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# Document History

The following table provides an overview of the most important document changes.

<table>
<thead>
<tr>
<th>Version</th>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAP BusinessObjects Business Intelligence platform 4.0</td>
<td>November 2011</td>
<td>First release of this document.</td>
</tr>
</tbody>
</table>
| SAP BusinessObjects Business Intelligence platform 4.0 Feature Pack 3 | March 2012 | Additions as of this release (chapter name indicated):  
  - Performing Upgrades: Administrators can now use new Overwrite options for universes and connections. See Upgrade Options. |
| SAP BusinessObjects Business Intelligence platform 4.0 Support Package 5 | November 2012 | The Windows shortcut menu where SAP BusinessObjects Business Intelligence software is located has changed. The new shortcuts are under Start ➤ All Programs ➤ Business Intelligence ➤ |
| SAP BusinessObjects Business Intelligence platform 4.0 Support Package 7 | August 2013 | The incorrect <parameter>=<value> examples have been fixed.                                                                                   |
| SAP BusinessObjects Business Intelligence platform 4.0 Support Package 10 | July 2014 | The information in the “Side-by-side deployments” chapter has been clarified.                                                                |
2  About this Guide

This guide is intended for business intelligence administrators responsible for installing, upgrading, and maintaining SAP BusinessObjects Business Intelligence platform in corporate environments.

This guide describes upgrading your system data and business intelligence content to 4.0 Feature Pack 3, XI 3.x, or XI Release 2 Service Pack 2 (or higher). It covers upgrade paths, new features in 4.0 FP3, and important information about planning, preparing, and performing upgrades and post-upgrade tasks.
3  Planning Upgrades

3.1  Upgrade paths

You can migrate your system data and business intelligence content to SAP BusinessObjects Business Intelligence platform 4.0 Feature Pack 3 from XI 3.x, XI Release 2 SP2 (or higher), or a Business Intelligence Archive Resource (BIAR) file generated from XI R2 SP2 (or higher, except 4.0 FP3).

If you have an older deployment, use the following guidelines to upgrade your existing deployment:

- To upgrade to XI 3.1 from XI R2, XI MHF1, or XI R2 SP1, you must first upgrade to XI R2 SP2 (or higher).
- To upgrade from BusinessObjects 5 or 6, Crystal Enterprise 9 or 10, or BusinessObjects Business Intelligence platform, you must first upgrade to XI R2 SP2. For more information, see the BusinessObjects 5/6 to XI 3.1 Migration Guide, and the SAP Business Objects Business Intelligence platform Installation Guide for your version, available at [http://service.sap.com/bosap-support](http://service.sap.com/bosap-support).

**Note**

The upgrade management tool upgrades only the Server and Web Tier features in your deployment. To upgrade the client tools, run the Client Tools installation program.

### Related Information

- Central Management Server (CMS) [page 6]
- Business Intelligence Archive Resource (BIAR) files [page 6]

### 3.1.1  Integration

You can install SAP BusinessObjects Business Intelligence platform independently, or side-by-side with an existing deployment. The two deployments can work at the same time, even if they are on the same machine.

When you no longer need your old deployment, you can uninstall it.

### Related Information

- Side-by-side deployments [page 7]
3.2 Key Concepts

3.2.1 Central Management Server (CMS)

The dedicated Central Management Server (CMS) database (also known as a CMS repository or a CMS system database) contains configuration and operation information. A separate Auditing Data Store contains auditing information. You can run business intelligence reports on this auditing information.

The CMS system and Auditing Data Store databases are separate from your organization’s reporting database. When your deployment is installed and configured, you can establish a read-only connection between the deployment and your organization’s reporting database for business reporting. Thus, you can analyze your reporting data without changing your production database systems.

3.2.2 Business Intelligence Archive Resource (BIAR) files

A Business Intelligence Archive Resource (BIAR) file contains compressed business intelligence content. This content can be easily moved to a different location or SAP BusinessObjects Business Intelligence platform deployment.

During an incremental upgrade, you can select a BIAR file as the source or destination if you cannot connect to two Central Management Servers directly (for example, if your destination and source deployments are on different physical networks).

You can use the upgrade management tool to import a BIAR file generated using the Import Wizard from XI Release 2 or XI 3.x.

---

**Note**

You cannot export a BIAR file generated using the 4.x upgrade management tool into another 4.x deployment. Use the lifecycle management console to promote content between two 4.x deployments. For more information, see the “Deployments with the same version number” section.

---

**Caution**

Using the upgrade management tool to import BIAR files generated with biarengine.jar is not recommended. For more information, see the “Life Cycle Management” chapter of the SAP BusinessObjects Business Intelligence Platform Administrator Guide, and the Lifecycle management console for SAP BusinessObjects Business Intelligence platform guide.

Depending on your deployment and the complexity of its content, your content may be stored in multiple segmented BIAR files. To use multiple segmented BIAR files as an upgrade source, ensure that all of the files are located in the same directory. You can select any file in a group to export the contents of all of the files in the group.
Related Information

*Deployments with the same version number* [page 15]

### 3.2.3 Side-by-side deployments

A side-by-side deployment allows you to install the most recent version of SAP BusinessObjects Business Intelligence platform on a machine with an existing, older deployment. This is the safest way to upgrade a large deployment.

⚠️ **Caution**

To avoid conflicts between the two deployments, install the second deployment into a unique directory, specify a unique Central Management Server (CMS) port, and ensure that all of the ports used by both deployments are unique.

Related Information

*Central Management Server (CMS)* [page 6]

### 3.3 Key Tasks

#### 3.3.1 Complete upgrades

During a complete upgrade, the upgrade management tool copies all content from one deployment to another and then upgrades it.

Complete upgrades allow you to migrate all business intelligence content (including dependencies and permissions) from the source deployment to the destination deployment. Any objects that exist in the destination deployment are automatically overwritten by objects with the same unique identifiers in the source deployment. Objects in the source deployment with different unique identifiers but the same name and location as objects on the destination deployment are renamed when they are upgraded.

This is the simplest and fastest way to upgrade the content of your entire Central Management Server database.

Related Information

*Performing complete upgrades from the command line* [page 21]
3.3.2 Incremental upgrades

During an incremental upgrade, the upgrade management tool copies selected content from one deployment to another and then upgrades it.

Incremental upgrades allow you to migrate individual objects, content, dependencies, and rights to a destination deployment. You can select which objects in the source deployment can be copied and renamed if they have different unique identifiers but the same name and location as objects on the destination deployment.

You can also select a Business Intelligence Active Resource (BIAR) file as the source or destination for the upgrade.

Selecting and migrating specific objects from a Central Management Server with an incremental upgrade is the best way to export a limited subset of source objects into a destination deployment.

Related Information

- Business Intelligence Archive Resource (BIAR) files [page 6]
- Deployments with the same version number [page 15]

3.3.3 Upgrades from Information platform services 4.0

If you have an existing Information platform services (IPS) 4.0 deployment in a cluster with multiple machines, use the following guidelines to migrate your data to a SAP BusinessObjects Business Intelligence platform 4.0 FP3 deployment, using the same Central Management Server (CMS) database, or a different database.

- Install 4.0 FP3 on the same number of machines that you have in your IPS cluster, using identical installation features and options (such as the installation path and node names).
- Install the CMS database into the existing IPS 4.0 database, and select Use an existing database during your installation of 4.0 FP3. For more information, see the “Full installation” section of the SAP BusinessObjects Business Intelligence platform Installation Guide.

**Note**

If your deployments use different databases (for example, SQL Anywhere and Oracle), use the Central Configuration Manager (CCM) to copy your data from one database to another. For more information, see the “Copying data from one CMS system database to another” chapter of the SAP BusinessObjects Business Intelligence platform Administrator Guide.

Related Information

- Central Management Server (CMS) [page 6]
3.4 Naming conventions

3.4.1 Variables

This guide uses the following variables.

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;&lt;INSTALLDIR&gt;&gt;</td>
<td>The directory where SAP BusinessObjects Business Intelligence platform is installed.</td>
</tr>
<tr>
<td>&lt;&lt;JARDIR&gt;&gt;</td>
<td>The directory where upgrade management tool JAR files are installed.</td>
</tr>
</tbody>
</table>
4  Preparing for Upgrades

Before upgrading SAP BusinessObjects Business Intelligence platform, perform the following tasks:

- Ensure your machines meet the deployment’s system requirements.
- Back up existing repositories, including the system database and the Input and Output File Repository Servers.
- Back up custom web applications, HTML pages, and scripts in your existing deployment.
- Close any locally-running programs before you run the upgrade management tool.
- Stop any web servers and web application servers on your existing deployment.
- Create a new database or use an existing database for your deployment’s Central Management Server during the installation.
- (Optional) If you select an existing database, obtain the details of the database server and the administrative credentials that you will need to connect to the database instance.
- (Optional) Configure the SSL settings of the upgrade management tool.

**Note**

The database account requires permission to add and drop tables, and insert, delete, and update data in tables.

When you run the upgrade management tool, use the following guidelines:

- If you have an XI R2 deployment, log on with the BI platform Administrator account when you upgrade your source deployment. If you have an XI 3.x (or later) deployment, log on as a member of the Administrators group.

For a detailed overview of changes in the deployment, see the What’s New guide and the “Architecture” chapter in the SAP BusinessObjects Business Intelligence Platform Planning Guide.

**Related Information**

To configure SSL settings [page 16]

4.1  Object types and feature requirements

Ensure that the machine on which you run the upgrade management tool has the SAP BusinessObjects Business Intelligence platform features that correspond to the object types that you want to upgrade. The following table lists the available object types and the features associated with them.

**Remember**

If a feature is not installed on the machine, the corresponding object type will not be upgraded.
### Object type | Required feature
--- | ---
BI workspaces (Dashboards) | **BI workspace Services**
Crystal reports | none
Dashboard Design and Presentation Design (Xcelsius) data | none
Explorer | none
Web Intelligence documents and publications | **Connectivity Processing Services**
Lifecycle management console (LifeCycle Manager) data | **Platform Processing Services or Platform Scheduling Services**
Mobile | **CMS plugin for Mobile**
Universes, connections | **Connectivity Processing Services**
Analysis, edition for OLAP workspaces | none
Web service query tool (QaaWS) | **Connectivity Processing Services**

### 4.2 System requirements

For a list of operating systems, hardware requirements, web application servers, web servers, and database servers supported by this release, see the *Product Availability Matrix* (Supported Platforms/PAR), available in the SAP BusinessObjects section of the SAP Support Portal at: [https://service.sap.com/bosap-support](https://service.sap.com/bosap-support).

#### 4.2.1 Legacy auditing databases

You cannot run SAP BusinessObjects Business Intelligence platform 4.0 FP3 with a 3.x (or older) auditing database, because the upgrade management tool does not copy its contents. You can create a new 4.0 FP3 auditing database and direct the auditing output of 4.0 FP3 to it.

**Related Information**

*Configuring the auditing database* [page 25]
5 Performing Upgrades

Upgrading to SAP BusinessObjects Business Intelligence platform 4.0 FP3 involves installing a new deployment and copying your content and system data from an existing deployment.

You can install the new deployment independently or side-by-side with an existing deployment. The two deployments can work at the same time. When you no longer need your old deployment, you can uninstall it.

⚠️ Caution

If you create a side-by-side deployment, specify a unique Central Management Server (CMS) port number for your destination deployment (other than 6400) to avoid conflicts between deployments.

Perform the following manual steps after installing the new deployment:

- Use the upgrade management tool to export your business intelligence content from your existing deployment.
- Reconfigure and add the new deployment servers to the Central Management Server (CMS).
- Configure the auditing database.
- Enable your deployment servers.
- Use the upgrade management tool to migrate content from your previous deployment.
- (Optional) Uninstall your previous deployment.

ℹ️ Note

The upgrade management tool does not copy server or server cluster settings to your new deployment. If your existing deployment is distributed across several servers or clusters, and you want to create the same structure for your new deployment, use the Central Management Console to add your servers and clusters manually. For more information, see the “Managing and Configuring Servers” chapter of the SAP BusinessObjects Business Intelligence Platform Administrator Guide.

Related Information

- Using the upgrade management tool [page 15]
- Configuring the auditing database [page 25]
- Uninstalling a previous deployment [page 26]

5.1 Exporting content to your new deployment

5.1.1 Users and groups

The upgrade management tool exports users and groups from one deployment to another, keeping their hierarchical relationships. The upgrade management tool uses the following rules:
• If a group in a source deployment already exists in the destination deployment, the upgrade management tool merges the groups automatically, updates the membership of the group in the destination deployment, and adds the exported users to the deployment (if their accounts do not already exist).

• If a user in a source deployment has an alias identical to an alias of a user in the destination deployment, the upgrade management tool lets the user in the destination deployment keep all aliases, removing the conflicting alias from the user in the source deployment.

5.1.1.1 User licensing

When importing users with existing licenses, the upgrade management tool uses the following rules:

• Concurrent users in the source deployment are imported as concurrent users into the destination deployment.

• Named users in the source deployment are imported as named users into the destination deployment, until no more named user licenses are available. The remaining named users are imported as concurrent users.

For more information on user licensing, see the SAP BusinessObjects Business Intelligence Platform Administrator Guide.

5.1.1.2 Exporting third-party users

SAP BusinessObjects Business Intelligence platform supports the following third-party authentication methods:

• Enterprise
• JD Edwards
• LDAP
• Oracle EBS
• PeopleSoft
• SAP
• Siebel
• Windows AD

When you use the upgrade management tool to export third-party users with existing authentication, use the following guidelines:

• Configure and enable the correct authentication plug-in on the destination deployment.

• Ensure that the groups in the source deployment are mapped in the destination deployment.

• Ensure that the administrative credentials for third-party users are the same in the source and destination deployments.

After you complete the upgrade, you must use the Central Management Console to manually update the authentication plug-in.

For more information on third-party users and the authentication plug-in, see the “Authentication” chapter of the SAP Business Objects Business Intelligence platform Administrator Guide.
5.1.2 Security settings

To export an object’s security settings to a destination deployment, export the object along with any users and groups that have rights to the object. The upgrade management tool uses the following rules:

- If you perform an incremental upgrade and export an object to the destination deployment without exporting users and groups, the object loses its security settings, unless the same users and groups already exist in the destination deployment.
- If you perform an incremental upgrade and export an object to the destination deployment without exporting its custom access levels, the object loses the security settings that were used to set the custom access levels, unless the same custom access levels already exist in the destination deployment.
- If you do not export the owner of an object, and the owner does not exist in the destination deployment, the object is owned by the Administrator after you export it.

5.1.3 Note objects and legacy InfoView objects

Note objects

The upgrade management tool does not upgrade note objects during the initial upgrade process. After the upgrade process is complete, you must run the upgrade management tool again to successfully upgrade your note objects.

Legacy InfoView objects

When you upgrade to SAP BusinessObjects Business Intelligence platform 4.0 FP3, legacy MyInfoView and InfoView objects are converted to BI workspaces and BI workspace modules.

Caution

If you want to convert your legacy MyInfoView and InfoView objects to 4.0 FP3, do not use the BIAR to Live upgrade scenario; instead, use the Live to Live upgrade scenario.

The upgrade management tool uses the following rules:

- During a complete upgrade, all objects in personal and public folders are upgraded automatically.
- During an incremental upgrade, you can select specific users. The users’ personal and public folders (for example, inbox, documents, personal categories, or personal folders) are included as dependencies.
- Personal and corporate dashboards are converted to generic BI workspaces.
The Performance Management application object is converted to a BI workspace application object.

**Note**
Previously, users with no access rights to the Performance Management application object could create and edit MyDashboard and MyInfoView objects, and save them into personal folders. After the upgrade, such users must be granted access rights to the BI workspace application object.

**Related Information**

*Upgrade Scenarios* [page 18]

### 5.1.4 Deployments with the same major version

You must use the lifecycle management console to promote content between two SAP BusinessObjects Business Intelligence platform 4.0 deployments. You can promote this content as part of the life cycle management process (for example, you can export content from a development or quality assurance deployment to a production deployment).

**Note**
You cannot use the upgrade management tool to migrate content between deployments with the same major version.

For more information, see the *Lifecycle management console for SAP BusinessObjects Business Intelligence platform* guide.

### 5.1.5 Using the upgrade management tool

The upgrade management tool guides you through the process of exporting business intelligence content (user accounts, groups, folders, reports, universes, security, and other objects) and upgrading it to the most recent version.

The upgrade involves the following steps:

**Complete Upgrades**

1. Select an upgrade scenario.
2. Specify the source and destination deployments.
3. (Optional) Specify object parameters.
4. Perform the upgrade.

Incremental Upgrades

1. Select an upgrade scenario.
2. Specify the source and destination deployments.
3. Select objects to upgrade.
4. (Optional) Specify object parameters.
5. Review the summary and upgrade options.
6. Perform the upgrade.

5.1.5.1 Before you start

Before you upgrade your SAP BusinessObjects Business Intelligence platform deployment, ensure that all unnecessary servers on the source and destination deployments are shut down, to avoid inconsistent states in your new 4.0 FP3 deployment:

- Stop all of the servers in the source deployment, except the Central Management Server (CMS), and the File Repository Server (FRS).
- Stop all of the servers (including all of the Job Servers) in the destination deployment, except the CMS, FRS, the Report Application Server (if you plan to upgrade Crystal Reports documents), and the Analysis Server (if you plan to upgrade Voyager documents).
- (Optional) Configure the SSL settings of the upgrade management tool.

To launch the upgrade management tool from the Start menu, click SAP Business Intelligence SAP BusinessObjects BI platform 4 Upgrade management tool.

5.1.5.1.1 To configure SSL settings

If you use SSL, you must configure the SSL settings of the upgrade management tool in $JARDIR$/upgradeManagementToolSystem.properties

**Note**
SSL properties set on the Java Virtual Machine take precedence over the SSL properties set in this file.

**Restriction**
You must use the same SSL certificates on the source and destination deployments, and you must use SAP BusinessObjects Business Intelligence platform 4.0 FP3 to generate the certificates.

1. Open upgradeManagementToolSystem.properties in a text editor.
2. Enter the values for each setting.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>umt.systemVar.ssl.businessobjects.orb.oci.protocol</td>
<td>The value ssl</td>
</tr>
<tr>
<td>umt.systemVar.ssl.certDir</td>
<td>The location of keys and certificates</td>
</tr>
<tr>
<td>umt.systemVar.ssl.trustedCert</td>
<td>The name of the trusted certificate file</td>
</tr>
<tr>
<td>umt.systemVar.ssl.sslCert</td>
<td>The SDK certificate</td>
</tr>
<tr>
<td>umt.systemVar.ssl.sslKey</td>
<td>The private key of the SDK certificate</td>
</tr>
<tr>
<td>umt.systemVar.ssl.passphrase</td>
<td>The location of the file that contains the passphrase for the private key</td>
</tr>
</tbody>
</table>

Note
Entering this value enables SSL communication.

Note
If you specify more than one file, separate your entries with a semicolon (for example, fileA;fileB).

Caution
Do not add or edit any other settings or values.

3. Save `upgradeManagementToolSystem.properties`

Example

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE properties SYSTEM "http://java.sun.com/dtd/properties.dtd">
<properties>
  <entry key="umt.systemVar.ssl.businessobjects.orb.oci.protocol">ssl</entry>
  <entry key="umt.systemVar.ssl.certDir">/usr/SSLCert</entry>
  <entry key="umt.systemVar.ssl.trustedCert">cacert.der</entry>
  <entry key="umt.systemVar.ssl.sslCert">servercert.der</entry>
  <entry key="umt.systemVar.ssl.sslKey">server.key</entry>
  <entry key="umt.systemVar.ssl.passphrase">passphrase.txt</entry>
</properties>
```

Related Information

Variables [page 9]
5.1.5.2 Upgrade management tool pages

5.1.5.2.1 Welcome page

The Welcome page lets you specify a Complete Upgrade or an Incremental Upgrade. You can also select the language you want to use (if your deployment has additional languages installed).

Click Next to continue.

5.1.5.2.2 Log On page

The Log on page lets you specify an upgrade scenario, and source and destination deployments.

Upgrade scenarios

- **Live to Live**
  Exports content from a source deployment to a destination deployment, and upgrades it.

- **BIAR to Live**
  Exports content from a BIAR file to a destination deployment.
  You can use the upgrade management tool to import a BIAR file generated using the Import Wizard from XI Release 2 or XI 3.x.

  **Caution**
  If you want to convert your legacy MyInfoView and InfoView objects to 4.0 FP3, do not use the BIAR to Live upgrade scenario; instead, use the Live to Live upgrade scenario.

- **Live to BIAR**
  Exports content from a source deployment (4.0 or newer) to a BIAR file.

  **Note**
  You cannot export a BIAR file generated using the 4.x upgrade management tool into another 4.x deployment. Use the lifecycle management console to promote content between two 4.x deployments.

  **Caution**
  Using the upgrade management tool to import BIAR files generated with biarengine.jar is not recommended. For more information, see the “Life Cycle Management” chapter of the SAP BusinessObjects Business Intelligence Platform Administrator Guide, and the Lifecycle management console for SAP BusinessObjects Business Intelligence platform guide.
Source and destination deployments

- For the Central Management Server (CMS) that you have selected, enter the user name and password for the administrator account. If the CMS runs on any port except 6400, enter the hostname followed by a colon and a port number (for example, hostname:portnumber).
- For the BIAR file you have selected, enter a path and a file name. You can also enter a password to protect your BIAR file and encrypt the local database created during the upgrade process.

<table>
<thead>
<tr>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Encrypting a BIAR file may increase the length of the upgrade process and result in decreased performance.</td>
</tr>
</tbody>
</table>

Click Next to continue.

After you log onto a CMS, you cannot return to this page. To use a different source or destination deployment, exit the upgrade management tool and restart it.

5.1.5.2.3 Parameters page

The Parameters page lets you enter parameters for objects.

You can enter a URL for a web service query (for example, http://localhost:8080/dswsbobje).

Click Next to continue.

5.1.5.2.4 Summary page

The Summary page displays a list of content that the upgrade management tool will export to the destination deployment.

Complete upgrades

Review the list, then click Start to continue.

Incremental upgrades

The list shows your objects’ dependencies, and other objects that depend on them. To view an object’s dependencies, double-click it or select it and click <<number>> objects depend on this object. The Dependencies page displays the name, path, number of instances, and object type of the dependency.
You can remove an object by clearing the checkbox next to it. To add other objects to the list, click Back and select the objects on the Object Selection page.

To specify name conflict resolution or incremental export options, click Upgrade Options.

Review the list, and then click Start to continue.

### 5.1.5.2.4.1 Upgrade Options

This dialog box allows you to specify name conflict resolution or incremental export options for the upgrade process.

#### Name conflict resolution

Select an action for two objects of the same object type that have the same name and location:

- [Default] **Rename object to avoid name conflict**
  Adds a number to the end of an object’s file name when it is exported.
- **Do not export object**

**Note**
The upgrade options you select apply to all objects during the upgrade. To export multiple objects with different options, you must perform separate incremental upgrades.

#### Incremental export options

- **Overwrite object content**
  Overwrites objects on the destination deployment with objects from the source deployment, if their CUIDs match.

  **Note**
  You can prevent a specific object from being overwritten by unchecking its name in the Except for the following object types list.

- **Overwrite object security**
  Overwrites existing security rights on the destination deployment with security rights from the source deployment, if their CUIDs match.

Click OK to return to the Summary page.
5.1.5.2.5 Export page

The Export page shows information about objects that were upgraded successfully and objects that could not be upgraded.

- The General Info tab displays the results of the upgrade process and the location of the log file.
- The Object Log tab displays detailed information about the processed objects.

The upgrade management tool writes this information to a log file.

5.1.5.3 Performing complete upgrades from the command line

You can run a complete upgrade from the command line on a Windows or Unix machine.

To perform a complete upgrade, run `upgrademanagementtool.jar` from the `<<JARDIR>>` directory.

**Note**
Include the following Java parameters to allocate enough memory and specify the path to `<<BINDIR>>`:

```
-Xmx2g -Djava.library.path="<<BINDIR>>"
```

Related Information

Variables [page 9]
Command-line parameters [page 22]

5.1.5.3.1 Creating a response file

A response file is a plain-text file that contains the parameters necessary to perform an upgrade. Using a response file is a convenient way to run the upgrade management tool from the command line with multiple custom parameters. For more information, see the “Command-line parameters” section.

**Restriction**
Responses cannot contain empty values or quotation marks (").

**Example**

`myResponseFile.txt`

```
mode=livetolive
source=mycms1:6400
```
To use a response file, run `upgrademanagementtool.jar` with the following parameter:

```
-responsefile "/usr/myResponseFile.txt"
```

### Related Information

**Variables** [page 9]

**Command-line parameters** [page 22]

## 5.1.5.3.2 Command-line parameters

### Table 1: Required parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>-biarfile</code></td>
<td>The name and path of the BIAR file used as the source or destination of the export.</td>
<td><code>-biarfile &quot;/usr/biarfiles/myBiarFile.biar&quot;</code></td>
</tr>
<tr>
<td></td>
<td><strong>Note</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>You can set this parameter only if you specified a BIAR file as the source or destination of the upgrade.</td>
<td></td>
</tr>
<tr>
<td><code>-destination</code></td>
<td>The host name of the CMS that you export content to.</td>
<td><code>-destination mycms2:7500</code></td>
</tr>
<tr>
<td></td>
<td><strong>Note</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>If the CMS is running on a non-default port, you must also specify the port number.</td>
<td></td>
</tr>
<tr>
<td><code>-destinationpassword</code></td>
<td>The password of the administrative account in the destination deployment.</td>
<td><code>-destinationpassword &quot;Password1&quot;</code></td>
</tr>
<tr>
<td>Parameter</td>
<td>Description</td>
<td>Example</td>
</tr>
<tr>
<td>---------------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>------------------------------</td>
</tr>
<tr>
<td>-destinationusername</td>
<td>The user name of the administrative account in the destination deployment.</td>
<td>-destinationusername</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;Administrator&quot;</td>
</tr>
<tr>
<td>-mode</td>
<td>The -mode parameter is mandatory.</td>
<td>-mode livetolive</td>
</tr>
<tr>
<td></td>
<td>The mode of exporting content. Acceptable values:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• livetolive: Exports content from one Central Management Server (CMS) to another.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• biartolive: Exports content from a BIAR file to a CMS.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• livetobiar: Exports content from a CMS to a Business Intelligence Archive Resource (BIAR) file.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>For more information, see the “Business Intelligence Archive Resource (BIAR) files” section.</td>
<td></td>
</tr>
<tr>
<td>-source</td>
<td>The host name of the CMS that you export content from.</td>
<td>-source mycms1:6500</td>
</tr>
<tr>
<td></td>
<td>Note: If the CMS is running on a non-default port, you must also specify the port number.</td>
<td></td>
</tr>
<tr>
<td>-sourcepassword</td>
<td>The password of the administrative account in the source deployment.</td>
<td>-sourcepassword &quot;Password1&quot;</td>
</tr>
<tr>
<td>-sourceusername</td>
<td>The user name of the administrative account in the source deployment.</td>
<td>-sourceusername &quot;Administrator&quot;</td>
</tr>
</tbody>
</table>

Table 2: Optional parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>-configparam</td>
<td>Allows you to enter parameters for objects.</td>
<td>-configparam:base_url= &quot;<a href="http://localhost:8080/dswsbobje">http://localhost:8080/dswsbobje</a>&quot;</td>
</tr>
<tr>
<td>Parameter</td>
<td>Description</td>
<td>Example</td>
</tr>
<tr>
<td>---------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>--------------------------</td>
</tr>
<tr>
<td></td>
<td>i Note After typing the parameter, type a colon (:), the name of the object parameter, an equals sign (=), and the object parameter value.</td>
<td></td>
</tr>
<tr>
<td>-locale</td>
<td>Specifies the language locale for the upgrade management tool.</td>
<td>-locale fr_FR</td>
</tr>
<tr>
<td></td>
<td>i Note If a locale is not supported, the upgrade management tool falls back to English or the system locale.</td>
<td></td>
</tr>
<tr>
<td>-logfile</td>
<td>Creates a log file that contains a record of the upgrade process.</td>
<td>-logfile &quot;/usr/logs/myLogFile.csv&quot;</td>
</tr>
<tr>
<td>-biarpassword</td>
<td>Protects your BIAR file with a password.</td>
<td>-biarpassword &quot;p;4s$W0r,d&quot;</td>
</tr>
<tr>
<td></td>
<td>i Note When you use this parameter, -encrypttempstorage is also used.</td>
<td></td>
</tr>
<tr>
<td>-encrypttempstorage</td>
<td>Encrypts the local database created during the upgrade process.</td>
<td>-encrypttempstorage</td>
</tr>
<tr>
<td></td>
<td>i Note Encrypting a BIAR file may increase the length of the upgrade process and result in decreased performance.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Caution This parameter does not protect your BIAR file with a password. Use -biarpassword to add password protection.</td>
<td></td>
</tr>
<tr>
<td>-responsefile</td>
<td>Uses a response file which contains the parameters necessary to perform an upgrade.</td>
<td>-responsefile &quot;/usr/myResponseFile.txt&quot;</td>
</tr>
</tbody>
</table>
5.2 Reconfiguring and adding servers

If your existing deployment was distributed across multiple servers or server clusters, you must add and configure servers manually using the Central Management Console (CMC) to recreate your deployment.

For more information on adding servers and server clusters with the CMC, see the SAP BusinessObjects Business Intelligence Platform Administrator Guide.

5.3 Configuring the auditing database

To keep the contents of your existing auditing database, create a new auditing database for your BI platform 4.0 FP3 deployment. You must recreate all the settings of your original auditing database, because the upgrade management tool does not copy its contents.

For more information on configuring the auditing database, see the “Managing Auditing” chapter of the SAP BusinessObjects Business Intelligence Platform Administrator Guide.

5.4 To enable SAP BusinessObjects Business Intelligence platform 4.0 FP3 servers

After you copy the contents of your existing SAP BusinessObjects Business Intelligence platform deployment, enable the 4.0 FP3 servers using the Central Configuration Manager (CCM) and the Central Management Console (CMC).

1. Open the CCM, and start the Server Intelligence Agent and web application server.
2. Open a browser, and log onto the CMC with Administrator account.
3. In the Servers area, select all of the servers, and click Enable Server.
5.5 Uninstalling a previous deployment

If you installed SAP BusinessObjects Business Intelligence platform side-by-side with an older deployment, you can uninstall the older deployment, its service packs, and its hotfixes when you no longer need them, using Add/Remove Programs in Control Panel.

**Note**

The contents of your existing deployment’s File Repository Servers, CMS database tables, and auditing database tables are not uninstalled.
6 Post Upgrade

After you upgrade SAP BusinessObjects Business Intelligence platform 4.0 FP3, you may need to perform the following tasks:

- If you have existing Windows NT users and groups, you can migrate them to Active Directory (AD) authentication using the AD alias generator tool. (4.0 FP3 does not support Windows NT authentication.) For more information, see the “Migrating Windows NT user and group aliases” section.
- If you have used the upgrade management tool to export third-party users with existing authentication, you must use the Central Management Console to manually update the authentication plug-in. For more information, see the “Authentication” chapter of the SAP Business Objects Business Intelligence platform Administrator Guide.

**Note**

4.0 FP3 does not support Desktop Intelligence reports.

- If you have Desktop Intelligence reports, you can use the upgrade management tool to migrate any dependencies, including folders, objects, application objects, and universes. Then, you can use the Report Conversion Tool to convert Desktop Intelligence reports to the Web Intelligence 4.0 FP3 (.wid) format. For more information, see the SAP Business Objects Business Intelligence Platform Report Conversion Tool Guide.

Related Information

*Exporting third-party users* [page 13]

6.1 Migrating Windows NT user and group aliases

The AD alias generator tool allows you to migrate your Windows NT user and group aliases to Active Directory (AD) aliases. When you run the AD alias generator tool, it logs onto the destination deployment’s Central Management Server (CMS) using administrative credentials and processes the user and group objects on the CMS in batches.

Related Information

*Exporting third-party users* [page 13]
6.1.1 To migrate Windows NT user and group aliases

Note
Before you migrate your aliases, use the Central Management Console (CMC) to configure the Windows AD administrative credentials and the default domain.

1. Use `<<WIN64DIR>>/ADAliasGenerator.exe` to run the AD alias generator tool.
2. Note the command prompt output.
   - If no errors occur, use the AD alias generator tool to remove the NT aliases from the destination deployment.
   - If errors occur, review the log file, use the CMC to remove mapped AD member groups from the destination deployment, change your configuration, and run the AD alias generator tool again.

Related Information

To remove mapped AD member groups [page 29]

6.1.1.1 Command-line parameters for the AD alias generator tool

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>-cms</td>
<td>The host name of the Content Management Server (CMS) on the destination deployment.</td>
<td><code>-cms mycms1:6500</code></td>
</tr>
</tbody>
</table>

- Note
If the CMS is running on a non-default port, you must also specify the port number.

-username | The user name of the administrative account on the destination deployment. | `-username Administrator` |

-password | The password of the administrative account on the destination deployment. | `-password Password1` |

-remove | Removes the user and group NT aliases from the destination deployment. | `-remove` |
### Parameter Description Example

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>-help</td>
<td>Shows the available command-line parameters.</td>
<td>-help</td>
</tr>
</tbody>
</table>

#### Example

### Migrating NT user and group aliases to AD

```
<<WIN64DIR>>/ADAliasGenerator.exe
-cms mycms1:6500
-username Administrator
-password Password1
```

### Related Information

*Variables* [page 9]

#### 6.1.2 To remove mapped AD member groups

You can remove the mapped AD member groups to undo the actions of the AD alias generator tool.

1. Start the Central Management Console (CMC).
2. Go to the **Authentication** area and double-click **Windows AD**.
   - The *Windows Active Directory* dialog box appears.
3. In the Mapped AD Member Groups area, click an AD group, and then click Delete.

4. When you finish removing AD member groups, click Update.

The dialog box closes.

Your changes are applied to the Central Management Server.
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