wizard enables you to select objects from the source environment to import to the destination environment. Select one or more categories below to import.	
Import users and users groups       ▲         Import inbox documents       ■         Import personal categories       ■         Import favorite folders for selected users       ■         Import application rights       ■         Import corporate categories       ■         Import folders and objects       ■         Import discussions associated with the selected reports       ▼         Select All       Qlear All	
< <u>B</u> ack <u>N</u> ext > Cancel H	lelp

- 9. Select all options except for "Import remote connections and replication jobs."
- 10. Click Next. Read the note that appears carefully.

on importing server groups	
You have chosen to import server groups from the source environment.	
Server groups are imported without their member servers. After importing is complete, you will need to manually add the desired servers to the imported server groups. Failure to do so will render the server groups invalid, which will prevent any reports dependent on the server group from running successfully.	
( Back ( Next ) Cancel H	lein (
	You have chosen to import server groups from the source environment. Server groups are imported without their member servers. After importing is complete, you will need to manually add the desired servers to the imported server groups. Failure to do so will render the server groups invalid, which will prevent any reports dependent on the server group from running successfully. <a href="https://www.environment.com"></a> <a href="https://www.environment.com"></a> Server groups are imported without their member servers. After importing is complete, you will need to manually add the desired servers to the imported server groups. Failure to do so will render the server group invalid, which will prevent any reports dependent on the server group from running successfully. 

11. Click Next. The Users and groups window opens.

Import Wizard Users and groups Select the users or groups you want to select groups without selecting users,	to import by clicking the box beside the item. To , hold down SHIFT and click the groups.
Groups: hyi01lr0bsaehost08.ind.hp.co AAA/Intemal@100 Administrators Everyone Everyone@100 Guests@100 QaaWS Group Design CaaWS Group Design	Users: DM:6400 A Administrator ner and Lisers ed users
<	Back Next > Cancel Help

12. Select the user groups including any custom groups that you created in your environment.

**Note:** Do not select the "Administrators" group or SA users when importing the BIAR file as this will overwrite the HP AI Administrator password. 13. Click Next. The Custom Access Levels window opens.

Import Wizard	×
Custom Access Levels Select Custom Access Levels to import	Ĩ₽
Invi01Ir0bsaehost08 ind.hp.com:6400 (BusinessObjects Enterprise XI 3.x)      BSAE Management     BSAE Read     BSAE Schedule     BSAE Write     Full Control     Schedule     View     View     View	
Select All Clear All	
< <u>B</u> ack <u>N</u> ext > Cancel	Help

14. Click Next. The Categories window opens.

Import Wizard	×
Categories Select the categories you want to import.	
Hyi01lr0bsaehost08 ind hp.com:6400 (BusinessObjects Enterprise XI 3 x) 	
Select All Clear All	
< <u>B</u> ack <u>N</u> ext > Cancel	Help

15. Click **Next**. The Folders and objects window opens.

Import Wizard	×
Folders and objects Select the folders and objects you want to import by clicking the box beside the item.	
<ul> <li>Hyi01lr0bsaehost30.ind.hp.com:6400 (BusinessObjects Enterprise XI 3.x)</li> <li>Herein BSAE</li> <li>HPSA Compliance</li> <li>HPSA Inventory</li> <li>Herein Report Conversion Tool</li> </ul>	
Select All Clear All	
< Back Next > Cancel	Help

16. Select the source folders and objects you want to import.

Note: When you select the reports and objects to import, the Import Wizard identifies the folder hierarchy.

17. Click Next. The Select application folders and objects window opens.

F Import Wizard	×
Select application folders and objects Select the application folders and objects you want to import. If the selected folders and objects exist on destination system, they will be updated using the source system as a reference.	
<ul> <li>Invi01Ir0bsaehost08.ind.hp.com:6400 (BusinessObjects Enterprise XI 3.x)</li> <li>Image: CommonConnections</li> <li>Image: Co</li></ul>	
Select All Clear All	
< <u>B</u> ack <u>N</u> ext > Cancel	Help

18. Click **Next**. The Import objects for universes and connections window opens.

Import Wizard	×
Import options for universes and connections	
Select an importing option for universe objects:	
C Import all universes and all connection objects.	
C Import all universe and only <u>c</u> onnection objects used by these universes.	
Import the universes and connections that the selected Web Intelligence and Desktop Intelligence documents use directly. In the next dialog box, you can select additional universes that are not used by any imported document.	
Select the following option if you want universe overloads to be migrated with the universes.	
Keep universe overloads for imported users and groups	
< <u>Back</u> <u>N</u> ext > Cancel	Help

19. Select the third option.

20. Click **Next**. The Universe folder and universes window opens.

Import Wizard	x
Universe folder and universes Select the universe folders and universes you want to import by selecting the box beside the item.	
<ul> <li>Hyi01lr0bsaehost08.ind.hp.com:6400 (BusinessObjects Enterprise XI 3.x)</li> <li>BSAE Universes</li> <li>NA General Universe</li> <li>SA Compliance Universe</li> <li>SA General Universe</li> <li>SA General Universe</li> <li>Report Conversion Tool Universes</li> </ul>	
Select All Clear All	
< <u>B</u> ack <u>N</u> ext > Cancel He	elp

21. Select the BSAE Universes folder and select any user created folders.

22. Click **Next**. The Import repository object options window opens.

🛃 Impo	ort Wizard
<b>Impo</b> C	ort repository object options. Choose an option to import selected reports that use repository objects.
s	Select an importing option for repository objects:
	C Import all repository objects.
	C Import only repository objects that the selected reports use directly. (Warning: this may affect business view object integrity)
	Import repository objects that the selected reports use directly, as well as any other repository objects they depend on.
	< <u>B</u> ack <u>N</u> ext > Cancel Help

23. Select the third option.

24. Click Next. The Import options for publications window opens.

Import Wizard	×
Import options for publications.	
Select import option for importing profiles.	
Import all profiles.	
C Import profiles used by selected publications.	
Select import option for importing publication recipients.	
Import recipients used by selected publications.	
C Do not import recipients.	
< Back Next > Cancel	Help

25. Select Import all profiles and Import recipients used by selected publications.

26. Click **Next** until the Ready to import wizard opens.

F Import Wizard		x
	Ready to import The Import Wizard will now import all selected objects.	
	Selected objects to import	
	< <u>B</u> ack Finish Cancel He	elp

27. Verify the list of objects selected for BIAR creation. Click Finish to complete the BIAR file export.

Import Wizard	23
Poody to import	
Import progress:	
Import summary:	
Import Info Warnings	<u> </u>
8 of 8 Groups imported (0 warnings)	
2 of 2 Users imported (0 warnings)	
29 of 30 Folders imported (0 warnings)	=
0 of 0 Object packages imported (0 warnings)	
0 of 0 Objects imported (0 warnings)	
0 of 0 Shortcuts imported (0 warnings)	
0 of 0 Events imported (0 warnings)	
U of U Server Groups imported (U warnings)	
0 of 0 Calendars imported (0 warrings)	
3 of 3 Universes imported (0 warrings)	-
<u>V</u> iew Detail Log <u>D</u> one	
(Park Drick Count	Usia I
< <u>B</u> ack Finish Cancel	нер

- 28. Click **View the Detail Log** and review the import information.
- 29. Click **Done** to complete the BIAR creation process. The BIAR file is generated in the specified location.
- 30. Copy the BSAE BIAR file to the target HP Automation Insight core server.

### Run the Upgrade Management Tool on the HP AI Core Server

Type the following command to run the Upgrade Management Tool (UMT) to upgrade the BSAE BIAR file to BI 4.0 SP7:

```
/opt/HP/CBI/businessobjects/sap_bobj/enterprise_xi40/linux_x64/jdk/jre/bin/ja
va -Xmx2g -
Djava.library.path="/opt/HP/CBI/businessobjects/sap_bobj/enterprise_xi40/java
/apps/upgradeManagementTool/jars" -Djava.io.tmpdir=<temp_dir> -jar
"/opt/HP/CBI/businessobjects/sap_bobj/enterprise_xi40/java/apps/upgradeManage
mentTool/jars/upgrademanagementtool.jar" -mode biartolive -biarfile
<BSAE_BIAR_FILE_PATH> -destination <AI Core IP:CMS_PORT> -destinationusername
"Administrator" -destinationpassword <administrator-password> -logfile
<log_file_path>
```

### Install the BO 4.0 Client Tools

The SAP BusinessObjects client tools are available for Windows platforms. Please install the SAP BusinessObjects client tools on a windows system such as a desktop or laptop.

Perform the following steps to install the BO 4.0 client tools:

- 1. Copy the BO4SP7ClientTools-4.0.7.zip file from the HP AI core server to the windows system.
- 2. Create a folder "BO-Client-Tools-4.0" and unzip the BO4SP7ClientTools-4.0.7.zip file to this folder.
- 3. Run the setup.exe file present in the "BO-Client-Tools-4.0" folder.

### Update the oracle.sbo File

Perform the following steps to update the oracle.sbo file:

1. Copy the

/opt/HP/CBI/businessobjects/sap\_bobj/enterprise\_xi40/dataAccess/connect ionServer/jdbc/ojdbc6-11.2.0.3.0.jar file from the HP Al core server to the "C:\Program Files (x86)\SAP BusinessObjects\SAP BusinessObjects Enterprise XI 4.0\dataAccess\connectionServer\jdbc" directory where the 4.0 client tools are installed.

- 2. Go to the C:\Program Files (x86)\SAP BusinessObjects\SAP BusinessObjects Enterprise XI 4.0\dataAccess\connectionServer\jdbc directory.
- 3. Add "OJDBC driver" file path to the Class Path in the oracle.sbo file as shown below. Add the following content to the oracle.sbo file under the "Oracle 11" node.

```
<Class
JARFile="dbd_oracle">com.sap.connectivity.cs.java.drivers.jdbc.oracle.0
racleDriver</Class>
```

<JDBCDriver>

<ClassPath>

<Path>\$ROOT\$/drivers/java/dbd jdbcwrapper.jar</Path>

<Path> C:\Program Files (x86)\SAP

BusinessObjects\SAP BusinessObjects Enterprise XI

4.0\dataAccess\connectionServer\jdbc\ ojdbc6-11.2.0.3.0.jar

</Path>

</ClassPath>

<Parameter Name="JDBC

Wrapper">com.sap.connectivity.cs.java.drivers.jdbc.wrapper.JDBCWrapper<
/Parameter>

</JDBCDriver>

## **Create the BSAE-JDBC Connection**

Perform the following steps to create the BSAE-JDBC connection:

- 1. Open the Universe Design Tool from Start→Programs→SAP Business Intelligence→ Universe Design Tool.
- 2. Enter the login credentials of the HP AI core server administrator user.
- 3. Click OK.

User Identification	<b>X</b>
	SAP Business Objects
Enter your name and p	assword to log in.
System	16.166.49.197
User Name:	administrator
Password:	******
Authentication	Enterprise
	OK Cancel Help

Create a BSAE-JDBC connection object and create the associations between the BSAE universes and the BSAE-JDBC connection. Select **Tools** → **Connections** from the Universe Designer Tool menu. The connection panel window opens.

Connect	tion Par	nel	_				X
Connec The	tions Li list of av	st vailable con	nections to acc	ess data			
<b>i</b>	1	×	* 6 6	✓ 🖾		1	
Name	1	Туре	Network	Layer Da	tabase E	Folder	
BSAE	-JDBC	Secured	JDBC	Or	ade 11	1	
CBI_C	CON	Secured	JDBC	Ve	rtica JDBC	1	
CBI_T	fest	Secured	JDBC	Ve	rtica JDBC	1	
Conv	ersio	Secured	Oracle O	OCI Or	ade 10	1	
🎁 efash	ion	Secured	ODBC	MS	Access 2	1	
🎁 efash	ion	Secured	ODBC	MS	Access 2	1	
-							
1							
			1	Tiose	Cancel		Help

5. Click the Create New Connection () icon. The New Connection Wizard opens.

Connection Type :	Contract Secured	•
Connection Name:	BSAE-JDBC	
Connection Folder:	/	
Connection Description:		

- 6. Enter **BSAE-JDBC** in the Connection Name field.
- 7. Click the folder (<sup>CD</sup>) icon to select the location to store the BSAE-JDBC connection.

8. Click Next. The Database Middleware Selection window opens.

Define a new connection				23
Database Middleware Se Expand a database node Access driver for the cor	e, expand the minection.	ddleware node, a	and select the Da	ıta
Filter On:	/endor		- -	<b>Ⅲ ⊕</b> ⊖
<ul> <li>Ingres</li> <li>Microsoft</li> <li>Microsoft</li> <li>Metezza</li> <li>Oracle</li> <li>Hyperion Essbase</li> <li>Hyperion Essbase</li> <li>MySQL 5</li> <li>Oracle 10</li> <li>Oracle 11</li> <li>Oracle 11</li> <li>Oracle 11</li> <li>Oracle 11</li> <li>Filter stored procedure network</li> </ul>	e 7 e 9 work layer			
	< Back	Next >	Cancel	Help

9. Select the Oracle 11 JDBC Drivers.

10. Click Next. The Login parameters window opens.

Bedit BSAE-JDBC connection	×
Login parameters [3/5] Define the login parameters to ac	ccess your database using JDBC middleware
Authentication Mode	Use specified usemame and password
User Name	cmdb_admin
Password	
Server(s) (host:port{.host:port})	16 166 49 209 1521
Net Service	bsaedb
Test Connection < Ba	ack <u>N</u> ext > Cancel <u>H</u> elp

11. Enter the Database credentials and IP address, and the name of the database for the BSAE database server. If the BSAE server is a single server, enter the core server details. If the BSAE server is in a dual server configuration, specify the BSAE database server details. Do not use "Admin" as the User Name.

12. Click Next. The Configuration Parameters window opens.

Bedit BSAE-JDBC connection	22
Configuration Parameters [4/5] Define the advanced parameters to access your databas middleware	se using JDBC
Connection Pool Mode	Keep the connection active 💌
Pool Timeout	60 🕂 Minutes
Array Fetch Size	5
Array Bind Size	10
Login Timeout	600 ÷ \$SECON
Query Timeout	\$SECON
JDBC Driver Properties (key=value,key=value)	
< <u>B</u> ack <u>N</u> ext >	Cancel <u>H</u> elp

13. Enter the Connection Parameters values.

14. Click Next. The Custom Parameters window opens.

Bedit BSAE-JDBC connection	on			×
Custom Parameters [5/5 Define the custom para Client	) meters to access	s your Oracle dat	abase server using l	Net
Custom Parameters	ň.	1		

15. Click **Finish**. The Connections List window opens.

L Connection Panel			X		
Connections List The list of available connec	tions to access data	a			
`≡ 🕽 -⁄ 🗄 🗙 🐰		<b>a</b>	<b>a</b>		
Name 🛆 Type	Network Layer	Database E	Folder		
AI Secured AI_Conne Secured BSAE-JDBC Secured	JDBC JDBC JDBC	Vertica JDBC Vertica JDBC Oracle 11			
Test the connection - "BSAE-JDBC"					
	Close	Cancel	Help		

- 16. Open the connection and select the test connection icon ( $\checkmark$ ) to test the connection status. Verify that the connection is working.
- 17. Associate the BSAE universes with the above connection. Go to **File** → **Import** from the Universe Designer Tool menu.

#### HP Automation Insight: Migrate BSAE Universes and Reports

Import Universe					
Folder:	Select a universe domain in the r Select the universe you want to a universe. A grayed padlock me universe.	repository to see available u o import. Double-dick to lock o eans someone else has locke Brow	niverses. or unlock d the se		
	Open the selected universe	<u>s</u>			
Available Universes	S:	Select a Universe Folder	_		
Description:	C:\Users\vadaga\AppData	Available Universe Folde	rs: st97.ind.hp. ses rersion Tool ses	com:6400 Universes	
	OK			ОК	Cancel

- 18. Select **BSAE Universes**.
- 19. Click **OK**.

Import Universe		×
	Select a universe domain in the repository to see available universes. Select the universe you want to import. I or unlock a universe. A grayed padlock means someone else has locked the universe.	ouble-click to lock
Folder:	/BSAE Universes ▼	Browse
Available Universes		
Universe Name	Locked by	
NA General Un	iverse	
SA Compliance	Universe	
SA General Un	verse	
Descistions		F
Description:		
version 1.12		÷
Import Folder:	C:\Users\vadaga\AppData\Roaming\SAP BusinessObjects\SAP BusinessObjects Enterprise XI 4.0\Univers	es
		Browse
	OK Cancel	Help

- 20. Select the SA Compliance Universe from the Available Universes list.
- 21. Click **Browse** under Import Folder.
- 22. Browse to and then select the Import Folder.
- 23. Click **OK**.

24. Select **File** → **Parameter** from the Universe Designer Tool menu. The Universe Parameters window opens.

Universe Parameter	2			×
Definition Summ	ary   Strategies   Controls   SC	QL Links	Parameter	
<b>1</b>	The following information identi name and database connection	fies the univer :	se. A universe is o	defined by its
Na <u>m</u> e:	SA Compliance Universe			
Description:	SA Compliance Universe			*
				-
Connection Fold	er:			
1				
Connection:	1 BSAE-JDBC			<u>,</u> de el
	BSAE-JDBC			est
Click here to	fill efashion	on		=
	n efashion-webi			-
		ОК	Cancel	Help

- 25. Select **BSAE-JDBC** from the Connection pull-down menu.
- 26. Select **File**  $\rightarrow$  **Export** from the Universe Designer Tool menu.
- 27. Click OK.
- 28. Repeat Steps 17 to 27 for each imported BSAE universe.
- 29. Update the oracle.sbo file on the HP AI core server. Update the oracle.sbo file located in the path

```
"/opt/HP/CBI/businessobjects/sap_bobj/enterprise_xi40/dataAccess/connect
ionServer/jdbc/"
```

#### Add the following text in the file under the DataBase tag with name as "Oracle 11".

# Restart the SAP BusinessObjects Services on the HP AI Core Server

After you establish the connection between BSAE and the HP Automation Insight core server, type the following commands to restart the SAP BusinessObjects services on the HP AI core server:

/etc/init.d/SAPBOBJEnterpriseXI40 stop
/etc/init.d/SAPBOBJEnterpriseXI40 start

### **Run Migrated Reports**

After you have completed importing the BIAR file, establishing the BSAE-JDBC connection and updating the oracle.sbo file, the BSAE folders can be found in BI from HP Automation Insight, and you can view and run your BSAE reports and generate new reports from your BSAE universes.

**Note:** The BSAE database server must be up and running in order to run or create BSAE reports from migrated BSAE universes.