Biar Command Line Tool

The BIAR Engine Command Line Tool helps administrators and delegated administrators to promote content between Development, Quality Assurance, and Production BusinessObjects Enterprise XI 3.0 environments. The tool gives you the ability to use scripting to automate the import and export of objects.

The BIAR Command Line Tool only supports migrating objects from one XI 3.x system to another. You cannot use the tool to import objects from BusinessObjects, Crystal Enterprise, or earlier version of BusinessObjects Enterprise. You must use the Import Wizard to import content from previous versions of BusinessObjects to XI 3.x.

The Biar Engine Command Line tool is called `biarengine.jar`. On a windows environment, this file is located at *Install Directory*`\Business Objects\common\4.0\java\lib`. On UNIX, the file is located at *Install Directory*`/bobje/java/lib/`.

`InstallEntSdkWrapper.jar`, the command-line tool for importing BIAR files in BusinessObjects Enterprise XI Release 2, is not supported with BusinessObjects Enterprise XI 3.x. You must use `biarengine.jar` when importing content from BIAR files in BusinessObjects Enterprise XI 3.x.

Note:
- You must have a Java Runtime Environment installed. For supported a list of supported JREs, please see the BusinessObjects Enterprise supported platform document guide online on our support web site: *http://support.businessobjects.com/documentation/supported_platforms*.
- To use the BIAR Command Line Tool, you must have the Administrator account credentials for the XI 3.x environment that you are importing content to or from. You can also use a Delegated administrator account. For more information on using delegated administration to import content, see the *SAP BusinessObjects Enterprise XI 3.x Import Wizard Guide*.

The BIAR Command Line Tool imports the following types of objects:

Agnostic Documents	PDFs
Analytic Objects	PowerPoint Presentations
BI Modeler Objects	Profiles
Business Views	Programs
Calendars	Prompt Groups
Categories	Publications
Client Actions	Query as a Webservice
Custom Roles	Reports
Dashboards	Report Instances
Desktop Intelligence Documents	Rich Text Format Documents
Discussions	Server Groups
Encyclopedias	Shortcuts
Enterprise Users	Text Files
Events	Universes
Excel Spreadsheets	User Groups
Flash Files	Voyager Connections
Folders	Voyager Workspaces
FullClientAddins	Web Intelligence Documents
FullClientTemplates	WinAD Users
Hyperlinks	WinNT Users
LDAP Users	Word Documents
LOVs	Xcelcius Documents
Object Packages	XcelciusDMTTemplates
Overloads	

Importing relationships

The BIAR Command Line Tool only keeps the relationships between imported objects intact if both objects are imported together, or if one of the objects already exists on the destination. For example, if you have a Web Intelligence Report that uses a Universe, and you import the Report without also importing the Universe, the relationship between the two is dropped. The Report will not run on the destination.

Importing users and groups

If you are importing groups and users into a XI 3.0 environment, and a group already exists on the destination, the group membership on the destination is overwritten with the group membership that was exported from the biar file. This means if the group on the destination has additional users that are not contained in the group in the BIAR file group, they will not be part of the group after the import occurs.

Importing rights

The BIAR Engine Command Line Tool only imports rights on an object if the user/group is either exported with the object or already exists on the destination.

If the user/group and object already exist on the destination, the Tool overwrites the rights set on the object for this user/group on the destination with the imported rights.

However, if an object already exists on the destination and a user/group has rights specified on that object on the destination, but no rights for this user/group are specified on the object in the BIAR file, the Tool does not remove the existing rights for the user/group.

This means that rights that exist on a destination object can be overwritten, but never removed.

Using Multiple BIAR files

When using the BIAR Engine Command Line Tool to export content, the content is placed in a BIAR file. The location and name of the BIAR file is determined by *exportBiarLocation* parameter. When you export content that exceeds the amount of information that can be stored in a single BIAR file, the Tool splits the information and stores it in multiple BIAR files. The

files use the name that you specify, and will have numbers added to the end of the file name.

For example, if you set *exportBiarLocation*= C:\Archive.biar, and you export more content than can fit in a single BIAR file, the Tool creates the files `Archive.biar`, `Archive1.biar`, `Archive2.biar`, and so on. The Tool creates the files in the directory `C:`.

Note:
If you want to import content that is stored in multiple BIAR files, you must ensure that all of the BIAR files are located in the same directory.

The Biar Engine Command Line Tool's Properties File

The Biar Engine Command Line Tool requires a properties files that contains the parameters that tell the BIAR Engine what actions to take, what BusinessObjects Enterprise system to connect to and so on.

The file must have a `.properties` file extension. For example: `Myproperties.properties`

Parameter	Allowed Values	Description	Example
Action	exportXML, importXML	Specifies whether the Tool imports content from a BIAR file to a BusinessObjects Enterprise system, or exports the content from a deployment to a BIAR file. Mandatory.	Action=exportXML

Parameter	Allowed Values	Description	Example
exportBiarLocation	Free form text. Must include a `.biar` extension.	Specifies where the Tool saves the exported BIAR file. Mandatory if action=exportXML.	exportBiarLocation=C:/BiarExport File.biar
importBiarLocation	Free form text. Must include a `.biar` extension.	Specifies where the BIAR file that is to be import is located. BIAR files are split if the contents are too large to fit into one BIAR file. You can enter any of the BIAR file partitions, but you must ensure all of the partitions are in the same directory Mandatory if action=importXML.	importBiarLocation=C:/BiarImport File.biar
userName	Free form text.	The username of the an administrative account that the tool should use to connect to the Central Management Server (CMS). This can be the username of a Delegated Administrator account. Mandatory.	userName=Administrator

Parameter	Allowed Values	Description	Example
password	Free form text.	The password for the administrative account . Mandatory.	password=password
authentication	secEnterprise, secWinAd, secLdap	The authentication type that Tool uses. Optional. If you don't specify an authentication type, the default is secEnterprise.	authentication=secEnterprise
CMS	Free form text.	The name of the CMS that you want to connect to. Mandatory.	CMS=mycms:6400

Parameter	Allowed Values	Description	Example
exportDependen cies	True, False	Specifies whether to import all dependencies of an object. This should be used with care as it imports all the objects that are associated with any selected objects. This can increase the size of a BIAR file quite dramatically. Optional. If you don't specify a value, the default is False. Only used if action=exportXML.	exportDependen cies=false

Parameter	Allowed Values	Description	Example
includeSecurity	True, False	Specifies whether the Tool exports and imports security associated with the objects and users that you select. If you want to maintain security it is important to set *includeSecurity* to true when exporting and importing content. **Note:** If you are using Access Levels, you must explictly export these objects. Optional. If you don't specify a value for this parameter, the default is True.	includeSecurity=false

Parameter	Allowed Values	Description	Example
exportQuery	Free form text, must use the CMS query language format.	The queries the Tool should execute to gather the desired objects for exportation. You can use as many queries as you like in a single properties file, but the queries must be named "exportQuery1", "exportQuery2", and so on. Mandatory if action=exportXML.	exportQuery=select * from ci_Infoobjects where si_name = 'Xtreme Employees' and si_kind = 'Webi'
exportQueriesTotal	Positive whole numbers.	Specifies how many export queries the tool executes. If you have x export queries and want to execute them all, you must set this parameter to x. Optional. If you don't provide a value for this parameter, the default value is 1. Only used if action=exportXML.	exportQueriesTotal=5

Note:
To comment lines out, use the # character. For example:

```
action=importXML
#exportLocation=C:/mybiar.biar
importLocation=C:/mybiar.biar
```

This is an example of a properties file that imports content from a BIAR file.

```
#This file imports a biar, note this line is a comment
importBiarLocation=C:/CR.biar
action=importXML
userName=Administrator
password=
CMS=vanmsung01:6400
authentication=secEnterprise
```

This is an example of a properties file that exports a WebIntelligence report named "Xtreme Employees" to a BIAR file:

```
 #This file exports a single report
 # Remember to include indexed properties with your
query!
 # The more indexed properties, the better!
 exportBiarLocation=C:/CR.biar
 action=importXML
 userName=Administrator
 password=
 CMS=vanmsung01:6400
 authentication=secEnterprise
 exportDependencies=false
 exportQuery= select * from ci_Infoobjects where si_name
 = 'Xtreme Employees' and si_kind = 'Webi'
```

To use the BIAR Command Line Tool

1. Open a command line window.
2. In the command line window, navigate to the directory where the tool is located.

   For example, *Install Directory*\Business Objects\com mon\4.0\java\lib.

3. Execute the biarengine.jar.

For example, java -jar biarengine.jar <properties file>

The BIAR Engine Command Line Tool either exports content from BusinessObjects Enterprise deployment to a BIAR file, or imports the content from a BIAR file to a BusinessObjects Enterprise deployment, depending on the action parameter in the properties file.