

# 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.

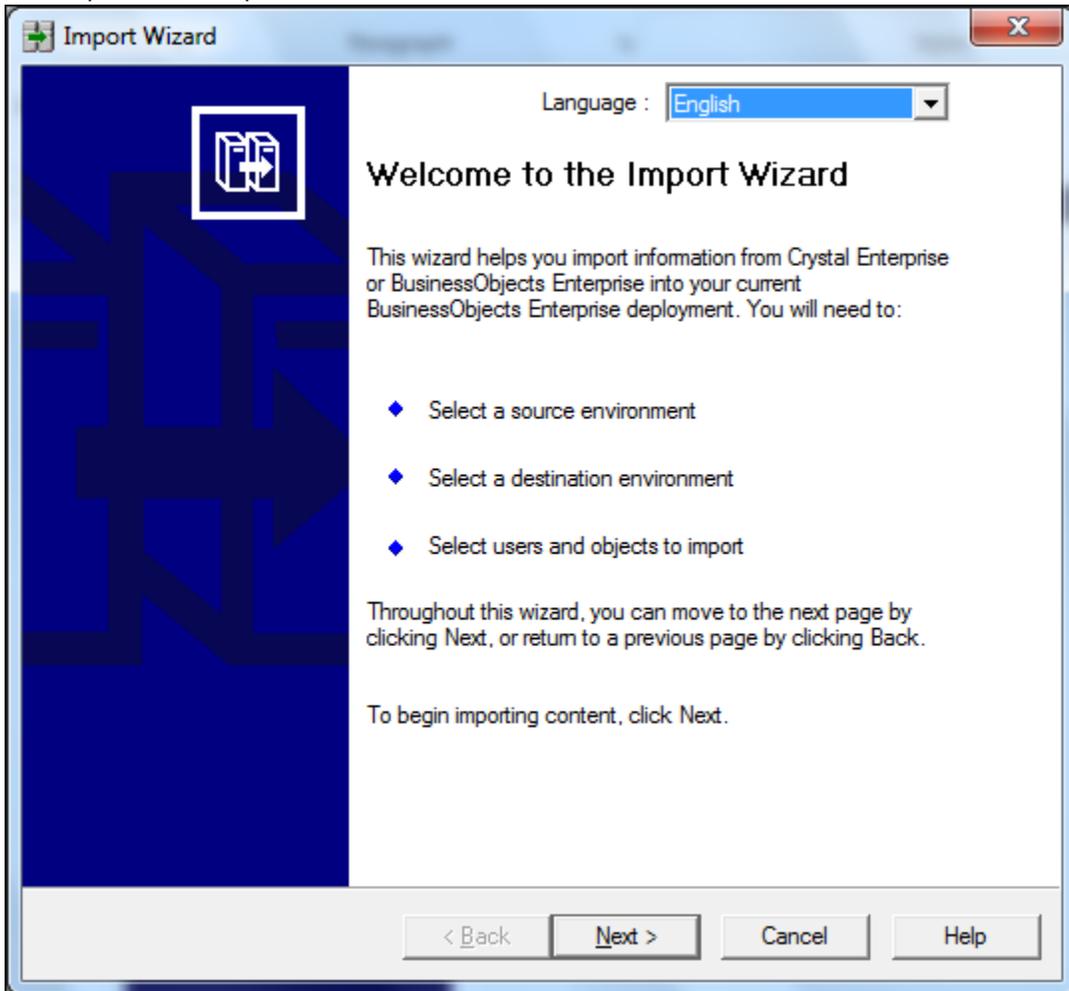
## Import the BIAR File from the BSAE Server

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:

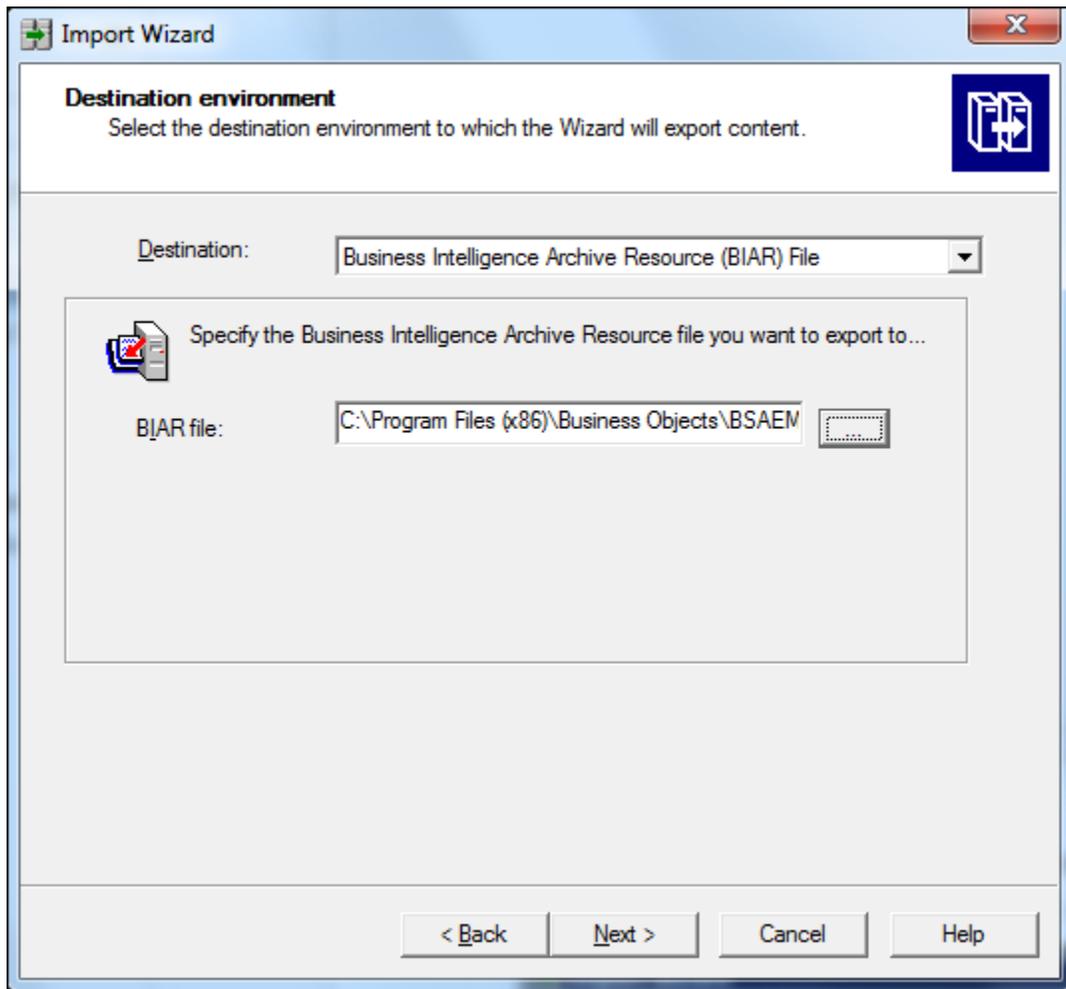


2. Click **Next**. The Source Environment window opens.

The screenshot shows the 'Import Wizard' dialog box with the 'Source environment' step selected. The title bar reads 'Import Wizard' and the subtitle is 'Source environment'. Below the subtitle, it says 'Select an existing environment from which the Wizard will import user/group and object/folder information.' A dropdown menu for 'Source:' is set to 'BusinessObjects Enterprise XI 3.x'. Below this is a section with a document icon and the text 'Enter the name of the source CMS. You also need to specify your user name and password.' This section contains four input fields: 'CMS Name:' with the value '16.166.49.108', 'User Name:' with the value 'Administrator', 'Password:' with a masked password '\*\*\*\*\*', and 'Authentication:' with a dropdown menu set to 'Enterprise'. At the bottom of the dialog are four buttons: '< Back', 'Next >', 'Cancel', and 'Help'.

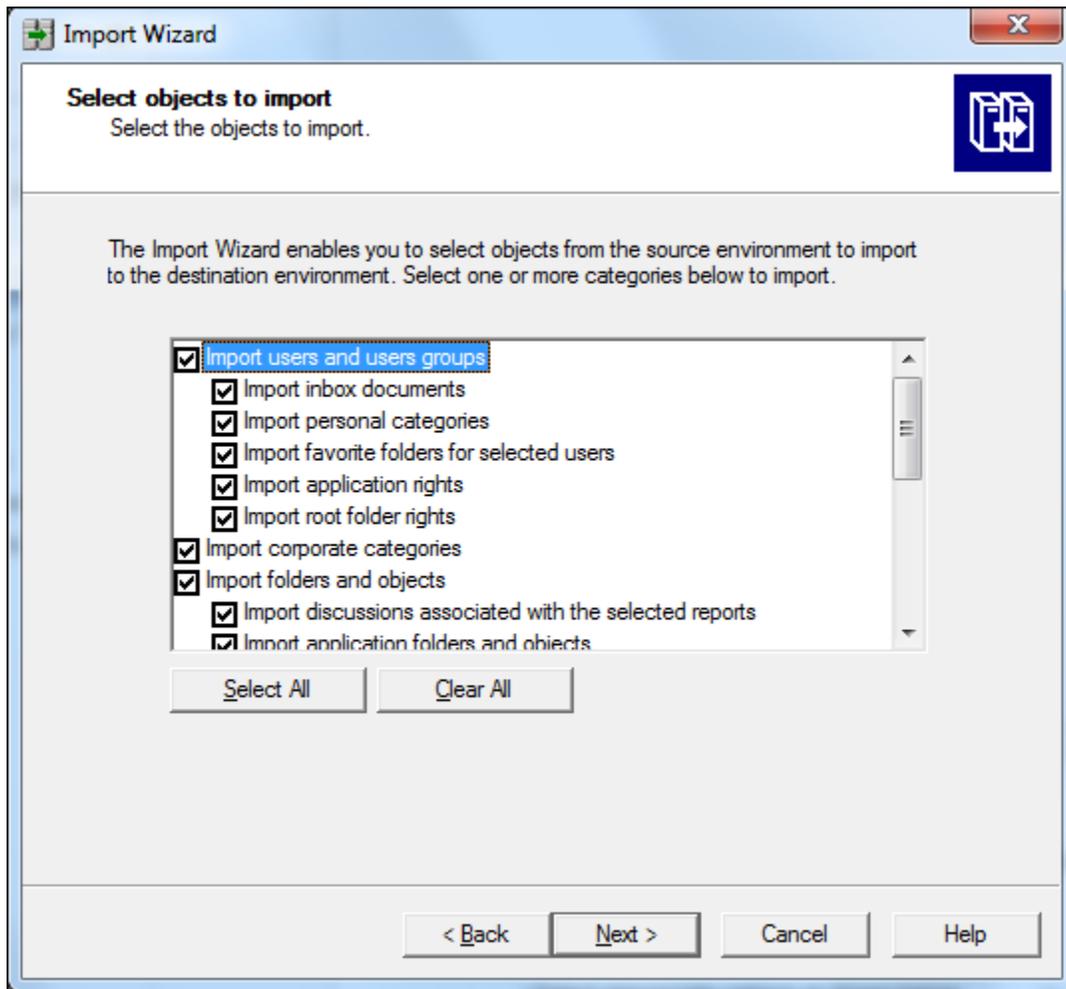
3. Enter the IP address of the BSAE 9.x source server in the **CMS Name** field.
4. Enter the Administrator user name and password.

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

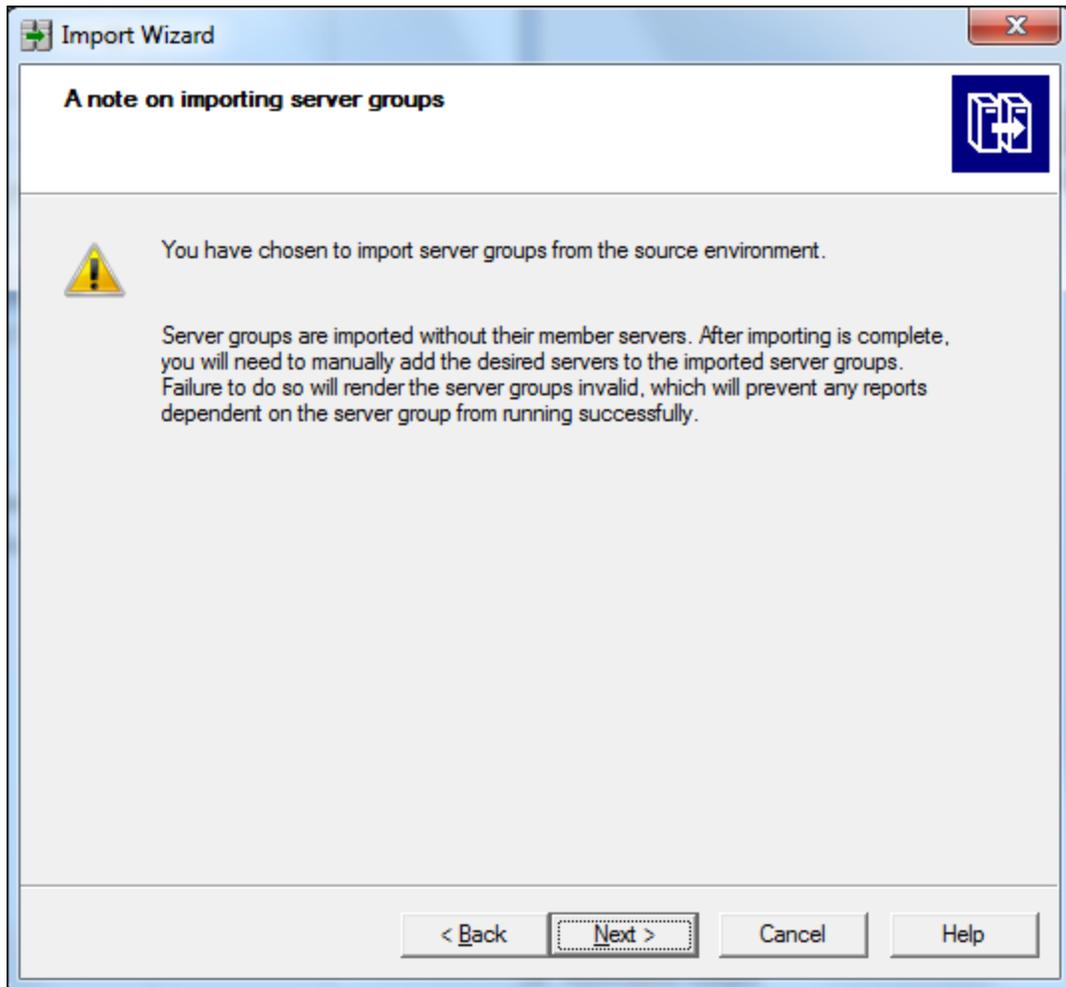


6. Select **Business Intelligence Archive Resource (BIAR) File** from the Destination pull-down menu.
7. Browse to the target file location in the file system and select the BIAR file.

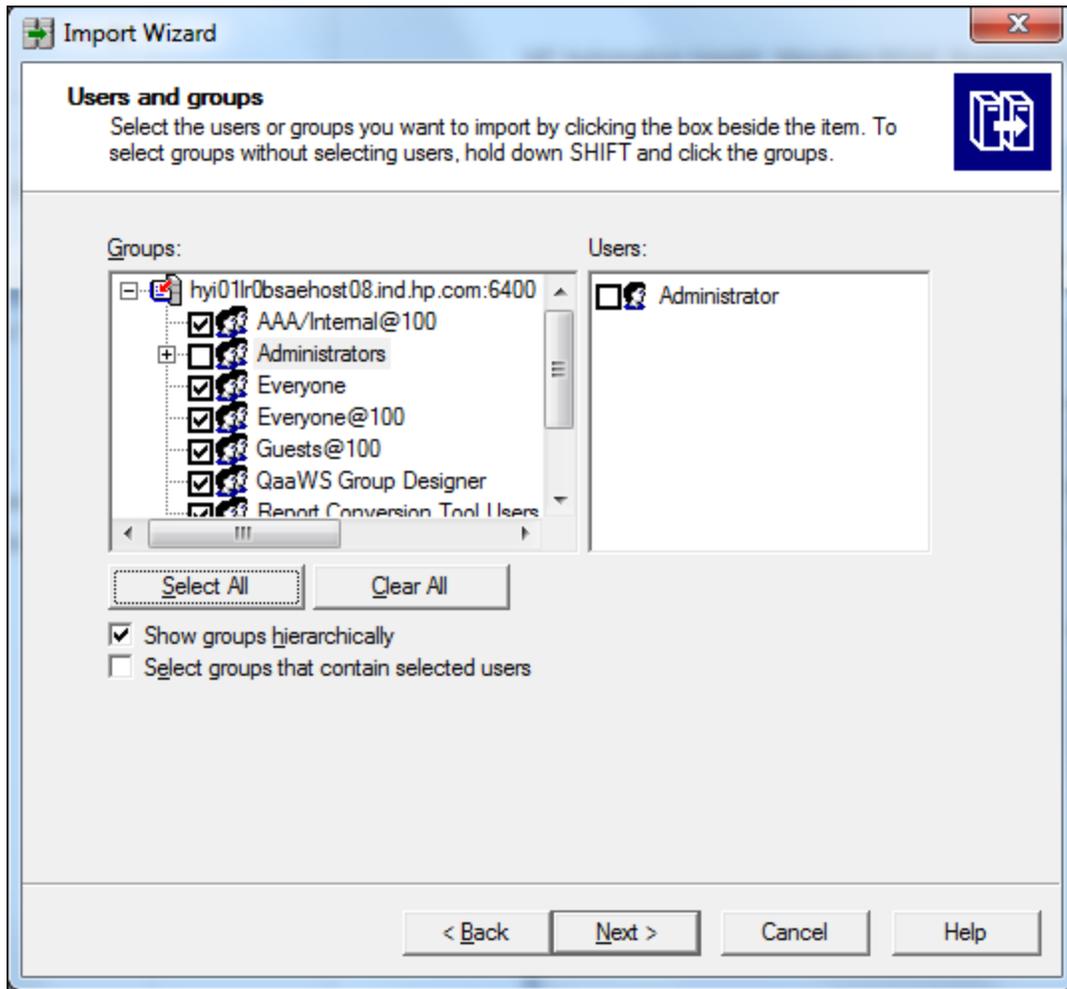
8. Click **Next**. The Select objects to import window opens.



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



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



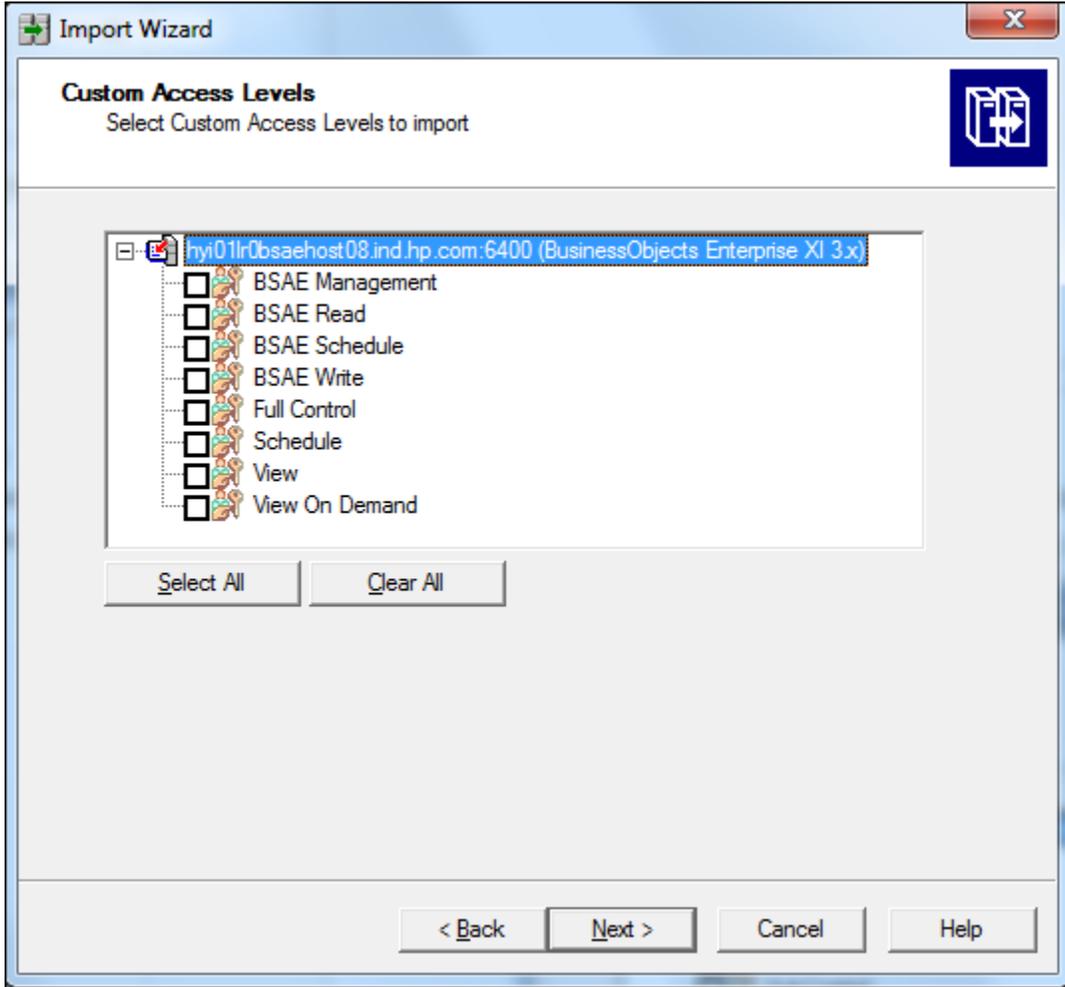
12. Select the user groups including any custom groups that you created in your environment.

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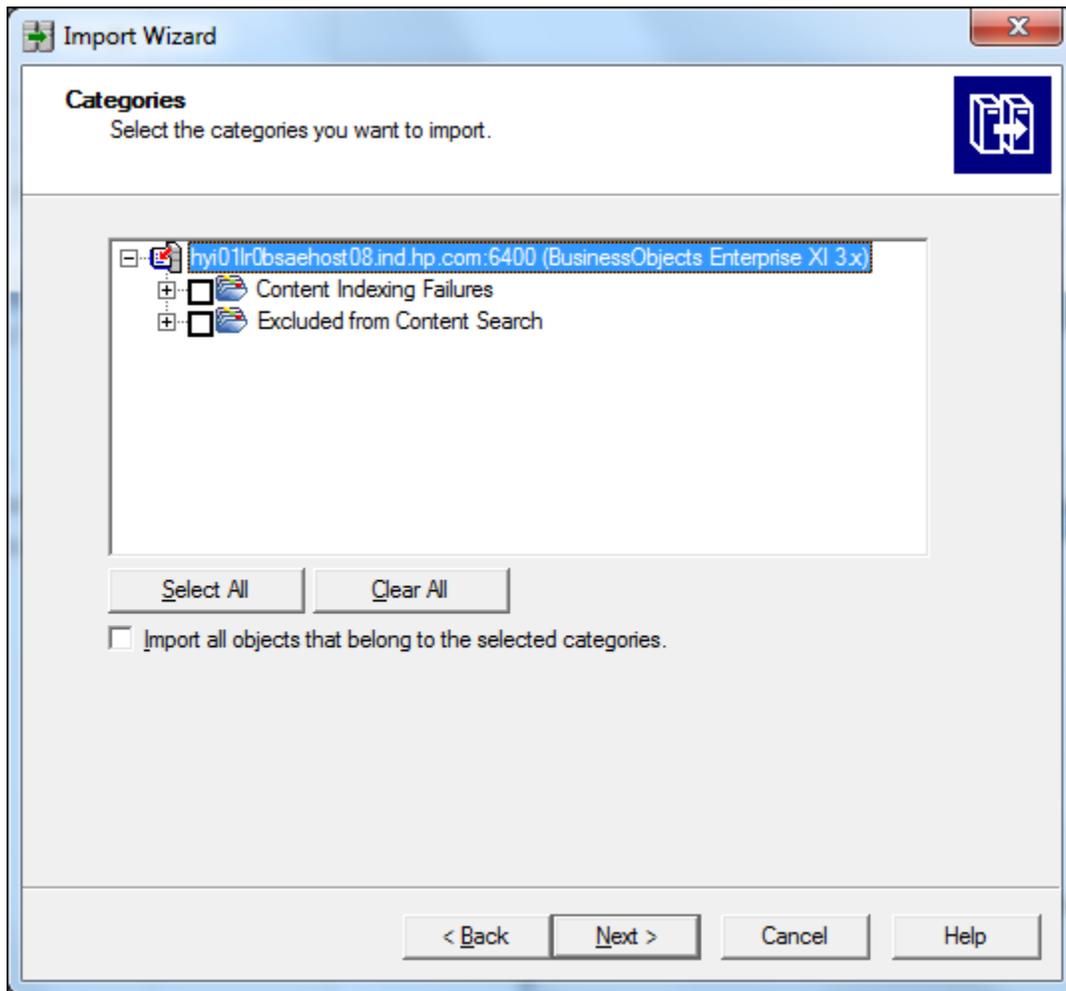
**Note:** Do not select the “Administrators” group or SA users when importing the BIAR file as this will overwrite the HP AI Administrator password.

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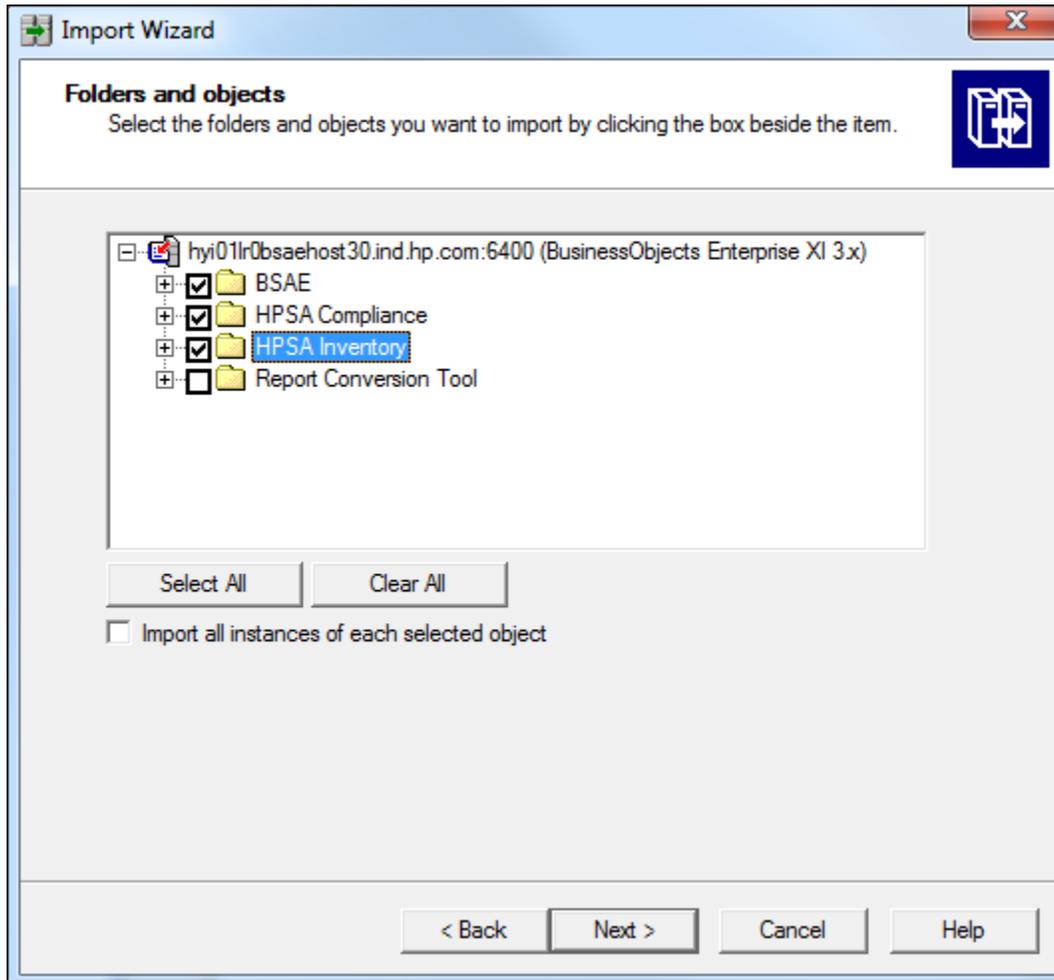
13. Click **Next**. The Custom Access Levels window opens.



14. Click **Next**. The Categories window opens.



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



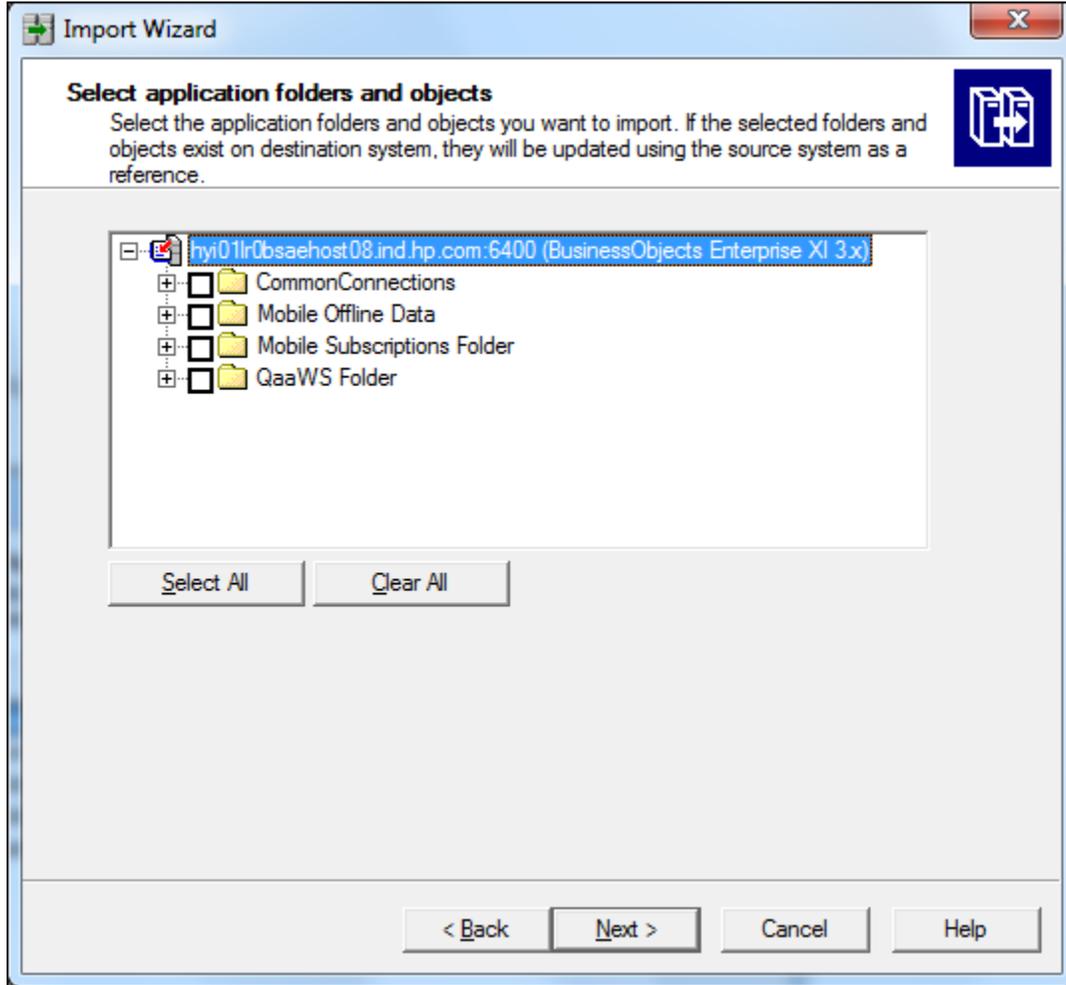
16. Select the source folders and objects you want to import.

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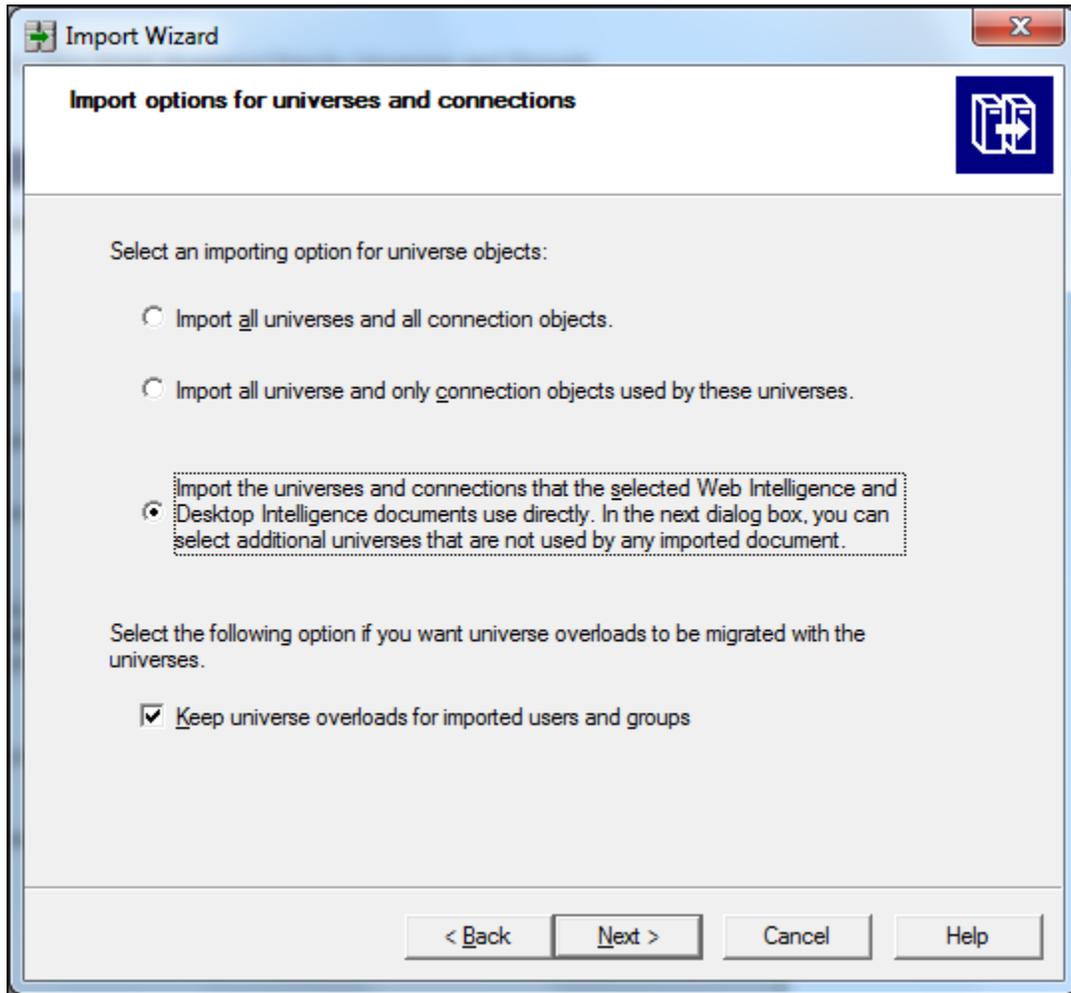
**Note:** When you select the reports and objects to import, the Import Wizard identifies the folder hierarchy.

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

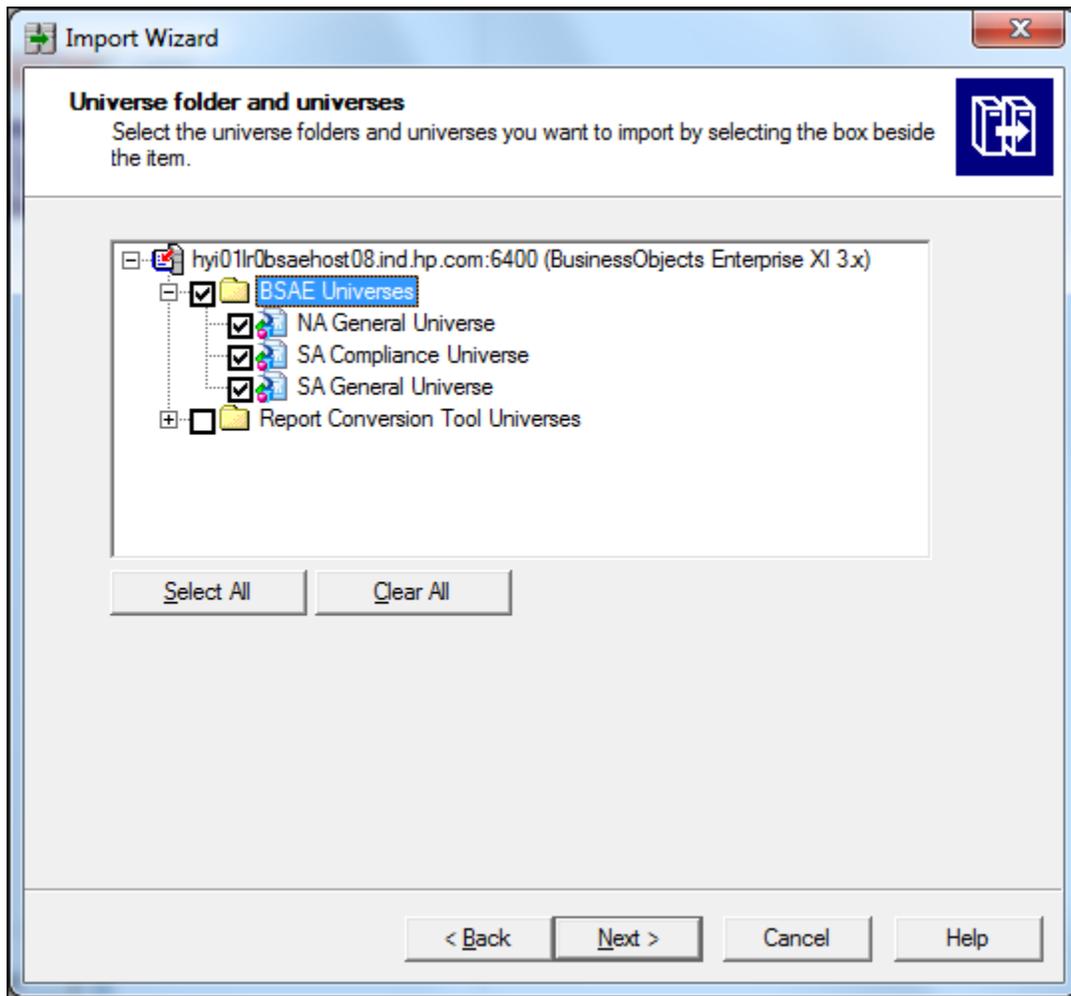


18. Click **Next**. The Import objects for universes and connections window opens.



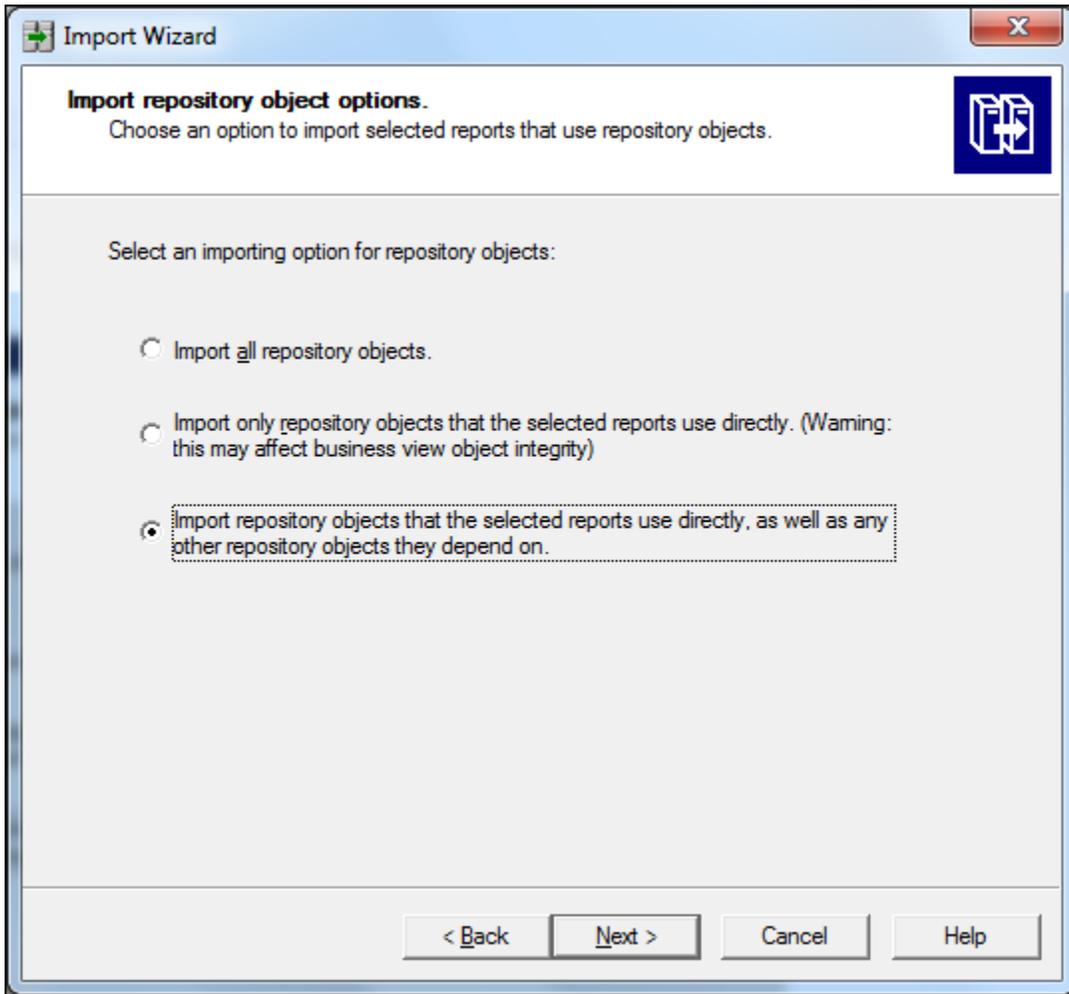
19. Select the third option.

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



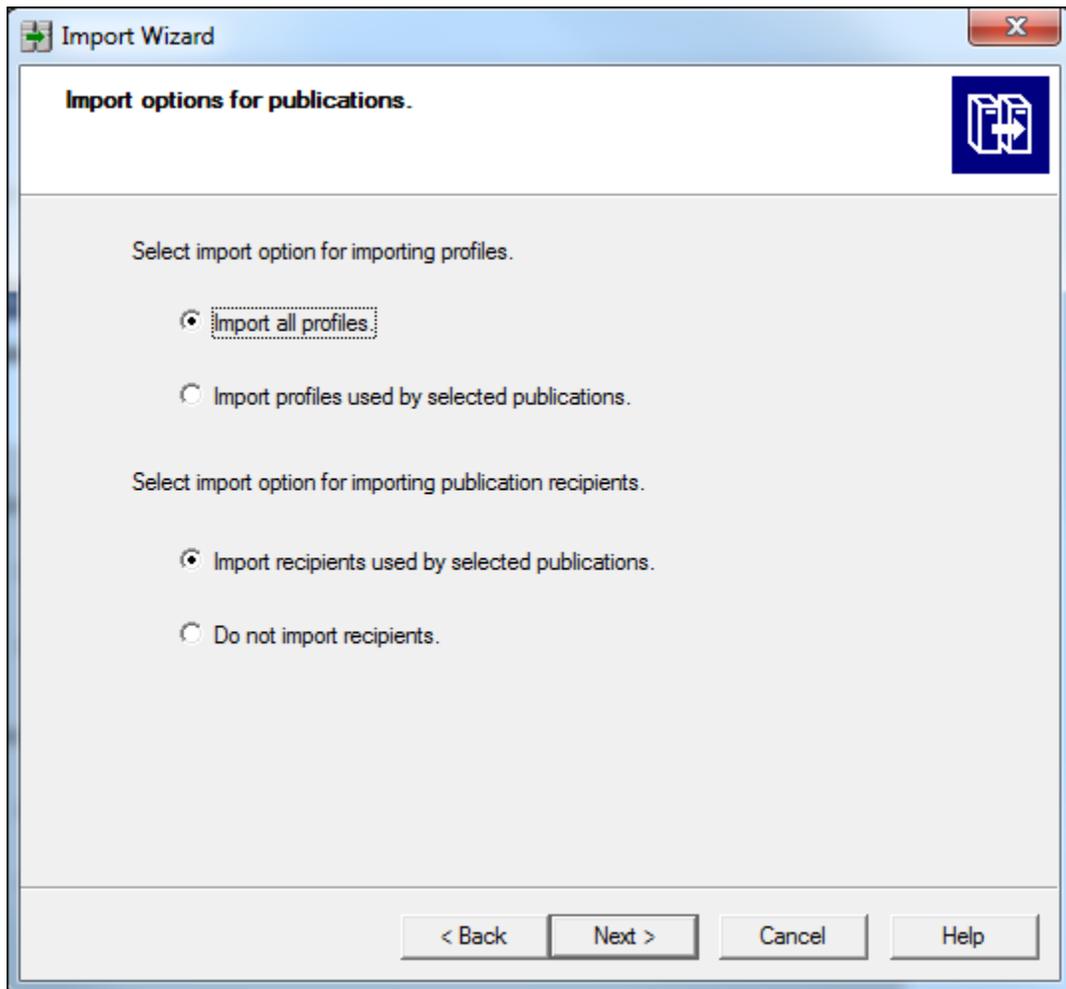
21. Select the BSAE Universes folder and select any user created folders.

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



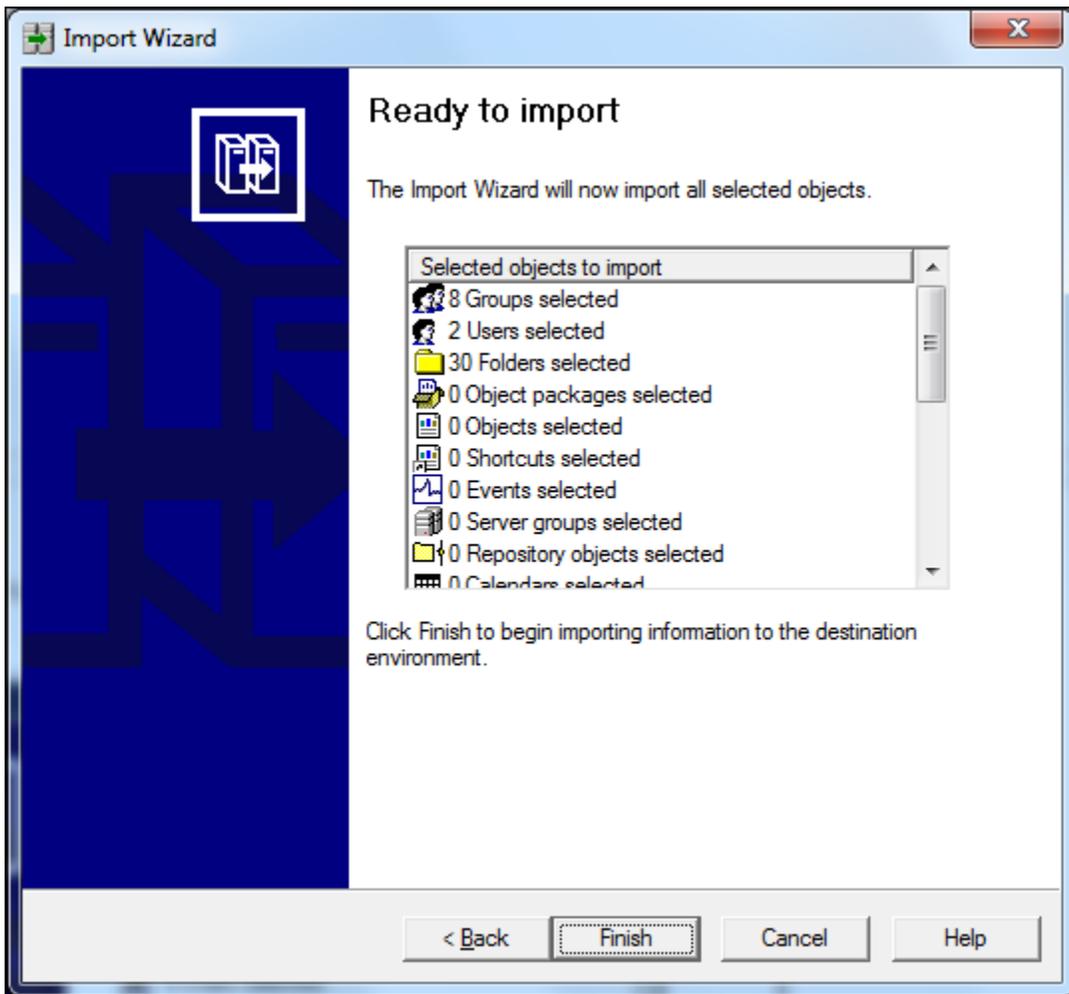
23. Select the third option.

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

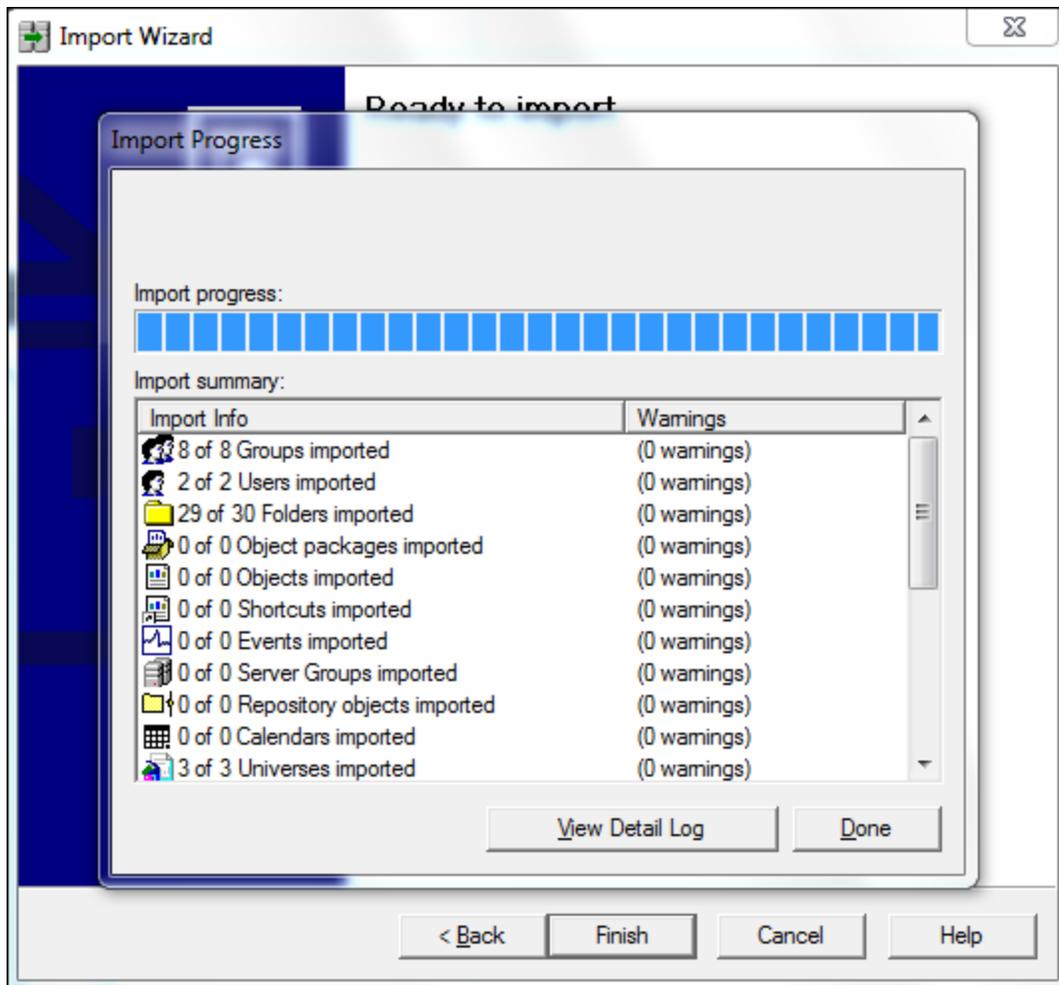


25. Select **Import all profiles** and **Import recipients used by selected publications**.

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



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



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/java
 -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/upgradeManagementTool/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:

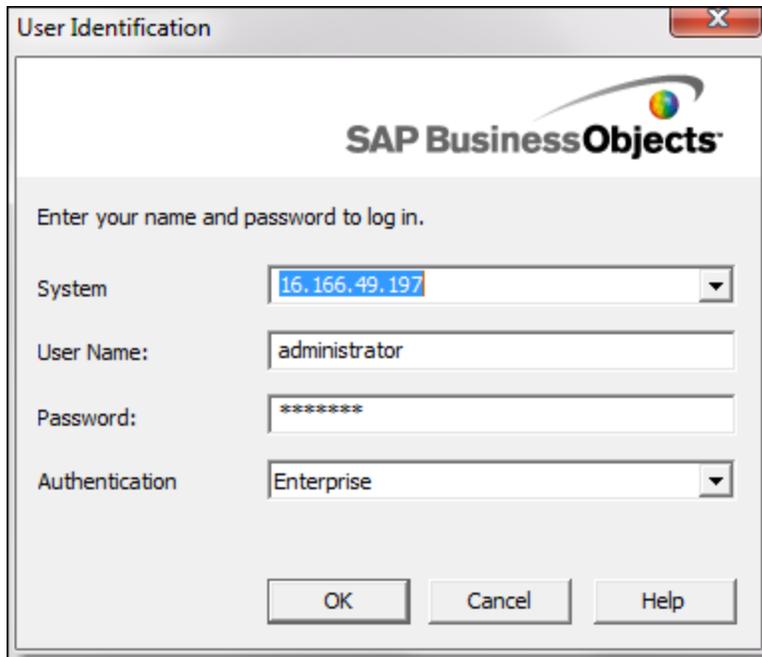
1. Copy the `/opt/HP/CBI/businessobjects/sap_bobj/enterprise_xi40/dataAccess/connectionServer/jdbc/ojdbc6-11.2.0.3.0.jar` file from the HP AI core server to the "C:\Program Files (x86)\SAP BusinessObjects\SAP BusinessObjects Enterprise XI 4.0\dataAccess\connectionServer\jdbc" directory where the 4.0 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.O
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

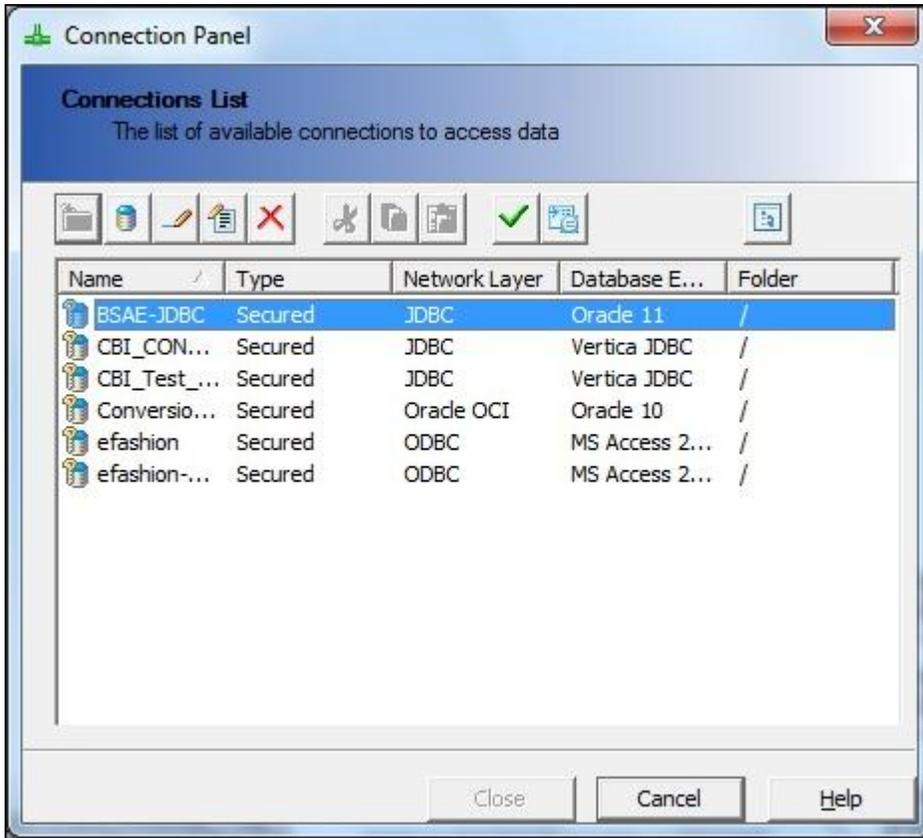
Perform the following steps to create the BSAE-JDBC connection:

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**.

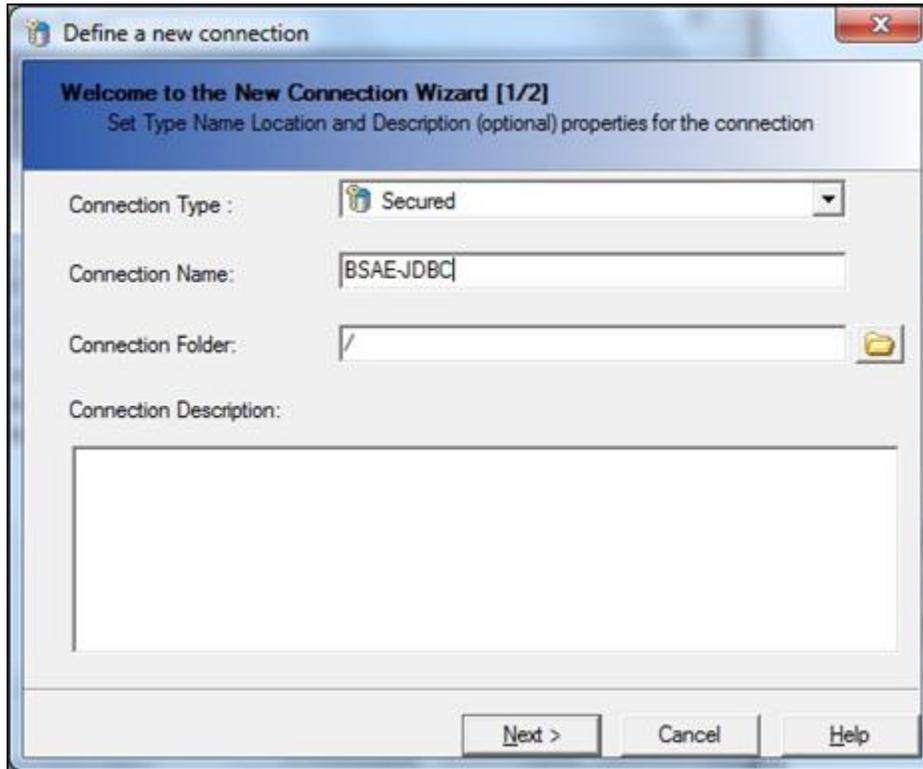


The image shows a 'User Identification' dialog box from SAP Business Objects. The dialog has a title bar with a close button (X) and the SAP Business Objects logo. Below the logo, it says 'Enter your name and password to log in.' There are four input fields: 'System' (a dropdown menu showing '16.166.49.197'), 'User Name:' (a text box containing 'administrator'), 'Password:' (a text box containing '\*\*\*\*\*'), and 'Authentication' (a dropdown menu showing 'Enterprise'). At the bottom, there are three buttons: 'OK', 'Cancel', and 'Help'.

4. 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.

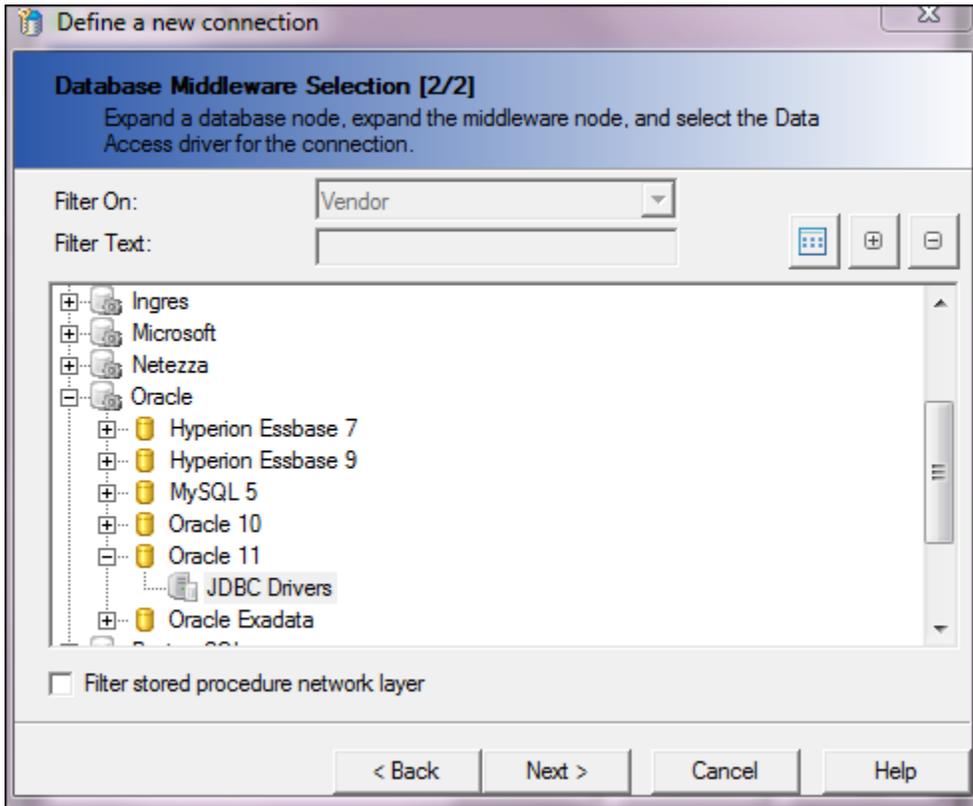


5. Click the Create New Connection (🔑) icon. The New Connection Wizard opens.



6. Enter **BSAE-JDBC** in the Connection Name field.
7. Click the folder (📁) icon to select the location to store the BSAE-JDBC connection.

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



9. Select the Oracle 11 JDBC Drivers.

10. Click **Next**. The Login parameters window opens.

The screenshot shows a dialog box titled "Edit BSAE-JDBC connection" with a sub-header "Login parameters [3/5]". Below the sub-header is the instruction "Define the login parameters to access your database using JDBC middleware". The dialog contains five input fields: "Authentication Mode" is a dropdown menu set to "Use specified username and password"; "User Name" is a text box containing "cmdb\_admin"; "Password" is a text box with masked characters "\*\*\*\*\*"; "Server(s) (host.port,{host.port})" is a text box containing "16.166.49.209:1521"; and "Net Service" is a text box containing "bsaedb". At the bottom of the dialog are five buttons: "Test Connection", "< Back", "Next >", "Cancel", and "Help".

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.

**Edit BSAE-JDBC connection**

**Configuration Parameters [4/5]**  
Define the advanced parameters to access your database using JDBC middleware

Connection Pool Mode: Keep the connection active

Pool Timeout: 60 Minutes

Array Fetch Size: 5

Array Bind Size: 10

Login Timeout: 600 \$SECON

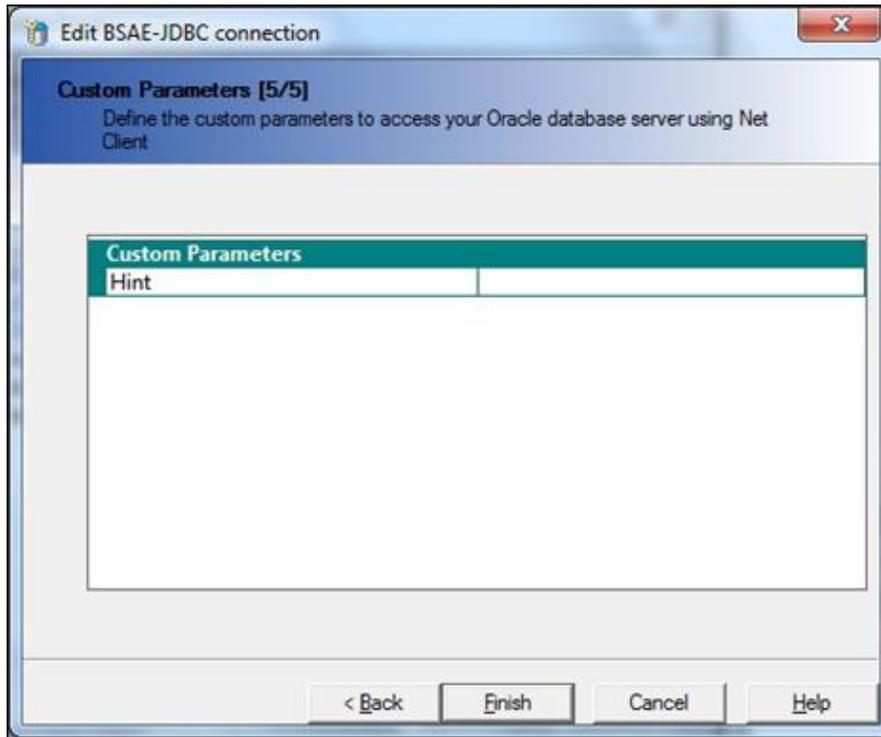
Query Timeout: \$SECON

JDBC Driver Properties (key=value,key=value)

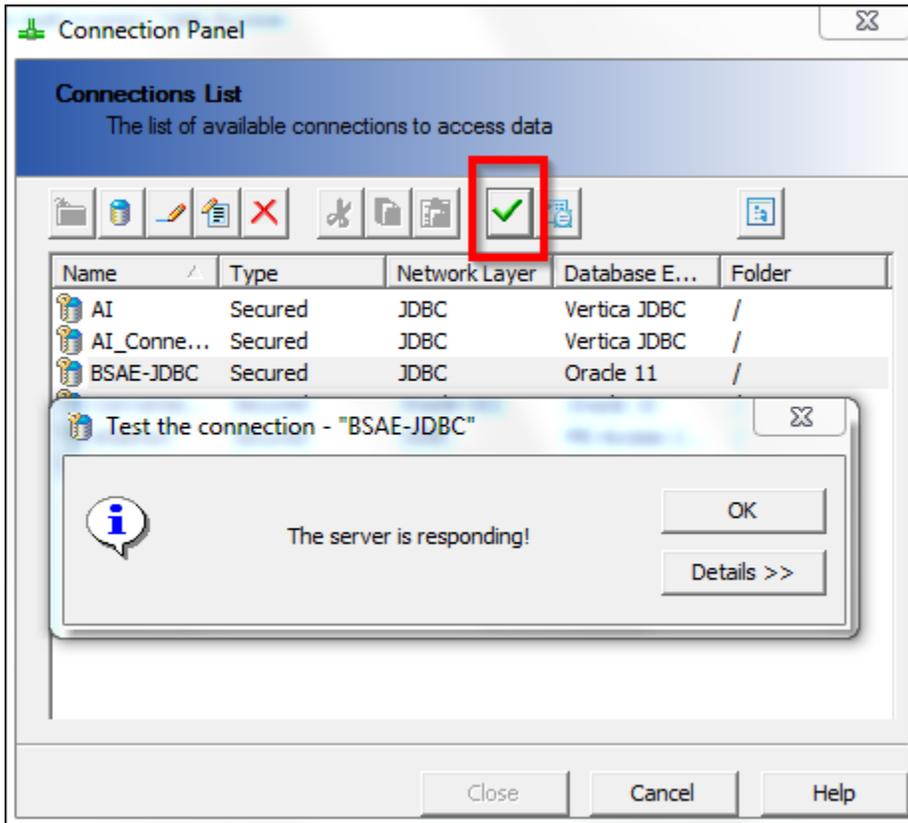
< Back   Next >   Cancel   Help

13. Enter the Connection Parameters values.

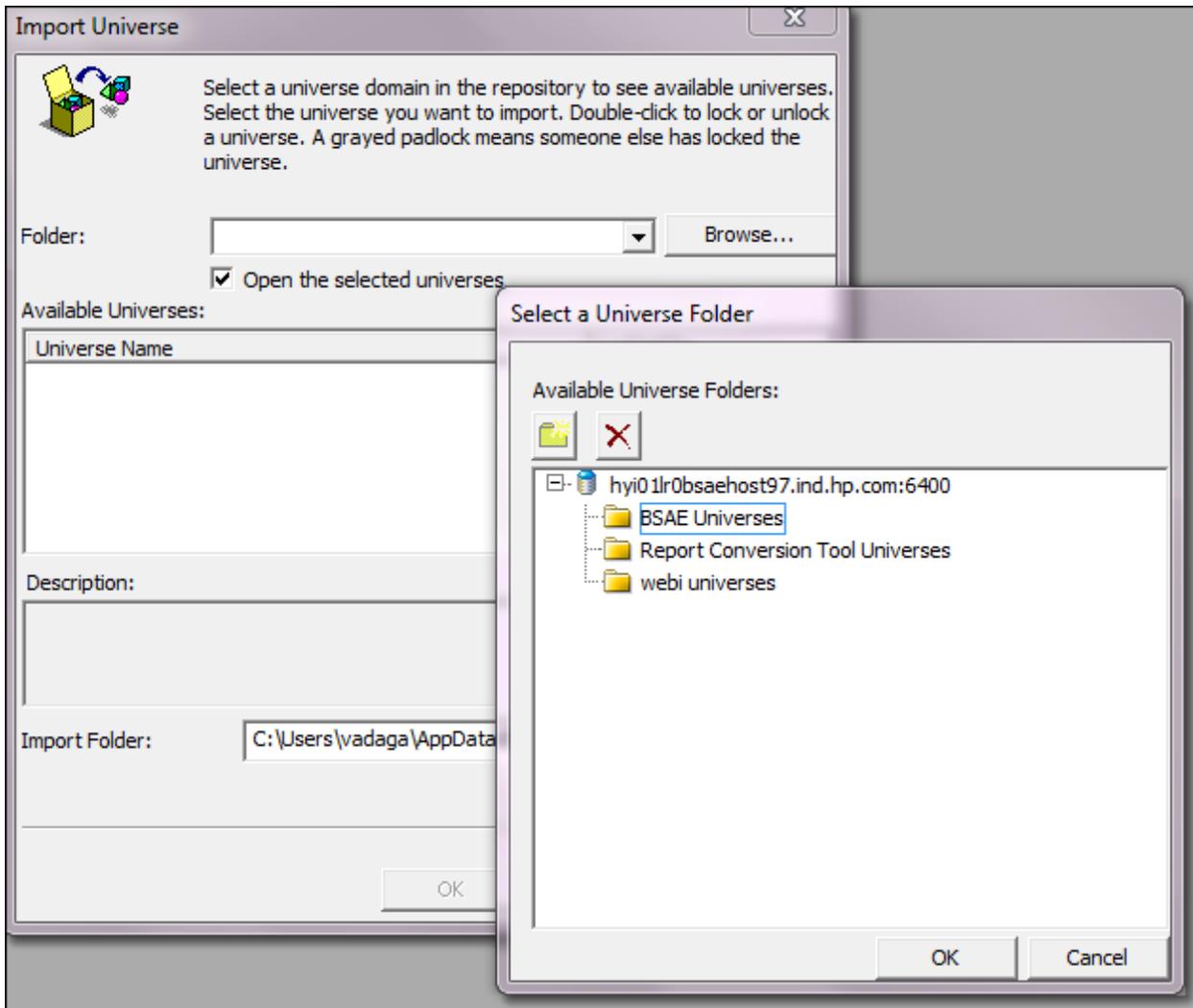
14. Click **Next**. The Custom Parameters window opens.



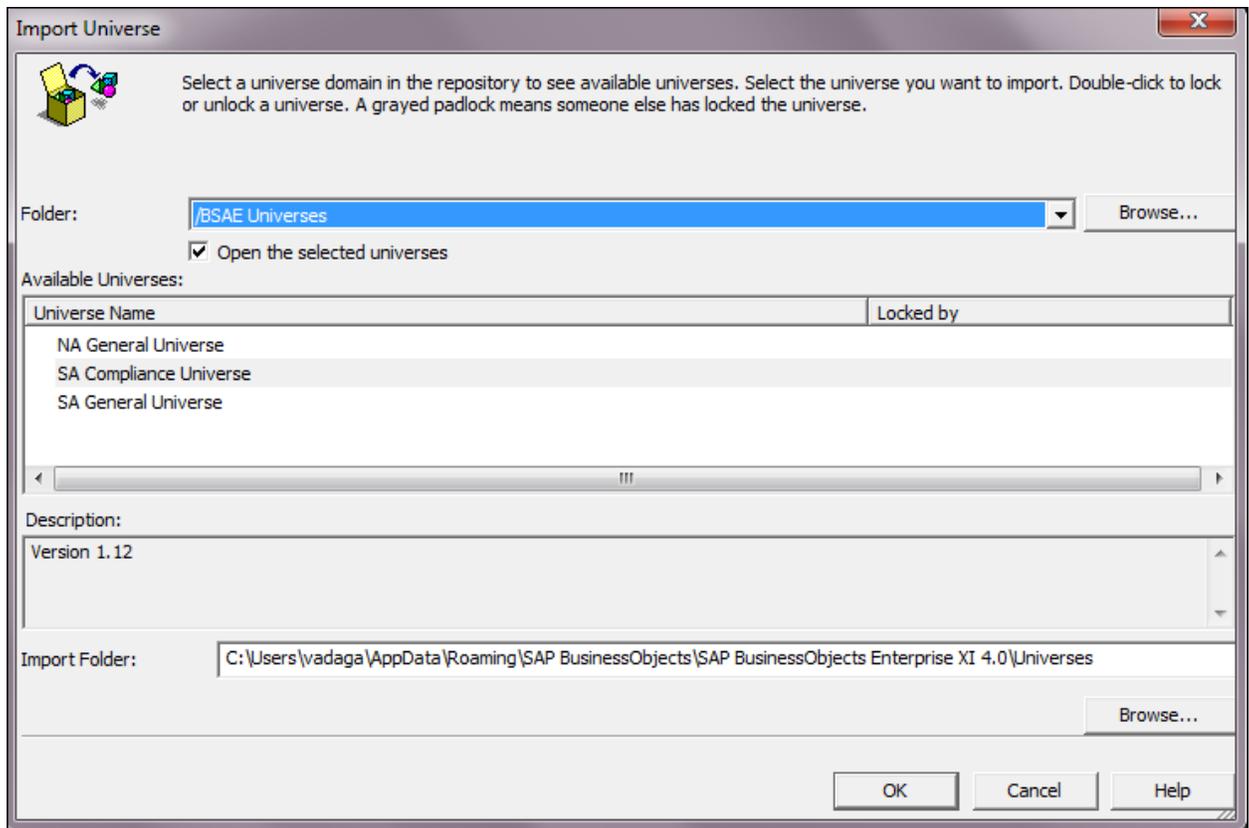
15. Click **Finish**. The Connections List window opens.



16. Open the connection and select the test connection icon ( ✓ ) 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.

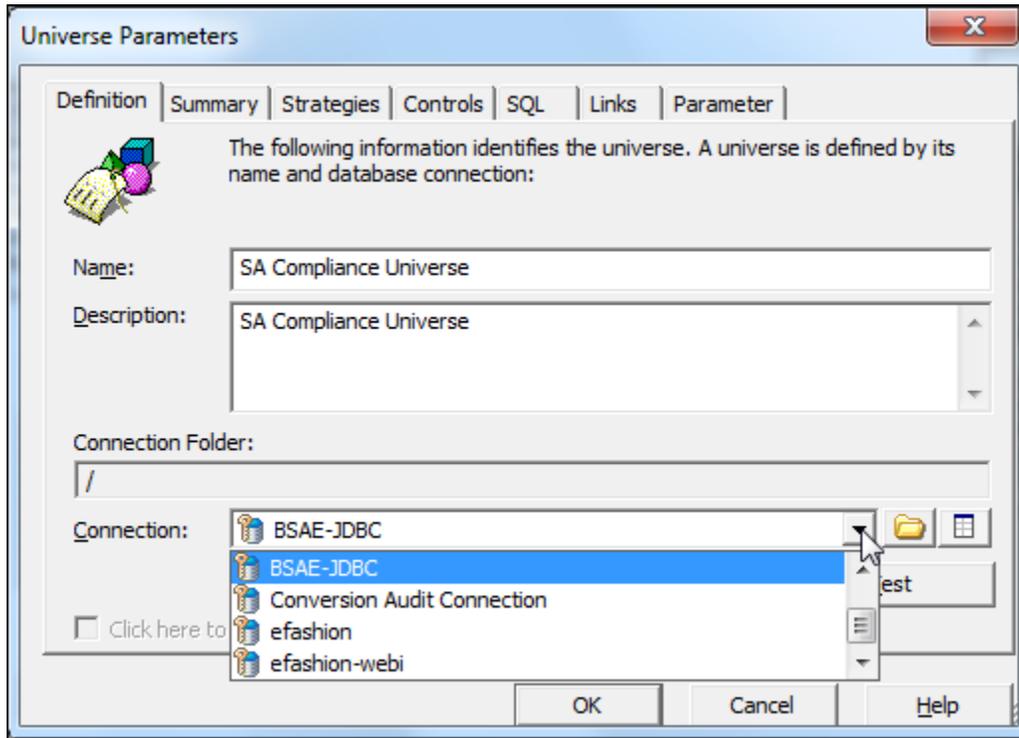


18. Select **BSAE Universes**.
19. Click **OK**.



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.



25. Select **BSAE-JDBC** from the Connection pull-down menu.
26. Select **File** → **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/connectionServer/jdbc/"`

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

```
<JDBCdriver>
  <ClassPath>
    <Path>${ROOT}/drivers/java/dbd_jdbcwrapper.jar</Path>
    <Path>/opt/HP/CBI/businessobjects/sap_bobj/enterprise_xi40/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>
```

## 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.

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

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