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Promotion Management Wizard

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1 Welcome to Promotion Management Wizard

Promotion Management Wizard allows you to copy business intelligence (BI) resources from one repository to another easily, in a few clicks.

Promotion Management Wizard supports the following promotion scenarios:

- Export a BI resource from a source system to an LCMBIAR file.
- Replicate a BI resource from a source system to a destination system.
- Import an LCMBIAR file to a destination system.

With Promotion Management Wizard, you can now promote the full content of a repository or selective content of a repository, without using the command line. The easy-to-use graphical interface of Promotion Management Wizard facilitates your work as an administrator.

For additional information regarding the best practices for Promotion Management Wizard, refer to SAP Note [2531264](#).

⚠ Caution

Promotion Management Wizard doesn't support rollback. This means that after promoting BI resources, you can't restore the destination system to its previous state.

ℹ Note

Make sure to review the memory value before you start promoting objects. The Xms value needs to be lesser or equal to the Xmx value.

ℹ Note

If you have QaaWs objects, you must set up the destination system properly.

→ Tip

To increase performance, disable auditing and monitoring in the CMC of the destination system. For more information, see Business Intelligence Platform Administrator Guide > Auditing.

1.1 Using Promotion Management Wizard

There are several different options available to you for promotion management. This table helps you determine whether Promotion Management Wizard is the most appropriate solution for your needs.

Different options for promotion management


	Promotion Management Wizard	Promotion Management using the Command Line option	Promotion Management within the Central Management Console
Purpose	One shot promotion	Automation	Project
Promotion Scope	Important number of BI resources	Important number of BI resources	A few BI resources
Job	No possibility to create a job that can be rerun by the job server	Possibility to create a job run by the job server	Possibility to create a job run by the job server

Note

LCMBIAR files are compatible with each promotion management option, regardless of the promotion management option you select.

1.2 Defining the promotion management settings

1. Specify the promotion management settings you require. Information to help you is provided here:

Setting	Description
Temporary Folder	<div> Note Make sure you allocate enough free space in the Temporary Folder. The amount of free space needs to be at least twice the amount of space needed.</div>
Log Location	The log location is defined by default. You can change the log location later. The modifications are immediately taken into account in the promotion management settings.
Log Level	<p>You can set the Log Level to the following levels:</p> <ul style="list-style-type: none">• Default• Low• Medium• High <p>The Log Level is set to "Default" unless you change it.</p>
Language	You can set Promotion Management Wizard to your preferred language.

2. Click [Next](#)

2 Scenario

Promotion Management Wizard supports three types of promotion scenario:

- Live system to LCMBIAR: You copy objects from a live CMS to an LCMBIAR file.
- Live CMS to live promotion: You copy objects from a live CMS source system to a live CMS destination system.
- LCMBIAR to live system: You import objects from an LCMBIAR file to a live CMS destination system.

2.1 Promoting objects from a live CMS source system to an LCMBIAR file

To promote objects from a live CMS to an LCMBIAR file:

1. Select [Export](#).
2. To define the Source CMS, perform one of the following:
 - To use the central CMS as the Source CMS, check the box [Make the Central CMS as the Source CMS](#).
 - In the Source section, enter the following information:
 - CMS Name
 - User
 - Password
 - Authentication
3. In the [Destination](#) field, click [Choose](#) to select the location of the LCMBIAR file.
4. (Optional) Enter a password to encrypt the LCMBIAR file.

Note

If you encrypt the LCMBIAR file, the promotion process takes more time.

5. Click [Next](#) to select the objects you want to export.

2.2 Promoting objects from a live CMS source system to a live CMS destination system

To promote objects from a live CMS source system to a live CMS destination system:

1. Select [Promote](#).

2. To define the Source CMS, perform one of the following:
 - To use the central CMS as the Source CMS, check the box *Make the Central CMS as the Source CMS*.
 - In the Source section, enter the following information:
 - CMS Name
 - User
 - Password
 - Authentication
3. To define the Destination CMS, perform one of the following:
 - To use the central CMS as the Destination CMS, check the box *Make the Central CMS as the Destination CMS*.
 - In the *Destination* section, enter the following information:
 - CMS Name
 - User
 - Password
 - Authentication
4. Click *Next* to select the objects you want to copy from the source system to the destination system.

2.3 Promoting objects from an LCMBIAR file to a live CMS destination system

To promote objects from an LCMBIAR file to a live CMS:

1. Select *Import*.
2. To define the Destination CMS, perform one of the following:
 - In the *Destination* section, check the box *Make the Central CMS as the Destination CMS*.
 - In the *Destination* section, enter the following information:
 - CMS Name
 - User
 - Password
 - Authentication
3. In the *Source* section, click *Choose* to select the LCMBIAR file you want to import.
4. (Optional) Enter a password to encrypt the LCMBIAR file.

Note

If you encrypt the LCMBIAR file, the promotion process takes more time.

5. Click *Next* to select the objects you want to import.

3 Objects

Promotion Management Wizard supports two types of content promotion:

- Full content promotion
- Selective content promotion

The table, below, explains each type:

Content Promotion Types	Content Promoted	Content Dependencies
Full content promotion	<p>You promote all the following contents from the source system to the destination system:</p> <ul style="list-style-type: none">• Objects (users, documents, universes, connections, etc.)• Instances• Relationships between objects• Object security	<p>Since all relationships are maintained, dependencies don't need to be evaluated. You go from the current Objects step directly to the Summary step.</p>
Selective content promotion	<p>You promote the content that you have selected from the source system to the destination system. The content can be the following:</p> <ul style="list-style-type: none">• Objects (users, documents, universes, connections, etc.)• Instances• Relationships between objects• Object security	<p>Since you don't promote all the contents from the source system to the destination system, dependencies need to be evaluated.</p>

3.1 Promoting the full content

To promote the full content from the source system to the destination system:

1. Select [Full content promotion](#).

All the objects are selected for the promotion.

2. Click [Next](#) to review the content you have selected.

3.2 About promoting selective content

Before you promote the selective content from the source system to the destination system, you need to define the Export Options. Defining export options enables you to retrieve settings specified on the source system that you want to promote to the destination system.

3.2.1 About Export Options

If you want to retrieve settings specified on the source system and promote them to the destination system, you need to define the following parameters in Export Options:

- Object Instances
- Object Dependencies
- Security
- Commentary
- Federation Jobs
- Conflict name resolution

Object Instances

Object Instances	Description
Export all instances of an object when the object is selected	You export the selected objects with all their instances.
Export only the recurring instances of an object when the object is selected	<p>You export the selected objects with only their recurring instances.</p> <p>For example, if you have scheduled a weekly and a monthly refresh for a document, this document and its two recurring instances will be exported during the export.</p>
Do not export object instances	You only export the selected objects. Their instances are not exported.

Object Dependencies

Object Dependencies	Description
Include dependencies when selecting objects	<p>You export the selected objects with all their dependencies.</p> <div><p>Note</p><p>The option is checked by default.</p></div>

Object Dependencies	Description
Exclude dependencies when selecting objects	You only export the selected objects without all their dependencies.

Security

Security	Description
Include Object Security	You export the selected objects with their object security settings.
Include User Security	You export the selected objects with their user security settings.
Include Application Security	You export the selected objects with their application security settings.
Include top level security	You export the security settings defined in the root folder.

⚠ Caution

This option overwrites the security settings defined in the destination system. You should use this option sparingly.

Commentary

Commentary	Description
Include Comments	You export the selected objects with all their comments.

Federation Jobs

Federation Jobs	Description
Include Federation Jobs relationship	You import the selected objects with their Federation Jobs relationships maintained.

Conflict name resolution

Conflict name resolution	Description
Conflict name resolution	<p>If a selected object has the same name but a different CUID as an object in the destination system, a copy of the selected object will be created in the destination system.</p> <p>If you don't activate this option, the selected object with the same name but a different CUID as an object in the destination system will not be copied in the destination system.</p>

3.2.2 Promoting selective content

To promote the selective content from the source system to the destination system:

1. Select [Selective content promotion](#).
2. To define [Export Options](#), click [Options](#).
3. (Optional) Check [Apply Time Filter](#) to filter objects according to a date and time range.
4. Select the objects you want to export.
5. To evaluate the dependencies of an object, check the associated box below the dependencies icon

Note

By default, the dependencies boxes are all checked. If you don't want to evaluate the dependencies of an object, uncheck the box.

6. Click [Next](#) to evaluate the dependencies.

4 Dependencies

If you choose to promote selective content from the source system to the destination system, the dependencies of the selective content can be evaluated. The [Dependencies](#) step provides an overview of the selected objects identified as dependencies.

You can view the following information on the dependencies of the selected objects:

- Title
- CUID
- Date

You can select objects identified as dependencies:

1. Depending on the level of detail you want to view, perform one of the following:
 - Click [Expand all](#) to view the details of each dependencies.
 - Click [Collapse all](#) to only view the dependent objects.
2. Select the dependencies you want to promote.

Note

By default, the dependencies boxes are all checked. If you don't want to promote the dependencies of an object, uncheck the box.

3. Click [Next](#) to review the objects you have selected for the promotion.

5 Summary

Before you perform the promotion, you need to review the objects you have selected for the promotion.

You can view the following information about each object:

- Title
- CUID
- Date

Caution

Make sure all the objects you want to copy are included because once the promotion starts, you cannot cancel the promotion process. Promotion Management Wizard doesn't support rollback.

You can review objects:

1. Depending on the level of detail you want to review, perform one of the following:
 - Click [Expand](#) to view the details of each object.
 - Click [Collapse](#) to view the parent of each object.

Note

The level of detail varies in the promotion results CSV file, depending on whether you select [Expand](#) or [Collapse](#).

2. To make sure you have enough space in your hard drive for the promotion, review the [Minimum temporary space required](#).
3. Click [Start](#) to promote the objects.

After you start the promotion, you cannot cancel the process.

6 Finish

The promotion generates a tab next to the Console tab. In this tab, you can view a summary of the promotion results and export the promotion results in a CSV file format. The name of the tab varies, depending on the types scenario and promotion.

The summary includes the following information about the objects:

- Title
- Kind
- Outcome Status
- Commit Status
- Resolution Status
- Dependency Status
- Is an Instance
- Outcome Message

Note

Depending on your network and its bandwidth, this operation can take some time. To save time, you can promote the content in two phases.

You can export the promotion results in a CSV file format.

Caution

The export of the promotion results can take a long time and freeze the application. In this case, do not close the application.

1. Click the summary tab next to the [Console](#) tab.
2. (Optional) In the drop-down list [Group by](#), filter according to your needs.
3. Click [Export](#).

After you export the results, the source system is no longer needed.

7 (optional) Properties file

You can configure the following parameters in the properties file of the Promotion Management Wizard:

- SSL settings
- Parameters

The properties file of the Promotion Management Wizard is located in: `C:\Program Files (x86)\SAP BusinessObjects\SAP BusinessObjects Enterprise XI 4.0\win64_x64\PromotionManagementWizard`

7.1 Configuring SSL settings

If you use SSL, you need to configure the SSL settings of the Promotion Management Wizard in

`C:\Program Files (x86)\SAP BusinessObjects\SAP BusinessObjects Enterprise XI 4.0\win64_x64\PromotionManagementWizard`

1. Open `PromotionManagementWizard.ini` in a text editor.
2. To activate the SSL mode, uncomment the lines that begin with “-D”.
3. Enter the values for each setting.

Setting	Value
<code>-Dbusinessobjects.orb.oci.protocol</code>	The value: ssl
<div><div> ⓘ Note</div><div>Entering this value enables SSL communication.</div></div>	
<code>-DcertDir</code>	The location of keys and certificates
<code>-DtrustedCert</code>	The name of the trusted certificate file
<div><div> ⓘ Note</div><div>If you specify more than one file, separate your entries with a semicolon (for example, fileA; fileB).</div></div>	
<code>-DsslCert</code>	The SDK certificate
<code>-DsslKey</code>	The private key of the SDK certificate

Setting	Value
-Dpassphrase	The location of the file that contains the passphrase for the private key
-Dpsecert	The PSE certificate file

⚠ Caution

Do not add or edit any other settings or values.

4. Save PromotionManagementWizard.ini

Example: SSL settings in PromotionManagementWizard.ini

```
-Dbusinessobjects.orb.oci.protocol=ssl
-DcertDir=C:/SSL
-DtrustedCert=cacert.der
-DsslCert=servercert.der
-DsslKey=server.key
-Dpassphrase=passphrase.txt
-Dpsecert=temp.pse
```


7.2 Configuring parameters

Depending on your needs, you can configure options in the Promotion Management Wizard property file located in:

C:\Program Files (x86)\SAP BusinessObjects\SAP BusinessObjects Enterprise XI
4.0\win64_x64\PromotionManagementWizard

1. Open PromotionManagementWizard.ini in a text editor.
2. To activate the options, uncomment the lines that begin with "-D".
3. Enter the values for each parameter.

Parameter	Value
-Dbusinessobjects.connectivity.directory	The location of the connection server directory.
-Dcom.businessobjects.mds.cs.ImplementationID	csEX

Parameter	Value
<div>  Note Do not change or edit this value. </div>	
-Xms8g	<p>The memory value is set by default at 8 Gb.</p> <p>The Xms value must be lesser or equal to the Xmx value.</p>
-Xmx10g	<p>The memory value is set by default at 10 Gb.</p> <p>10 Gb memory is enough for a repository of 65 000 objects.</p>
-Dbobj.biar.suggestSplit=512	<p>Default value (recommended)</p> <p>It is recommended to use the parameter -Dbobj.biar.suggestSplit.</p> <p>When you promote objects from a live CMS to an LCMBIAR file, this setting enables you to split the LCMBIAR file into multiple LCMBIAR files.</p>
-Dbobj.biar.forceSplit=768	<p>Default value (recommended)</p> <p>If the parameter -Dbobj.biar.suggestSplit can't be applied, the parameter -Dbobj.biar.forceSplit applies as a fallback solution.</p>
-Dcom.businessobjects.lcm.commit	<ul style="list-style-type: none"> KEEP_TS: Default value. This value enables you to keep the modification dates of the source. LEGACY: The modification dates correspond to the execution date in the destination system. It is an existing behavior prior to 4.2 SP5
-Dcom.sap.businessobjects.pmw.exclude.list	<p>This parameter enables you to permanently exclude objects when you promote objects from a source system to a destination system or when you export a source system to a LCMBIAR file.</p> <p>The value (CUID) can be an object (document, folder, etc.). If a folder is specified, all children of the folder will be excluded.</p>

4. Save PromotionManagementWizard.ini.

Example: Promotion Management Wizard options in

PromotionManagementWizard.ini

```
-Dbusinessobjects.connectivity.directory=C:\Program Files (x86)\SAP
BusinessObjects\SAP BusinessObjects Enterprise XI 4.0\dataAccess\connectionServer
-Dcom.businessobjects.mds.cs.ImplementationID=csEX
-Xms2g
```



```
-Xmx10g
-Dbobj.biar.suggestSplit=512
-Dcom.businessobjects.lcm.commit=KEEP_TS
-Dcom.sap.businessobjects.pmw.exclude.list="c:/
PromotionManagementWizardExcludedItems.txt"
# Exclusion List AY2ygg4hFJhJmZMQNlQh8OI
# Report Samples AeN4lEu0h_tAtnPEjFYxwi8
# WebIntelligence Samples
```

8 Promotion Management Wizard on Linux

You can run Promotion Management Wizard on Linux.

Before you start Promotion Management Wizard on Linux, ensure that the Java runtime is set in the system `PATH` variable.

To start Promotion Management Wizard on Linux, perform the following steps:

1. Open a shell and go to the installation directory, such as the following:

```
/usr/sap_bobj/enterprise_xi40
```

2. Execute the following command:

```
./PromotionManagementWizard
```

Promotion Management Wizard starts.



For more details about how to use SSH and X11 redirection, please consult your OS documentation.

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