



BusinessObjects LifeCycle Manager User's Guide for XI 3.1

BusinessObjects Enterprise XI 3.1

windows



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Introduction

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About this guide

BusinessObjects LifeCycle Manager XI 3.1(LCM) is a web-based tool that enables you to move business intelligence (BI) resources from one repository to another. It also supports the management of different versions of the same BI resource.

This guide introduces you to the LCM tool and discusses its features. It also describes how to use the different features that this tool supports.

What is Life-Cycle Management?

Life-Cycle Management refers to the set of processes involved in managing information related to a product life cycle, from the stage of concept through delivery. It establishes procedures for governing the entire product life cycle, which includes phases such as development, production, testing, and so on.

The BI resources that are present in the development repository must be transferred to the testing repository for testing deployment. These phases can occur at the same site or at different geographical locations. The time required to transfer the resources from one repository to another repository must be minimal, to obtain a high-quality and competitive product. These resources also have dependencies that have to be moved from one repository to another. The dependencies of resources add more complexity to the problem, because these resources have to move along with the dependents.

What is LifeCycle Manager?

BusinessObjects LifeCycle Manager (LCM) is a web-based tool that enables you to move BI resources from one system to another system, without affecting the dependencies of these resources. It also enables you to manage different versions of BI resources, manage dependencies of BI resources, and roll back a promoted resource to restore the destination system to its previous state.

The LCM tool is a plug-in for the BusinessObjects Enterprise application. You can promote a BI resource from one system to another system only if the same version of the BusinessObjects Enterprise application is installed on both the source and destination systems.

LCM terms

This section discusses some of the terms that are relevant for understanding and using the LCM tool.

Job

A job is a collection of info-objects that can be moved from one BusinessObjects Enterprise deployment to another BusinessObjects Enterprise deployment. It can also refer to a collection of related and dependent cluster unique IDs (CUIDs) that needs to be promoted to the destination system.

Job instance

A job instance is a job that is scheduled to run at a specific time set by the user.

Primary resource

A primary resource refers to a user-selected resource that is promoted by the LCM tool.

Direct dependent resource

A direct dependent resource refers to an LCM tool-selected resource that the primary resource directly depends on. For example, a Web Intelligence report depends on a universe. In this case, the Web Intelligence report is the primary resource and the universe is the direct dependent resource.

Indirect dependent resource

An indirect dependent resource refers to an LCM tool-selected resource that the selected resource indirectly depends on. For example, a Web Intelligence report exists in a folder. In this case, the Web Intelligence report is the primary resource and the folder in which the Web Intelligence report exists is the indirect dependent resource.

Info-objects

An info-object is a meta-data representation of reports, folders, servers, personal inboxes, or any other managed components in a BI platform. It exposes a standard set of information and interfaces, and encapsulates the specific details of each managed component. All components that are used and managed by the BI platform are represented as info-objects. An info-object contains information such as the ID number, info-object type, and scheduling information. These types of information enable the BI platform to manage each component.

Promotion

Promotion refers to the activity of creating or updating an info-object, along with its dependents, in the destination system.

Promotion Jobs Folder

The Promotion Jobs folder is a repository in which all the LCM jobs are stored.

Rollback

Rollback refers to the activity of restoring the destination system to its previous state, after a job has been promoted.

Shopping Cart

The Shopping Cart is a dynamically generated hierarchical tree list that displays the hierarchy of folders based on the objects selected. It also includes all the direct and indirect dependents of the job. The contents in the Shopping Cart are categorized according to their object type.

Version Management

Version management, also known as version control, refers to the management of multiple versions of the same unit of information. It is used in engineering and software development to manage ongoing evolution of digital documents that may be worked on by a team of people.

BIAR File

A Business Intelligence Archive Resource (BIAR) file is a tool that enables you to pack managed content in a BusinessObjects Enterprise system. It can be used to archive folders and objects in the Enterprise repository, so that the archived contents can be transferred easily to a different location. This tool is also useful for backing up objects. BIAR files are available only on BusinessObjects Enterprise XI 3.1 systems.



LCM Features



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The LifeCycle Manager tool supports the following features:

- Promotion - This feature enables you to create or update info-objects in the destination system. Apart from promoting info-objects, this feature enables you to perform the following tasks:
 - Create a new job
 - Copy an existing job
 - Edit a job
 - Schedule a job promotion
 - View the history of a job
- Managing Dependencies - This feature enables you to select and manage the dependents of the info-objects in the job that you want to promote.
- Mapping - This feature enables you to modify a source connection or URL in the source system to match with a dependency type that exists in the destination system. The LCM tool supports the following types of mapping:
 - Connection mapping
 - QaaWS mapping
 - Crystal report mapping
- Scheduling - This feature enables you to specify a time for job promotion, rather than promote a job as soon as it is created. You can specify the time for job promotion using any of the following parameters: hourly, daily, weekly, or monthly.
- Security - This feature enables you to promote info-objects along with the associated security rights.
- Test Promotion - This feature enables you to match the cluster unique IDs (CUIDs) of the info-objects in the source system with the cluster unique IDs (CUIDs) of the info-objects in the destination system. This feature is especially useful in detecting conflicts between CUIDs of info-objects in the source system and the destination system.
- Air Gap - When the source and destination systems are on different networks or are not connected, the Air Gap feature facilitates promotion by allowing the users to create a BIAR file. This BIAR file can be used as a source in the destination system for promotion.
- Rollback - This feature enables you to restore the destination system to its previous state, after a job is promoted. You can roll back an entire job or a part of the job.

- Version Management - This feature enables you to manage different versions of the same document. This feature also enables you to track the changes in the directory.
- Auditing - The events generated by the LCM tool are stored in the audit database. The Auditing feature enables you to monitor the events that are logged in the audit database.
- Administration options - This feature enables the administrator to configure some of the parameters of the LCM tool.

Authorization in LCM

The LCM tool allows you to log into the source system only if you have adequate permissions. However, to promote a job, the user must have adequate permissions on both the source and the destination systems.

The LCM tool allows you to log into different CMSs while creating, editing, or promoting a job. You can select the appropriate CMS from the CMS drop-down list, provided you have adequate rights. The administrator creates the list of CMSs that the LCM users can log into. You can also add new CMSs to the list.

Whenever you log into a CMS, the LCM tool stores your login credentials in the job session. Hence, you need not log into the same CMS multiple times within a single session.

The following table lists the permission types required to perform various operations using the LCM tool:

User rights on the LCM folder	Operations
View	To log into the LCM tool
Edit Objects	To edit jobs and folders, and add info-objects, user groups, and folders.
Schedule Objects	To schedule a job
Edit and Schedule Job	To promote or test promote a job

User rights on the LCM folder	Operations
Delete Object	To delete a job
Delete Object and Edit Objects	To copy and remove, or paste a job
Edit Objects and Delete instances	To roll back a job

Security in LCM

This section discusses the security feature in the LCM tool.

The LCM tool supports the following security options:

- Do not promote security - If you select this option, jobs are promoted without the associated security rights. This is the default option.
- Promote security of all objects in the job - If you select this option, jobs are promoted along with the associated security rights.

The following table discusses the behavior of info-objects in relation to the supported security options:

Behavior	Promotion with security	Promotion without security
If the info-objects do not exist in the destination system.	Info-objects are created in the destination system. They have identical rights on both source and destination systems.	Info-objects are created in the destination system and inherit the rights of the destination system.
If the info-objects exist in the destination system.	Info-objects are copied to the destination system. The info-objects have rights identical to the rights of the source system.	Info-objects are updated; however, the rights remain unchanged.
If the users or user groups do not exist in the destination system.	Users or user groups are created in the destination system. The rights of the source system are carried to the destination system.	Users or user groups are not created in the destination system. Users or user groups are created in the destination system, if they are primary objects.
If the users or user groups exist in the destination system.	Users or user groups are mapped to the destination system; the rights of the users or user groups are identical on both source and destination systems.	Users or user groups are mapped to the destination system; the rights of the users or user groups do not change in the destination system.
Universe restriction set	The universe and its restriction set, along with the rights, are promoted.	The Universe and its restriction set are promoted. The security rights are dropped.

Note:

The LCM tool does not support merging of security rights.

Workflows in LCM

This section describes the workflows that the LCM tool supports for promoting a job from the source system to the destination system.

You can promote a job from the source system to the destination in the following scenarios:

- The source system and the destination system are connected
- The source system and the destination system are not connected

Promoting a job if the source system and the destination system are connected

Promoting a job when the source system and the destination system are connected involves the following steps:

1. Connect to the source system.
2. Create a new job. You can also copy an existing job.
3. Add info-objects to the job that you want to promote. If you do not want to promote all the dependents of the info-objects, you can use the **Manage Dependencies** option and select the dependents you want to promote.
4. Promote the job.

Promoting a job if the source system and the destination system are not connected

Promoting a job if the source and the destination systems are not connected involves the following steps:

1. Connect to the source system, and create a job. You can also copy an existing job.
2. Add info-objects to the job that you want to promote. You can use the **Manage Dependencies** option to select the required dependents.
3. Export the info-objects with **Output to BIAR file** as the destination system.
4. In the destination system, select **Copy from the BIAR file** as the source system.
5. Import the info-objects from the BIAR file.
6. Promote the job.



LCM Home Page and Shopping Cart



chapter

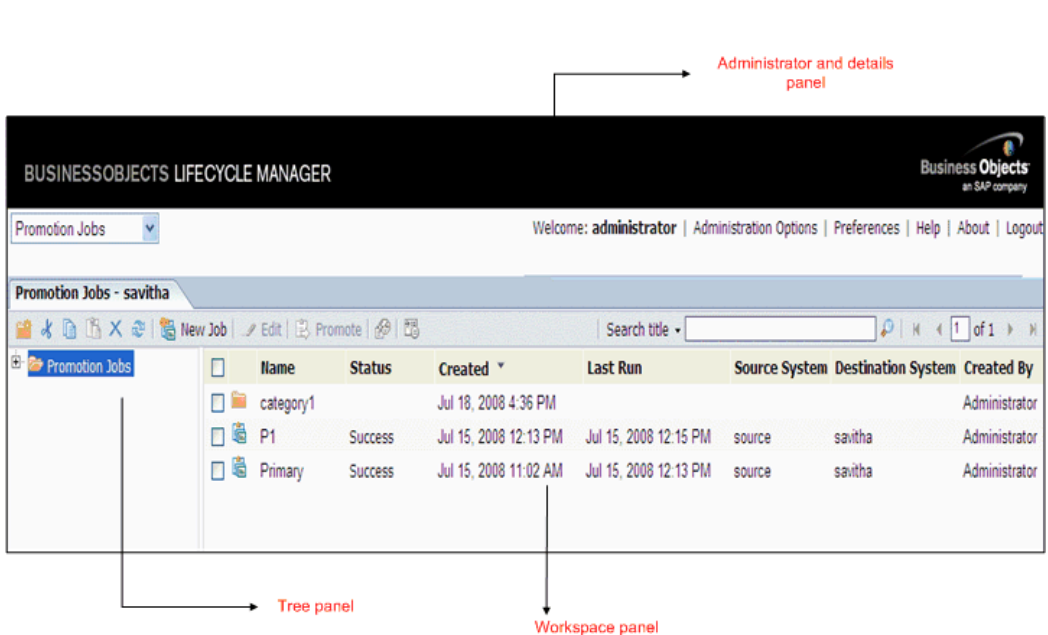


This chapter discusses the GUI components in the LCM tool.

The LifeCycle Manager home page is divided into the following panels:








- LCM workspace toolbar
- Workspace panel
- Tree panel
- Administrator and Details panel
- Shopping Cart and Job Viewer page


The following figure shows the LCM home page:



LCM workspace toolbar

The following table lists the options included in the LCM workspace toolbar and discusses the tasks that you can perform using these options:

Option	Description
	Enables you to create a new folder. The new folder is created as a subfolder in the Promotion Jobs folder.
	Enables you to copy and remove the selected job or folder from its current location.
	Enables you to paste the copied job or folder in a new location.
	Enables you to copy the shortcut to a job or folder.
	Enables you to paste the copied shortcut to a job or folder in a new location.
	Enables you to delete an existing job.
	Enables you to refresh the LifeCycle Manager home page, to obtain the updated list of jobs or folders available for promotion.
New Job	Enables you to create a new job.
Edit Job	Enables you to edit the selected job.
Promote Job	Enables you to promote the selected job.
History	Enables you to view the history of the selected job.
Properties	Enables you to modify the properties of the selected job. You can modify the title, description, and keywords of the selected job.

Option	Description
Search	Enables you to search for a specific job. You can search for a job by its name, keywords, description, or all three parameters.
	Enables you to navigate between pages of the job list. You can use this option to navigate a single page, or navigate to a specific page by entering the relevant page number.
Copy an Existing Job	Enables you to create a new job by copying an existing job.
Promotion jobs	Enables you to view the promoted jobs.

Workspace panel

The Workspace panel in the LCM home page displays the list of newly created jobs. You can use this panel to view the name of the job, status of the job, job creation information, and information about the destination system.

Tree panel

The Tree panel in the LCM home page displays the tree structure, which includes the **Promotion Job** folder. The newly created folders are displayed in a hierarchical structure under the **Promotion Job** folder.

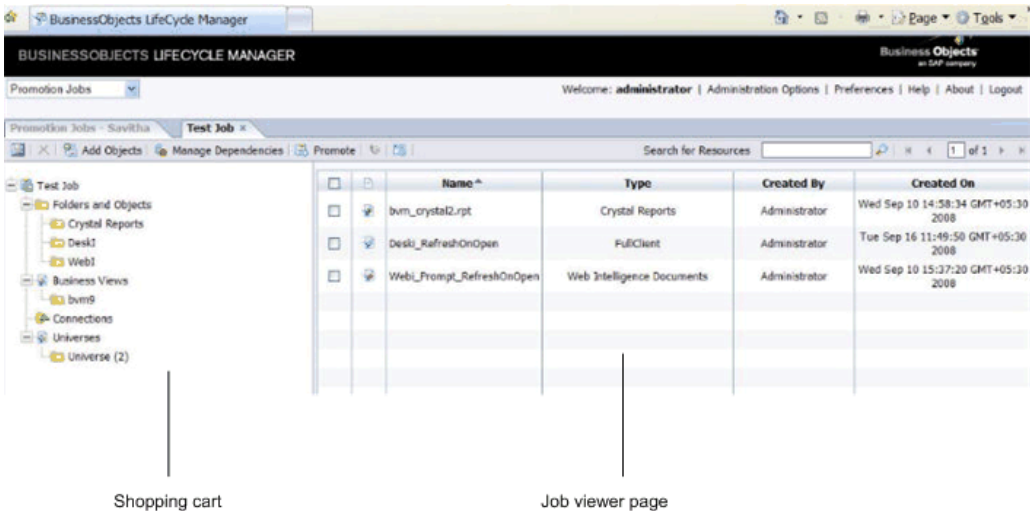
Administrator and Details panel

The Administrator panel includes the **Administration Options** link. The system administrator can use this link to access the Administration options. It also includes the **Preferences** link that enables the administrator and users to set the LCM preferences. The **Help** and **About** links enable you to obtain more information about using the LCM tool.

Shopping Cart and Job Viewer page

A Shopping Cart is a dynamically generated hierarchical tree list that contains a list of the info-objects to be promoted. It displays the root folder and the objects folder for both selected and dependent objects. The **Job Viewer** page enables you to view the info-objects that are appended to a job.

The following figure shows the Shopping Cart and Job Viewer page:



3 | LCM Home Page and Shopping Cart



Getting started with LCM



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Logging into the LCM tool

This section describes how to log into the LCM tool.

To log into the LCM tool, complete the following steps:

1. Select **Start > Programs > BusinessObjects XI 3.1 > BusinessObjects Enterprise > BusinessObjects LifeCycle Manager**.

The LCM login screen appears.

2. In the **System** field, type the name of the Central Management Server (CMS) on which the LCM tool is installed.
3. Type the user name and password.
4. Select the appropriate authentication method from the **Authentication** drop-down list.

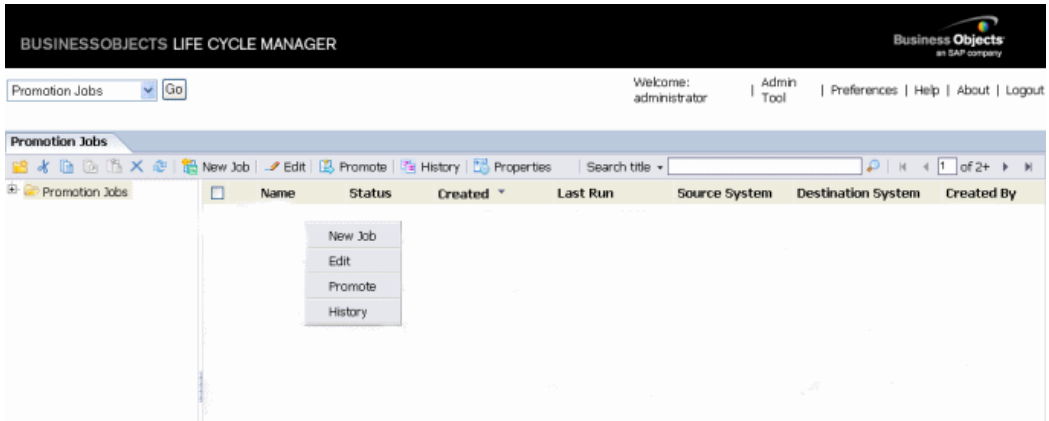
The LCM tool supports the following authentication type:

- Enterprise authentication - This authentication type requires a user name and a password that are recognized by the BusinessObjects Enterprise system. This is the default authentication method.
- LDAP authentication - This authentication type requires a user name and a password that are recognized by the BusinessObjects Enterprise system.
- Windows AD - This authentication type requires a user name and a password that are recognized by the BusinessObjects Enterprise system.

The LDAP, Windows AD, and other third-party authentication types require a special setup. For information on setting up these authentication types, see the *BusinessObjects Enterprise Administrator's Guide*.

5. Click **Log on**.

The "Promotion Job" home page is displayed, as shown in the following figure:

**Note:**

- Any user with View permissions to the LCM folder can log into the LCM tool. However, to create, schedule, or promote a job, the user must be granted additional rights by the administrator.

Using the Administration Options

The "Administration Options" enable you to configure settings before promoting info-objects from one BusinessObjects Enterprise deployment to another BusinessObjects Enterprise deployment. This section describes how to use the Administration options.

To access the Administration options, click the **Administration Options** link in the "Promotion Job" screen. The "Administration Options" dialog box appears. This dialog box displays the following options:

- **Manage Systems** - This option enables you to add and remove host systems.
- **Rollback Settings** - This option enables you to configure the rollback process at the system level.
- **Job Settings** - This option enables you to specify the number of job instances that can exist in the LCM system.
- **Audit Log** - This option enables you to audit various events that are logged while the LCM tool is in use.
- **Subversion Settings** - This option enables you to configure the Subversion parameters.

Using the Manage Systems option

This section describes how to use the **Manage Systems** option to add or remove host systems.

To add a host system, complete the following steps:

1. Click the **Manage Systems** option.
The "Manage System" window appears. This window displays the lists of host names, display names, and descriptions.
2. Click **Add**.
The "Add System" dialog box appears.
3. Add the host name, display name, port number, and the description in the appropriate fields.
4. Click **Add** to add the system.
The host system is added to the list.

Note:

To remove a host system, select the host system you want to remove, and click **Remove**. The selected host system is removed from the list.

You can also edit the host name, display name, port number, and the description.

Using the Job Settings option

The Job Settings option enables you to specify the number of job instances that can exist in the system. You can specify one of the following options:

- Delete job instances when more than - This option enables you to specify the maximum number of job instances per job that can exist in the system.
- Delete job instances when older than - This option enables you to specify that all job instances created before the specified number of days must be deleted.

To set the **Job Settings** option, complete the following steps:

1. Select the option, and type the preferred value.
2. Click **Save Changes** to save the updated changes.

You can click **Default Settings** to set the default values.

Note:

The old job instances are deleted only when the job is executed the next time.

Using the Rollback Settings option

By default, the rollback process is enabled at the system level. The Rollback Settings option allows you to disable the rollback process at the system level.

To disable the rollback process at the system level, complete the following steps:

1. Click the **Rollback Settings** option in the "Administration Options" window. The list of host systems is displayed.
2. Select the host system to disable the rollback process.
3. Click **Save and Close** to save the modifications.

Using the Audit Log option

To audit the LCM events, complete the following steps:

1. Click the **Audit Log** option in the "Administration Option" window.
2. Select the events that you want to audit.
You can also use the **Select All** option to audit all events.
3. Click **Save and Close**.

Note:

To audit the LCM events, you must enable the Audit Events option in the Adaptive Processing server.

To enable the Audit Events option, complete the following steps:

1. Log into CMC, and select **Servers > Adaptive Processing server > Audit Events**.
2. Select the **Auditing is Enabled** option.

To audit LCM scheduled events, you must enable the audit events option in the LCM job server.

To enable the Audit Events option, complete the following steps:

1. Log into CMC, and select **Servers > LCM Job Server > Audit Events**.
2. Select the **Auditing is Enabled** option.
3. Select the events for audit.

For more information on auditing in LCM, see [Auditing in LCM](#) on page 67

Using the Subversion Settings option

To set the Subversion Settings option, complete the following steps:

1. Click the **Subversion Settings** option in the **Administration** options window. The server name, server port number, user name, password, repository name, and the name of the workspace directory that were provided during the LCM installation, are displayed in the appropriate fields.

For more information, see the *BusinessObjects LifeCycle Manager Installation Guide*.

2. Modify the appropriate fields per your requirements.
3. Click **Save**.

Note:

After modifying the required fields, you must manually configure the Subversion `passwd` file, or modify the Subversion windows service.

Setting the LCM preferences

You can specify the number of jobs that must be displayed in the "Promotion Jobs" screen. You can also view jobs that were created during a particular time interval.

To set the LCM preferences, complete the following steps:

1. Click the **LCM Preference** link in the LCM "Promotion Job" screen.
The "LCM Preferences" window appears.
2. In the "Enter the Maximum Page Size" dialog box, specify the number of objects that must be displayed per page in the "Promotion Job" screen.

3. From the **Show Jobs Created** drop-down list, select the time interval to view the jobs created during the specified period.
4. Click **OK**.

Note:

The values set in "LCM Preferences" page are specific to each session.



Using the LCM tool



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Promotion Job

When you log into the LCM application, you are, by default, taken to the "Promotion Job" page. The "Promotion Job" home page screen includes various tabs that you can use to perform the following tasks:

- Select **New Job** to select job-related processes. You can also right-click the home page screen and select the job-related processes from the list.
- Select **Edit** to edit the existing jobs.
- Select **Promote** to promote the job from the source system to the destination system, or export the job to a BIAR file.
- Select **History** to view the previous promotion instances of the job.
- Select **Properties** to view the properties of the selected job instance, such as title, ID, file name, description, and so on.

The "Promotion Job" application area displays the jobs that exist in the system, along with the following information for each job:

- **Name:** Displays the name of the job that was created.
- **Status:** Displays the status of the job, such as Created, Success, Partial Success, Running, or Failure. You can view the status of the job by using the link available in the **Status** column.
- **Created:** Displays the date and time when the job was created.
- **Last Run:** Displays the date and time when the job was last promoted.
- **Source System:** Displays the name of the system from which the job will be promoted.
- **Destination System:** Displays the name of the system to which the job will be promoted.
- **Created by:** Displays the name of the user who created the particular job.

Note:


The LCM tool uses BusinessObjects Enterprise SDK for all its activities.

Creating and deleting a folder

This section describes how to create and delete a folder.

Creating a folder


To create a folder, complete the following steps:

1. In the LCM toolbar, click the  icon.
2. Enter the folder name in the "Create Folder" dialog box.
3. Click **OK**.

A new folder is created.

Deleting a folder

To delete a folder, complete the following steps:

1. Select a folder or job in the "Promotion Job" home page.
2. Click the  icon.

The "Delete" dialog box appears.

3. Click **OK**.

The selected folder is deleted.

Creating a new job

This section describes how to create a new job by using the LCM tool.

The following table discusses the GUI elements and fields that you can use to create a new job:

Item	Description
Name	Name of the job that you want to create.
Description	Description of the job you want to create. Entering this information is optional.

Item	Description
Keywords	The keywords for the contents of the job you want to create.
Save Job in	A GUI element that enables you to store the job in a folder of your choice. You must select a folder to create a job.
Source System	The name of the BusinessObjects Enterprise system from which you want to promote a job
Destination System	The name of the BusinessObjects Enterprise system to which you want to promote a job.
User name	The login ID that you must use to log into the source or destination system.
Password	The password that you must use to log into the source or destination system.
Authentication	<p>The authentication type that is used to connect to the source or destination system.</p> <p>The LCM tool supports the following authentication types:</p> <ul style="list-style-type: none"> • Enterprise • Windows AD • LDAP

To create a new job by using the LCM tool, complete the following steps:

1. Log into the LCM tool.
2. In the "Promotion Job" home page, click the **New Job** tab, as shown in the following figure:

Promotion Jobs - bng-d02-treddy | New Job *

Add Objects | Manage Dependencies | Promote | Rollback | Properties

Fields marked with an asterisk (*) are required fields

Name* Copy an Existing Job

Description Copy Job From File

Keywords

Save Job in* Promotion Jobs

Source System*

Destination System

Create Cancel

3. Type the name, description, and keywords for the job in the appropriate fields.
4. In the **Save Job in** field, select the folder in which you want to save the job.
5. Select the source system and the destination system from the drop-down lists.

If the name of the system is not displayed in the drop-down list, click the **Login to a new CMS** option. A new window is launched. Enter the name of the system along with the user name and password.

6. Click **Create**.

A new job is created and stored in the CMS repository of the source system.

Note:

Providing information in the **Description**, **Keywords**, and **Destination System** fields is optional.

Logging into a new CMS

To log into a new CMS, complete the following steps:

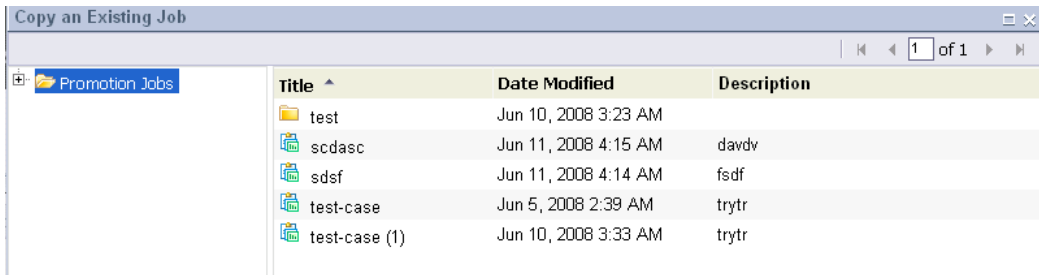
1. Log into the LCM tool.
2. Create a new job.
For more information on creating a new job, see [Creating a new job](#) on page 35.
3. From the **Source System** drop-down list, select **Login to a New CMS**.
The "Login to System" dialog box appears.
4. Type the user credentials, select the appropriate authentication type, and click **Login**.
5. From the **Destination System** drop-down list, select **Login to a New CMS**.
6. Type the user credentials, select the appropriate authentication type, and click **Login**.

Creating a new job by copying an existing job

This section describes how to create a new job by copying an existing job.

To create a new job by copying an existing job, complete the following steps:

1. Log into the LCM tool.
2. In the "Promotion Job" home page, click **New Job**.
3. Click the **Copy an Existing Job** option. The list of jobs in the **Promotion Job** folder is displayed, as shown in the following figure:



Title	Date Modified	Description
test	Jun 10, 2008 3:23 AM	
scdasc	Jun 11, 2008 4:15 AM	davdv
sdsf	Jun 11, 2008 4:14 AM	fsdf
test-case	Jun 5, 2008 2:39 AM	trytr
test-case (1)	Jun 10, 2008 3:33 AM	trytr

4. Select a job from the job list, and click **Create**.

The name, keywords, and description of the job are displayed. You can modify these fields, if required. However, you cannot change the source system.

5. In the **Save Job in** field, select the folder in which you want to save the job, and click **Create**.

A new job is created, and the "Job Viewer" page appears.

Searching for a job

The search feature in the LCM tool enables you to locate a job that is available in the LCM repository.

To search for a job, complete the following steps:

1. In the **Search** field of the LCM home page, type the text that you want to locate.
2. Click the list that appears beside the **Search** field to specify the search parameters. The LCM tool supports the following search parameters:
 - Search Title - This option enables you to search for a job by its name.
 - Search Keyword - This option enables you to search for a job by its keywords.
 - Search Description - This option enables you to search for a job by its description.
 - Search All Fields - This option enables you to search for a job by its title, keywords, and description.

Editing a job

This section describes how to edit a job.

Note:

Editing a job does not amount to creating a new job.

To edit a job, complete the following steps:

1. Log into the LCM tool.
2. In the "Promotion Job" home page, select the job that you want to edit, and click **Edit**.

The details of the selected job are displayed. Based on your requirements, you can add or remove info-objects.

Note:

If you have not logged into the destination system, complete the following steps:

- a. Modify the contents of the **Name**, **Description**, **Keywords**, and **Save Job in** fields per your requirements.

You can click **Login** to access a different destination system, if required.

- b. Click **Update** to update and save the job.

Note:

While editing a job, you cannot change the source system to another CMS.

Adding an info-object to a job

Each job must include a set of info-objects and their dependents. Hence, you must add info-objects to a job before you promote it to the destination system.

To add an info-object to a job, complete the following steps:

1. Log into the LCM tool.
2. Create a new job. For information on creating a new job, see [Creating a new job](#) on page 35

3. Click Add Objects.

The "Life Cycle Manager Add Objects" dialog box appears, and the Folders and Objects tree structure is displayed.

4. Navigate to the folder from which you want to select the info-object.

The list of info-objects in the selected folder is displayed.

5. Select the info-object that you want to add to the job, and click Add.

If you want to add an info-object and exit the "LifeCycle Manager - Add Objects" dialog box, click **Add and Close**. The info-object is appended to the job and the "LifeCycle Manager - Add Objects" dialog box closes.

After you add an info-object to a job, you can right-click the "Add Objects " screen and select the job-related processes to proceed with the promotion task. You can also use the **Manage Dependencies** option in the "Job Viewer" page, to manage the dependents of the info-object you selected.

Note:

- The Shopping Cart, which appears in the left panel of the "Add Objects" screen, displays the name of the job, and the name of the folders. When you select an object, the folders to which the selected object belongs are implicitly displayed in a hierarchical tree structure.
- Click the **Save** option after adding info-objects, to save the changes. Otherwise, the user is prompted with an option to save the job when the user closes the tab.

Best Practice: Business Objects recommends that you select a small number of info-objects, not more than 100 at a time, for promotion to obtain optimum performance of the LCM tool.

Related Topics

- [Creating a new job](#) on page 35
- [Editing a job](#) on page 40

Searching for dependents

The advanced search feature in LCM enables you to locate the dependents of info-objects that are available in the repository.

To search for the dependents of an info-object, complete the following steps:

- 1.** Log into the LCM tool.

2. Create a new job, or edit an existing job.

If you have created a new job, add info-objects to the job. If you edited an existing job, you can add objects, if required.

3. Click **Manage Dependencies**.
4. In the **Search Dependents** field, type the name of the dependent you want to locate.

Related Topics

- [Managing job dependencies](#) on page 42

Managing job dependencies

In a BusinessObjects Enterprise environment, info-objects are dependent on other info-objects. For example, a Web Intelligence document is dependent on the underlying Universe for its structure, content, and so on. While promoting an object, you can either select the dependents that you want to promote, or permit the promotion of all the dependents to another BusinessObjects Enterprise system. To select the dependents you want to promote along with the info-object, you must use the **Manage Dependencies** option. If you do not use this option, the dependents will not be promoted along with the job.

The following table discusses options that you can use to manage the dependents:

Types of Dependency objects	Description
Universe for selected reports	Promotes the universe that the selected info-object is dependent on.
Selected universes, Universe restriction set.	Promotes universes that are dependent on other universes and Universe restriction set.
Access levels set on selected objects	Promotes access levels that are used on the selected info-objects.
Connections used by selected universes	Promotes universe connection objects that are used by the selected info-objects.

Types of Dependency objects	Description
Business Views for selected reports	Promotes Business Views, Business elements, Data foundation, data connection, and List of Values (LoVs) that the selected info-objects depend on.
Events, calendars, profiles used by selected publication	Promotes event, calendar, and user profile objects that are used by a selected publication.

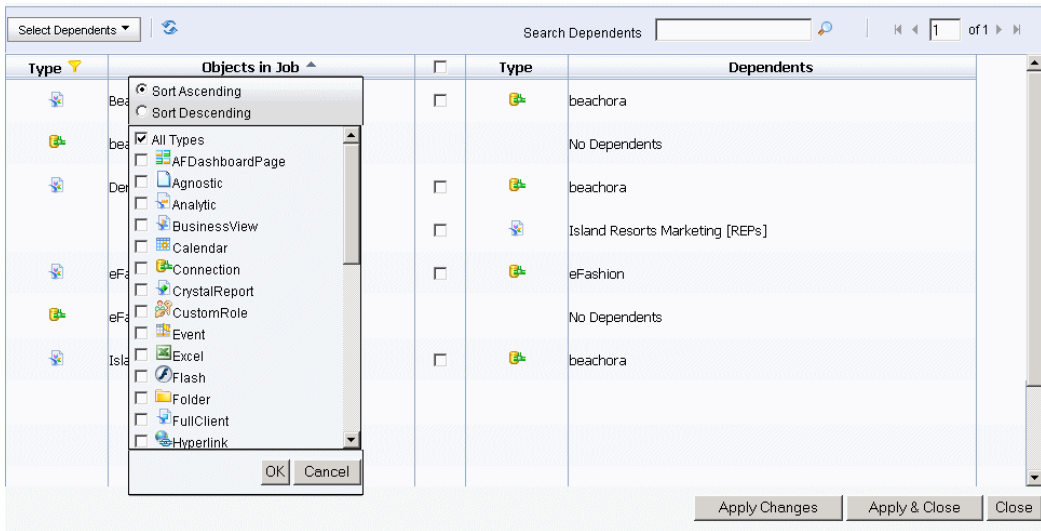
To manage dependencies of an info-object, complete the following steps:

1. Log into the LCM tool.
2. Create a new job. For information on creating a new job, see [Creating a new job](#) on page 35.
3. Add the required info-objects to the new job.

The "Manage Dependencies" tab appears.

4. Click **Manage Dependencies**.

The "Manage Dependencies" window appears. This window displays the list of info-objects and their dependents, as shown in the following figure:



- From the **Select Dependents** drop-down list, select any of the options available to add the dependents to the job. The dependents are displayed on the right side. The dependents are not selected by default; you must explicitly select the dependents you want to promote.

For example, if you select **All Universes** from the **Select Dependents** drop-down list, then all the universes included in the list of dependents are automatically selected.

You can also select all the dependents manually.

You can click the



icon to view the supported filtering options for the info-objects. A drop-down list appears. This list displays the supported filtering options. Select the filtering option, and click **OK**. The filtered info-objects are displayed.

When you select the dependents from the **Dependents** column, the dependents are automatically moved to the **Objects in Job** column.

You can also type the name of the dependent in the **Search Dependents** field to search for a dependent. For more information on searching for the dependents, see [Searching for dependents](#) on page 41.

6. Click **Apply Changes** to update the list of dependents.
7. Click **Apply Changes and Close** to save the changes.

Note:

- Dependent objects are computed automatically by the LCM tool. These dependents are computed based either on the info-object relationships or info-object properties. Dependents that do not qualify under either of these are not computed automatically in this version of LCM.
- If you select a folder for promotion, then the contents in the selected folder are considered as primary resources.

Promoting a job when the repositories are connected

This section describes how to promote a job from a source system to a destination system if the repositories are connected.

The following table lists the info-object types that can be promoted by using the LCM tool:

Category	Object types you can promote	Additional notes
Business Views	Business View Manager, DataConnection, List Of Values (LOV), Data Foundation, and so on	
Reports	Crystal reports, Web Intelligence, Full Client, and Xcelsius	Full client add-in and templates are supported.
Third-Party Objects	Excel, PDF, PowerPoint, Flash, Word, .txt, .rtf, and .swf files	
Users	Users and user groups	

5 | Using the LCM tool

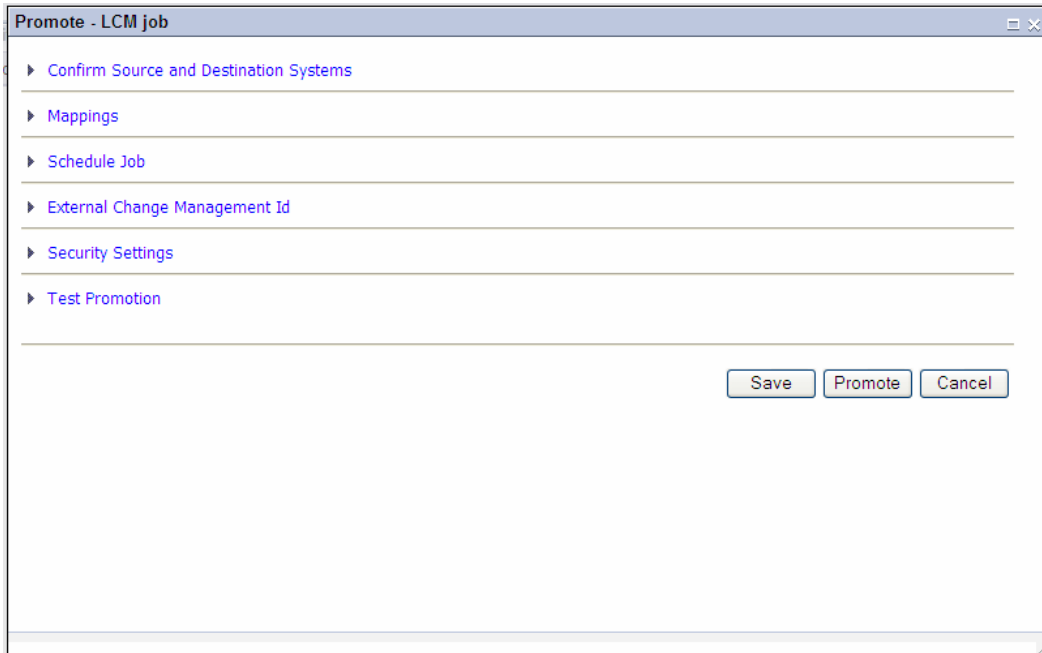
Promoting a job when the repositories are connected

Category	Object types you can promote	Additional notes
Business Intelligence Platform	Folders, events, calendars, custom roles, hyperlinks, shortcuts, programs, profiles, MyInfoView, object packages, diagnostics	
Universe	Universe, Connections Universe, and Universe restriction set	

To promote a job, complete the following steps:

1. Log into the LCM tool.
2. In the "Promotion Jobs" home page, select the job that you want to promote. You can also right-click the home page screen, and click **Promote**.

The following figure shows the "Promote" page in LCM tool:



3. From the source and the destination systems drop-down lists, select the source and destination systems.

Note:

Ensure that you have logged into both the source and destination systems before you proceed with the promotion process.

4. Click **Mappings**. Click **Edit Mappings** if you want to create and validate mappings.

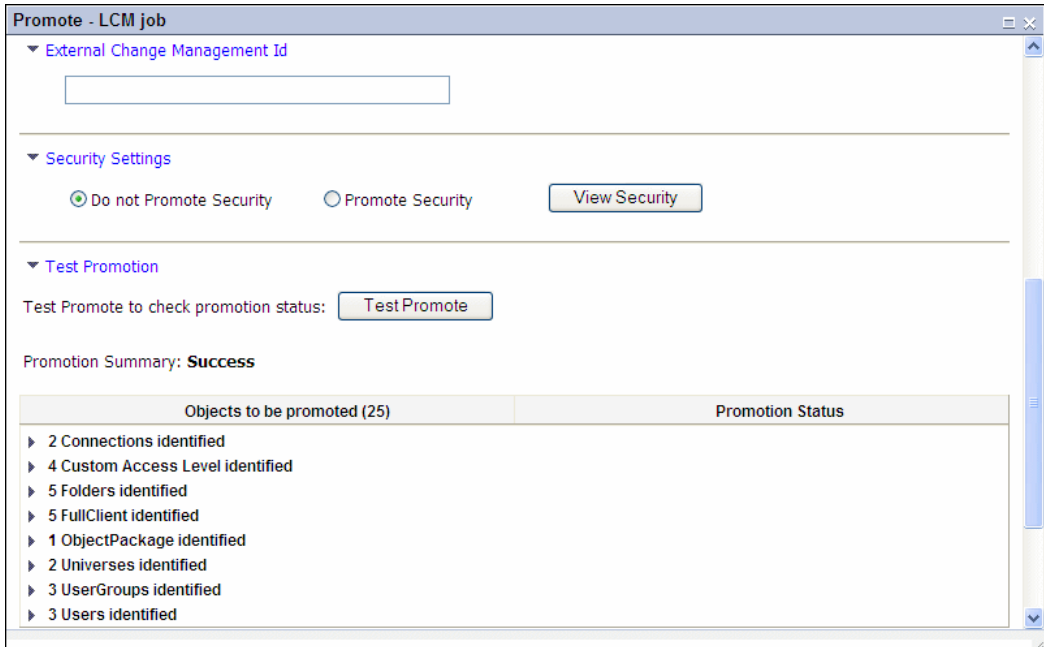
Note:

For more information on mapping, click the  icon.

5. Click **Schedule Job** if you want to schedule the job promotion.
6. In the **External Change Management ID** field, enter the appropriate value, and click **Save**, as shown in the following figure:

5 | Using the LCM tool

Promoting a job when the repositories are connected



Note:

The Change Management ID is used for obtaining information related to logging, auditing, job history, and so on. The LCM tool enables you to map each instance of job creation to a change in the Management ID. The Management ID is an attribute that is set by the user in the job definition while creating a new job. The LCM tool automatically generates an ID for each job.

7. Click **Test Promotion** to ensure that there is no conflict between CUIDs in the source and destination systems. The promotion details are displayed. The first column displays the objects to be promoted, and the second column displays the promotion status. The LCM tool classifies the selected objects into users, groups, universes, and so on.

Note:















Running the Test Promotion feature does not commit any info-objects for promotion.

The result of a test promotion can be any of the following:

- Overwritten - The info-object in the destination is overwritten by the info-object in the source system.

- Mapped - The following info-object types are mapped to the destination system: folders, users, user groups, and custom custom roles. An info-object is mapped to the destination system and promoted only if the **Security** option is enabled. Otherwise, the info-object is not promoted.
 - Copied - The info-object in the source system is copied to the destination system.
 - Dropped - The info-object is not promoted from the source system to the destination system.
8. Click **Security**, if required. The following options are displayed:
- Do not Promote Security - This is the default option.
 - Promote Security - Use this option to promote jobs along with the associated security rights.

You can also click **View Rights** to view the security dependencies of the info-objects in the job.

Principals			
Type	Objects in Job	Type	Principals
	Evalkit_secu		Delegated Admin
	Everyone		Administrators
	Ac4TyzduPOpFI9kJFqv7IE4		Administrators
			Full Control
			Everyone
	Full Control		Administrators
			Everyone
	CalBeachCon (2)		Delegated Admin
			

9. Click **Promote**.
- The selected job is promoted.

Note:

If you do not want to promote the job, you can use the **Save** option to save modifications such as Security, Change Management ID, and Schedule settings.

Related Topics

- [Mapping in LCM](#) on page 50
- [Scheduling a job promotion](#) on page 59
- [Security in LCM](#) on page 16

Mapping in LCM

The Mapping feature in the LCM tool enables you to modify a universe or Business Views connection that exists in the source system to a connection that exists in the destination system.

For example, a universe called Finance uses a test connection in the source system. While promoting this universe, you can swap the test connection to a live connection that exists in the destination system.

This section describes how to map the relationship between a job and its dependents that is obtained in the source system to the destination system. The LCM tool supports the following types of mapping:

- Connection mapping
- Query as a Web Service (QaaWS) mapping
- Crystal Report mapping

Mapping a connection

To map a connection, complete the following steps:

1. In the "Promote" window, click **Mappings**.
2. Click **Edit Mappings**.

The following tabs are displayed:

- Connection Mappings
- QaaWS Mappings
- Crystal Report Mappings

3. Click the **Connection Mappings** tab.

The source connections and the database types are displayed.

If you want to edit the properties of a source connection, select the source connection, and click **Edit Connection Properties**. The "Edit Connection Properties" tab appears. This tab displays the list of properties and their values. Modify the values per your requirements, and click **Apply**. The "Connection Mappings" tab appears.

Note:

If you edit the source connection, the destination field displays the following message: Edited Source Connection

4. From the **Destination Connection** drop-down list, select a destination connection for the selected source connection.
5. Click **Apply**, as shown in the following figure:

Edit Connection Properties		
Database Type	Source Connections	Destination Connections
Oracle 10	<input type="radio"/> beachora <input type="radio"/> eFashion	<input type="text"/> <input type="text"/>

Behavior: When you map a connection, the source universe connection is automatically updated to reflect the state of the destination universe connection.

In this version of LCM, the connection mapping feature is supported for Universe connection, Voyager connection, and Business View Management (BVM) connection.

Important: You can edit the existing source connection by selecting the check box that appears next to the source connection and clicking the "Edit Connection Properties".

All Business Views connection appear in the BusinessObjects Business View section.

Note:

You cannot edit a Business View connection; you can only map a connection.

You can either retain an original source connection, or map the same to an existing destination connection.

Mapping a QaaWS

The LCM tool enables you to map a `server_ID_URL` that exists in the source system to an existing `server_ID_URL` in the destination system.

To map a QaaWS, complete the following steps:

1. In the "Promote" window, click **Mappings**.
2. Click **Edit Mappings**.

The following tabs are displayed:

- Connection Mappings
- QaaWS Mappings
- Crystal Report Mappings

3. Click **QaaWS Mappings**.


The source URL and the Query as a Web Service types are displayed.

If you want to edit the properties of the source URL, select the source URL, and click **Edit QaaWS Properties**. The **Edit QaaWS Properties** tab appears. This tab displays the list of properties and their values. Modify the values per your requirements, and click **Apply**. The **QaaWS Mappings** tab appears.

Note:

If you edit the source URL, the destination field displays the following message: Edited Source URL

4. From the **destination URL** drop-down list, select a destination URL for the selected source URL.

If you want to reset the modifications made to the destination URL, click the  icon.

5. Click **Apply**.

Mapping a Crystal report

A Crystal report in the source system can be connected to a single or multiple databases. The LCM tool enables you to modify some of the properties of a Crystal report.

To modify the properties of a Crystal report, complete the following steps:

1. In the "Promote" window, click **Mappings**, and click **Edit Mappings**.

2. Click **Crystal Report Mappings**.

The list of Crystal reports in the source system is displayed.

3. Select the required Crystal report, and click **Edit Crystal Report Properties**.

The "Edit Crystal Report Properties" tab appears, as shown in the following figure:



This tab displays the list of properties and their values.

4. Modify the appropriate fields, and click **Apply**.

The Crystal Reports Mapping tab appears.

Note:

If you edit a Crystal report in the source system, the following message is displayed besides the Crystal report: edited

5. Click **Close**.

Important: Mapping must be performed by an expert user who has adequate knowledge of the artefacts in both source and destination systems.

Promoting a job by using a BIAR file

Promoting refers to the activity of transferring a BI resource from one repository to another. If the source and destination systems are connected, the LCM tool uses WAN or LAN to promote the info-object. However, LCM also facilitates the promotion of info-objects even if the source and

destinations are not connected. In scenarios where the source and destination systems are not connected, the LCM tool enables you to promote jobs to the destination system by exporting a job from the source system to a BIAR file and importing the same job from the BIAR file to the destination system.

This section describes how to export a job to a BIAR file and then import the job from the BIAR file to the destination system.

Note:

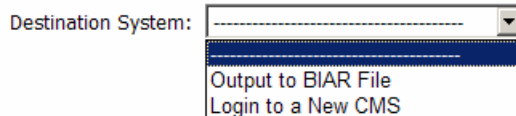
In the LCM tool, you cannot use a BIAR file that was created by using the Import Wizard tool.

Exporting a job to a BIAR file

This section describes how to export a job to a BIAR file.

To export a job to a BIAR file, complete the following steps:

1. Log into the LCM tool, and create a new job.
For more information on creating a new job, see [Creating a new job](#) on page 35
2. Log into the destination system, and select **Output to a BIAR file** option, as shown in the following figure:



3. Click **Add objects** to add objects to the job.
You can also use the **Manage Dependencies** option to manage the dependencies of the selected job.
4. Click **Promote**.
The "LifeCycle Manager Promote" dialog box appears.
5. Click **Export**.
The BIAR file is created.

6. Save the BIAR file in a data storage device.

Note:

The **Mappings** and **Schedule** fields are disabled.

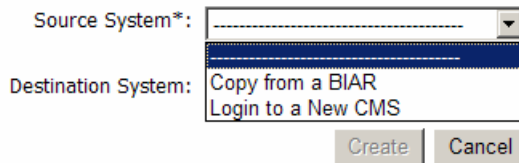
Related Topics

- [Logging into a new CMS](#) on page 38
- [Adding an info-object to a job](#) on page 40
- [Managing job dependencies](#) on page 42

Importing a job from a BIAR file

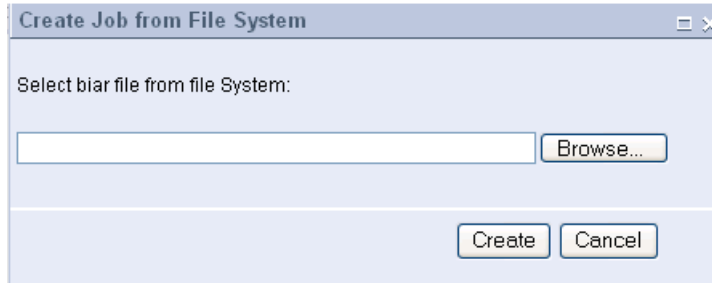
To import a job from a BIAR file, complete the following steps:

1. From the storage device, copy the BIAR file to the destination system.
2. Log into the LCM tool.
3. In the "Promotion Jobs" home page, click **New Job**.
 The "New Job" window appears.
4. Log into the source system, and select **Copy from a BIAR** from the drop-down list, as shown in the following figure:



The "Create Job From FILE SYSTEM" dialog box appears.

5. Click **Browse** to select a BIAR file from the file system.
 The "Choose File" dialog box appears.
6. Select the BIAR file from the file system, and click **Create**, as shown in the following figure:



The details of the selected file appear in the appropriate fields.

7. Save the job.
8. Log into the destination system.
9. Click **Create**.

The job is created. You can also manage the dependencies of the job in the "Managing Dependencies" window.

10. Click **Promote**.

The "Promote" window appears.

11. Confirm the destination system.
12. Click **Promote** to promote the contents to the destination system.

You can also click the **Test Promotion** summary to view the objects to be promoted and the promotion status.

Note:

The **Mappings** field is disabled.

Scheduling a job in LCM

The LCM tool enables you to specify when a job must be promoted, rather than promote it as soon as it is created. It also enables you to schedule promotion at fixed intervals. This feature is useful in promoting large jobs when the load on the server is at its minimum.

To schedule a job promotion, you must specify a time in future or select a recurrence pattern, and specify additional parameters.

The following table discusses the recurrence patterns that the LCM tool supports for scheduling a job promotion:

Recurrence pattern	Description
Now	If you select this option, the job is run as soon as you click Schedule .
Once	If you select this option, then the job is run only once. It can be run immediately, at a specified time in future, or when a specific event occurs.
Hourly	If you select this option, then the job is run every hour. You can specify the start time, as well as the start and end dates.
Daily	If you select this option, then the job is run every day. It can be run either once or several times a day. You can specify the hour when it must be run, and also the start and end dates.
Weekly	If you select this option, then the job is run every week. It can be run either once a week or several times a week. You can also specify the day and time at which the job must be run, and also the start and end dates.
Monthly	If you select this option, then the job is run once every month or several times a month. You can specify the day and time of the month when the job must be run, and also the start and end dates.

Run options

The following table discusses the parameters you can specify while scheduling a job promotion:

Note:

All parameters may not be applicable in each case. However, for cases in which all parameters are applicable, all parameters function in the same way.

Run option	Description
X and N variables	The X and Y variables are applicable for both Daily and Monthly recurrence patterns. When you select the Run option that contains these variables, the system displays their default values. However, you can modify these values per your requirements. For example, if you select the Daily recurrence pattern, and the Every N hour(s) and X minute(s) Run options, then you can schedule the report to run every 4 (X) hours and 30 (N) minutes. If you do not modify the X or N value, the system runs the report every hour.
Run Days	This option appears if you select the Weekly recurrence pattern. You can select the days of the week on which you want to run the job, by clearing the check boxes for the appropriate days.

Run option	Description
Start Time	Applies to most, but not all, recurrence patterns and Run options. The default is the current date and time. The system runs the job according to the specified schedule as soon as it can, after the Start Time has passed. For example, if you specify a start time that is three months from now, the system does not run the job until the start date has passed, even if all the other criteria are met. However, once the start time has passed, the system runs the report at the specified time.
End Time	The default is the current time and a date in the distant future, to ensure that a job will run indefinitely. Specify a different End Time, if required. Once the End Time has passed, the LCM tool does not run the job.
Number of retries allowed	The number of times the system attempts to process a job if the first attempt fails. Applicable in all cases. By default, the number is zero.
Retry interval in seconds	The period, in seconds, that the system will wait before it attempts to process the job again, if the first attempt is unsuccessful. Applicable in all cases.

Scheduling a job promotion

This section describes how to schedule a job promotion. It also describes how to specify recurrence options and parameters.

To schedule a job promotion, complete the following steps:

1. In the "Promote" window, click the **Schedule** option, as shown in the following figure:

▼ Schedule Job

Job Instance Title :

Run job :

Number of retries allowed:

Retry Interval in Seconds:

Object will run now.

2. Click **Recurrence**, and select the appropriate schedule option from the **Run Job** drop-down list.

Based on the **Run Job** option selected, the values displayed in the **Objects will run** field change automatically. For example, if you select the **Weekly** option, you must also specify the preferred days.

3. For the selected schedule, specify the parameters.

You can also specify the number of retries allowed and the time interval between successive retries in the **Number of retries allowed** and **Retry Interval in Seconds** fields, respectively.

Updating the recurring and pending job promotion instances

The LCM tool enables you to track and update the status of a scheduled job promotion instance by using the **Recurring and Pending Instances** option.

To track and update the scheduled job promotion instances, complete the following steps:

1. Log into the LCM tool.
2. In the "Promotion Job" home page, select a job.
3. Click **History**.

The "Job History" window appears.



4. Click **Recurring & Pending Instances**.

The "Job History for Recurring and Pending Instances" window appears, as shown in the following figure:

InstanceTime	Name	Source System	Destination System	Run By	Status
No items to display					

This window displays the list of recurring and pending job promotion instances.

Based on your requirements, you can use the following options:

- Click the **Pause** option to pause the scheduled job promotion.
- Click the **Resume** option to resume the paused scheduled job promotion instance.
- Click the **Reschedule** option to reschedule a job promotion instance.
- Click the  icon to delete a scheduled job promotion instance.
- Click the  icon to refresh the status of a scheduled job promotion instance.
- Click **Promoted Instances** to view the list of scheduled job promotion instances.

Note:

The status column in the "Job History for Recurring and Pending Instances" displays the status of the job promotion instance such as recurring, pending, and so on.

Viewing the history of a job

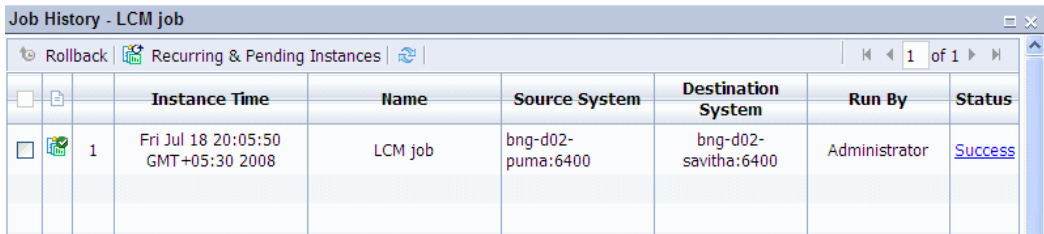
The LCM tool enables you to view and track the status of a job promotion instance. To view the history of a job, you must ensure that the status of the job is one of the following:

- Success
- Failure
- Partial Success

To view the history of a job, complete the following steps:

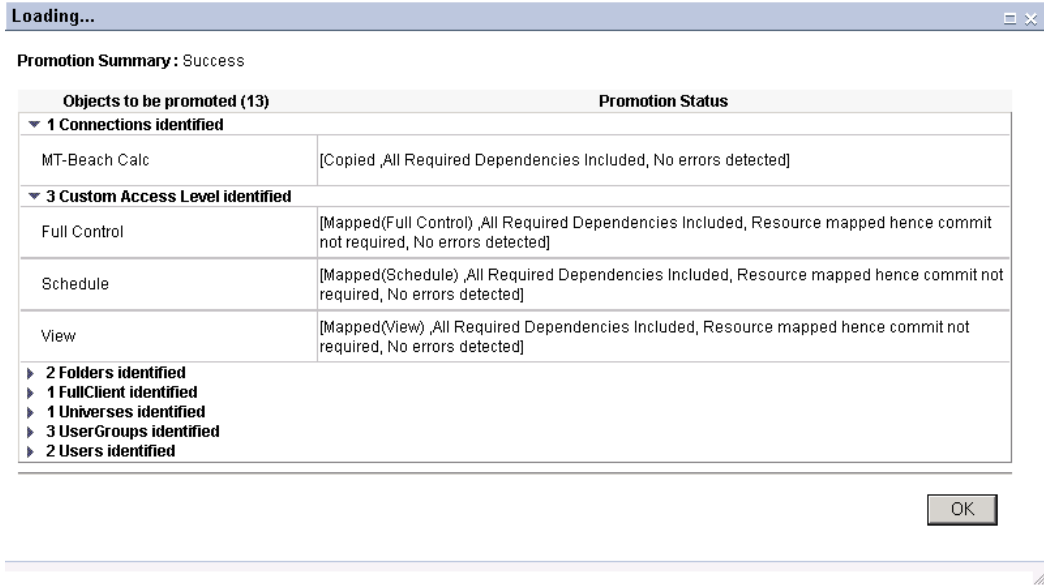
1. Log into the LCM tool.
2. In the "Promotion Job" home page, select a job.
3. Click **History**.

The job instance, name of the job, names of the source and destination systems, the ID of the user who promoted the job, and the status (Success, Failure, or Partial Success) of the job are displayed, as shown in the following figure:



		Instance Time	Name	Source System	Destination System	Run By	Status	
<input type="checkbox"/>		1	Fri Jul 18 20:05:50 GMT+05:30 2008	LCM job	bng-d02-puma:6400	bng-d02-savitha:6400	Administrator	Success

You can view the status of the job by using the link displayed in the **Status** column. The status of the job is displayed, as shown in the following figure:



Rolling back a job in LCM

The **Rollback** option enables you to restore the destination system to its previous state, after a job is promoted.

To roll back a job, complete the following steps:

1. Log into the LCM tool.
2. In the Promotion Job home page, select a job.
3. Click **History**.

Note:

To view the history of a job, you must ensure that the status of the job is one of the following:

- Success
- Failure
- Partial Success

The "Life Cycle Manager - Job History" window appears.

4. Select the job at the top of the list, and click **Rollback**.

The Rollback Selection window appears.

5. Select the **Complete the Rollback** option.

The job is rolled back.

Note:

You can roll back only the most recent instance of a job promotion. You cannot roll back two job instances at the same time.

Using the Partial Rollback option

The LCM tool enables you to roll back info-objects that are included in a job. You can roll back either some objects in a job or all the info-objects.

To roll back the info-objects included in a job, complete the following steps:

1. Log into the LCM tool.
2. In the "Promotion Job" home page, select a job.
3. Click **History**

The "Life Cycle Manager - Job History" window appears.

4. Select the job at the top of the list, and click **Rollback**.

The "Rollback Selection" page appears.

5. Select the **Partial Rollback** option.

The list of info-objects in the selected job is displayed in the "Job Viewer" page.

6. Select the info-objects that you want to roll back, and click **Rollback**.

Note:

You must ensure that you have rolled back all the info-objects in a job before you roll back the next job or info-objects in the next job.

Important: If a job is promoted with security, then, during the partial rollback of info-objects, the selected dependent info-objects may not have its security rolled back to its previous state.

Rolling back a job after the password expires

This section describes how to roll back a job after the password for the source or destination system expires.

To roll back a job after the password expires, complete the following steps:

1. Select the job that you want to roll back, and click **History**.
The "Job History" page appears.
2. Click the required job instance, and click **Rollback**.
The "Rollback Selection" page appears.
3. Select **Complete Rollback**.
An error message is displayed. This message states that the job cannot be rolled back. You are also prompted to log into the source or destination system.
4. Type the new login credentials, and click **Login**.
A dialog box appears indicating that the rollback process is complete.

The jobs that were promoted by using the source or destination system credentials are updated automatically.

Related Topics

- [Rolling back a job in LCM](#) on page 63
- [Using the Partial Rollback option](#) on page 64
- [Rolling back info-objects after the password expires](#) on page 65

Rolling back info-objects after the password expires

This section describes how to roll back info-objects after the password for the source or destination system expires.

To roll back info-objects after the password expires, complete the following steps:

1. Select the job that you want to rollback, and click **History**.
The "Job History" page appears.
2. Select the job, and click **Rollback**.

The "Rollback Selection" page appears.

3. Select the **Partial Rollback** option.

An error message is displayed. This message states that the info-objects cannot be rolled back. You are also prompted to log into the source or destination system.

4. Type the new login credentials, and click **Login**.

The "Job Viewer" page appears. This page displays the list of info-objects.

5. Select the required info-objects, and click **Rollback**.

The jobs that were promoted by using this source or destination system credentials are updated automatically.

Related Topics

- [Rolling back a job in LCM](#) on page 63
- [Using the Partial Rollback option](#) on page 64
- [Rolling back a job after the password expires](#) on page 65



Auditing in LCM



chapter

This section provides an overview of the auditing functionality in LCM. It also discusses the actions that you can perform to audit and to create a custom audit report.

How Auditing

Auditing in LCM uses the existing infrastructure of the BusinessObjects Enterprise.

For more information, see the *BusinessObjects Enterprise Administrator's Guide*.

Creating custom audit reports

This section discusses the audit database, the Activity universe, and the information recorded about audit actions. With this information, you can use Crystal Reports, Web Intelligence, or Desktop Intelligence to create custom audit reports of LCM events.

Audit database schema reference

The audit database consists of the following tables:

- Audit_Event
- Audit_Detail
- Server_Process
- Detail_Type
- Event_Type
- Application_Type

For more information about the audit tables, see the *BusinessObjects Enterprise Administrator's Guide*.

User events enabled for LCM client

The following figure shows the client-based events can be audited. Client-based events are set in **Admin options > Audit Log** of the LCM tool.

Administration Options

[Manage Systems](#)
[Rollback Settings](#)
[Job Settings](#)
Audit Log
[Subversion Settings](#)

Audit Log

Select the events to audit

Select :

<p>Job events</p> <input checked="" type="checkbox"/> Job Created <input checked="" type="checkbox"/> Job Copied from File <input checked="" type="checkbox"/> Job Copied from Existing Job <input checked="" type="checkbox"/> Job Deleted <input checked="" type="checkbox"/> Job Modified <input checked="" type="checkbox"/> Job Exported <input checked="" type="checkbox"/> Object added <input checked="" type="checkbox"/> Object Removed <input checked="" type="checkbox"/> Dependencies Selected <input checked="" type="checkbox"/> Dependencies Deselected	<input checked="" type="checkbox"/> Promotion Partially Succeeded <input checked="" type="checkbox"/> Promotion Failed <p>Rollback events</p> <input checked="" type="checkbox"/> Rollback Started <input checked="" type="checkbox"/> Rollback Succeeded <input checked="" type="checkbox"/> Rollback Failed <p>Admin events</p> <input checked="" type="checkbox"/> Administration Options Accessed <input checked="" type="checkbox"/> Auditing Event Enabled <input checked="" type="checkbox"/> Auditing Event Disabled <input checked="" type="checkbox"/> System Detail Added <input checked="" type="checkbox"/> System Detail Modified <input checked="" type="checkbox"/> System Detail Removed	<p>Conflict Management events</p> <input checked="" type="checkbox"/> Properties Modified <input checked="" type="checkbox"/> Mapping Modified <input checked="" type="checkbox"/> Mapping Removed <p>VMS events</p> <input checked="" type="checkbox"/> Addition to Source Control Succeeded <input checked="" type="checkbox"/> Addition to Source Control Failed <input checked="" type="checkbox"/> Retrieval of Deleted Resource Succeeded <input checked="" type="checkbox"/> Retrieval of Deleted Resource Failed <input checked="" type="checkbox"/> Check-in Succeeded <input checked="" type="checkbox"/> Check-in Failed <input checked="" type="checkbox"/> Latest Version Retrieval Succeeded <input checked="" type="checkbox"/> Latest Version Retrieval Failed
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Event and Detail reference tables

The following tables list the Event_Type_ID and Event_Type_Description of the events that can be audited in your system. For your convenience, these events are ordered according to the service that generates each type of event.

The following table shows the description captured for a "Job Created" event:

Event Type Description	Detail Type ID	Detail Type Description	Detail Text
Job Created	3	Object Name	Q2 Finance job
Job Created	14	Description	Job has all the Q2 Finance documents to promote.
Job Created	16	Keywords	Q2 Finance

Event Type Description	Detail Type ID	Detail Type Description	Detail Text
Job Created	42	User Groups	Everyone Administrators
Job Created	43	Object Folder Path	/LCM/Promotion Jobs/Finance/
Job Created	45	Session ID	5063
Job Created	90	Object instance	0
Job Created	91	Template Document CUID	AWXv5fo3dYpNi_D3kg0DsL0
Job Created	92	Object CUID	AWXv5fo3dYpNi_D3kg0DsL0
Job Created	7001	Job ID	5065
Job Created	7002	Hostname of Source	bng-Test:6400
Job Created	7003	Hostname of Destination	bng-PROD:6410
Job Created	7004	Source User Name	DelAdmin
Job Created	7005	Destination User Name	DelAdmin

LCM Auditing events

The following table lists the Event_Type_ID code for each event, the description, and details associated with that event, followed by the Detail_ID code in parentheses:

Event_Type_ID	Event_Type_Description	Description
61	Auditing Event Enabled	<ul style="list-style-type: none"> • Event ID (40) • Object CUID (92) • Object Folder Path (43) • Object instance (90) • Object Name (3) • Session ID (45) • Template Document CUID (91) • User Groups (42)
62	Auditing Event Disabled	<ul style="list-style-type: none"> • Event ID (40) • Object CUID (92) • Object Folder Path (43) • Object instance (90) • Object Name (3) • Session ID (45) • Template Document CUID (91) • User Groups (42)

Event_Type_ID	Event_Type_Description	Description
770001	Job Created	<ul style="list-style-type: none"> • Description (14) • Destination User Name (7005) • Hostname of Source (7002) • Hostname of Destination (7003) • Job ID (7001) • Keywords (16) • Object CUID (92) • Object Folder Path (43) • Object instance (90) • Object Name (3) • Session ID (45) • Source User Name (7004) • Template Document CUID (91) • User Groups (42)
770002	Job Copied from Existing File	<ul style="list-style-type: none"> • Description (14) • File Name (68) • Job ID (7001) • Keywords (16) • Object CUID (92) • Object Folder Path (43) • Object instance (90) • Object Name (3) • Session ID (45) • Template Document CUID (91) • User Groups (42)

Event_Type_ID	Event_Type_Description	Description
770003	Job Copied from Existing Job	<ul style="list-style-type: none"> • Description (14) • Destination User Name (7005) • Hostname of Source (7002) • Hostname of Destination (7003) • Job ID (7001) • Keywords (16) • Object CUID (92) • Object Folder Path (43) • Object instance (90) • Object Name (3) • Session ID (45) • Source User Name (7004) • Template Document CUID (91) • User Groups (42)
770004	Job Deleted	<ul style="list-style-type: none"> • Description (14) • Destination User Name (7005) • Hostname of Source (7002) • Hostname of Destination (7003) • Job ID (7001) • Keywords (16) • Object CUID (92) • Object Name (3) • Session ID (45) • Source User Name (7004) • User Groups (42)

Event_Type_ID	Event_Type_Description	Description
770005	Job Modified	<ul style="list-style-type: none"> • Description (14) • Destination User Name (7005) • Hostname of Source (7002) • Hostname of Destination (7003) • Job ID (7001) • Keywords (16) • Object CUID (92) • Object Folder Path (43) • Object instance (90) • Object Name (3) • Session ID (45) • Source User Name (7004) • Template Document CUID (91) • User Groups (42)

Event_Type_ID	Event_Type_Description	Description
770006	Job Exported	<ul style="list-style-type: none"> • Description (14) • File Name (68) • Hostname of Source (7002) • Job ID (7001) • Keywords (16) • Object CUID (92) • Object Folder Path (43) • Object instance (90) • Object Name (3) • Session ID (45) • Source User Name (7004) • Template Document CUID (91) • User Groups (42)

Event_Type_ID	Event_Type_Description	Description
770011	Promotion Started Note: Promotion Started event captures the event details of each of the resource available in the job.	<ul style="list-style-type: none"> • Comment (7011) • Description (14) • Destination User Name (7005) • Hostname of Source (7002) • Hostname of Destination (7003) • Job ID (7001) • Keywords (16) • Object CUID (92) • Object Folder Path (43) • Object instance (90) • Object Name (3) • Object type (50) • Session ID (45) • Source User Name (7004) • Template Document CUID (91) • User Groups (42)

Event_Type_ID	Event_Type_Description	Description
770012	Promotion Succeeded Note: Promotion Succeeded event captures the status of the job.	<ul style="list-style-type: none"> • Description (14) • Destination User Name (7005) • Hostname of Source (7002) • Hostname of Destination (7003) • Job ID (7001) • Keywords (16) • Object CUID (92) • Object Folder Path (43) • Object instance (90) • Object Name (3) • Session ID (45) • Source User Name (7004) • Template Document CUID (91) • User Groups (42)

Event_Type_ID	Event_Type_Description	Description
770013	Promotion Partially Succeeded Note: Promotion Succeeded event captures the status of the job.	<ul style="list-style-type: none"> • Description (14) • Destination User Name (7005) • Hostname of Source (7002) • Hostname of Destination (7003) • Job ID (7001) • Keywords (16) • Object CUID (92) • Object Folder Path (43) • Object instance (90) • Object Name (3) • Session ID (45) • Source User Name (7004) • Template Document CUID (91) • User Groups (42)

Event_Type_ID	Event_Type_Description	Description
770014	Promotion Failed Note: Promotion Succeeded event captures the status of the job.	<ul style="list-style-type: none"> • Description (14) • Destination User Name (7005) • Error Message (76) • Hostname of Source (7002) • Hostname of Destination (7003) • Job ID (7001) • Keywords (16) • Object CUID (92) • Object Folder Path (43) • Object instance (90) • Object Name (3) • Session ID (45) • Source User Name (7004) • Template Document CUID (91) • User Groups (42)
770021	Rollback Started	<ul style="list-style-type: none"> • Description (14) • Destination User Name (7005) • Hostname of Destination (7003) • Job ID (7001) • Keywords (16) • Object CUID (92) • Rollback Type (7008) • Session ID (45) • User Groups (42)

Event_Type_ID	Event_Type_Description	Description
770022	Rollback Succeeded	<ul style="list-style-type: none"> • Description (14) • Job ID (7001) • Keywords (16) • Object CUID (92) • Object Folder Path (43) • Object Name (3) • Object Type (50) • Session ID (45) • User Groups (42)
770023	Rollback Failed	<ul style="list-style-type: none"> • Job ID (7001) • Object CUID (92) • Object Name (3) • Object Type (50) • Session ID (45) • User Groups (42)
770031	Dependencies Selected	<ul style="list-style-type: none"> • Job ID (7001) • Object CUID (92) • Object Folder Path (43) • Object Name (3) • Object Type (50) • Session ID (45) • User Groups (42)

Event_Type_ID	Event_Type_Description	Description
770032	Dependencies Deselected	<ul style="list-style-type: none"> • Job ID (7001) • Object CUID (92) • Object Folder Path (43) • Object Name (3) • Object Type (50) • Session ID (45) • User Groups (42)
770041	System Detail Added	<ul style="list-style-type: none"> • Comment (7011) • Description (14) • Host Name (70) • Object CUID (92) • Object Folder Path (43) • Object instance (90) • Object Name (3) • Port (72) • Session ID (45) • Template Document CUID (91) • User Groups (42)
770042	System Detail Modified	<ul style="list-style-type: none"> • Comment (7011) • Description (14) • Host Name (70) • Object CUID (92) • Object Folder Path (43) • Object instance (90) • Object Name (3) • Port (72) • Session ID (45) • Template Document CUID (91) • User Groups (42)

Event_Type_ID	Event_Type_Description	Description
770043	System Detail Removed	<ul style="list-style-type: none"> • Comment (7011) • Description (14) • Host Name (70) • Object CUID (92) • Object Folder Path (43) • Object instance (90) • Object Name (3) • Port (72) • Session ID (45) • Template Document CUID (91) • User Groups (42)
770051	Properties Modified	<ul style="list-style-type: none"> • Job ID (7001) • Object CUID (92) • Object Folder Path (43) • Object instance (90) • Object Name (3) • Object Type (50) • Session ID (45) • Template Document CUID (91) • User Groups (42)

Event_Type_ID	Event_Type_Description	Description
770061	Mapping Modified	<ul style="list-style-type: none"> • Comment (7011) • Job ID (7001) • Object CUID (92) • Object Folder Path (43) • Object instance (90) • Object Name (3) • Object Type (50) • Session ID (45) • Template Document CUID (91) • User Groups (42)
770062	Mapping Removed	<ul style="list-style-type: none"> • Comment (7011) • Job ID (7001) • Object CUID (92) • Object Folder Path (43) • Object Name (3) • Object Type (50) • Session ID (45) • User Groups (42)

Event_Type_ID	Event_Type_Description	Description
770071	Addition to Source Control Succeeded	<ul style="list-style-type: none"> • Comment (7011) • Host Name (70) • Object CUID (92) • Object Folder Path (43) • Object instance (90) • Object Name (3) • Object Type (50) • Session ID (45) • Template Document CUID (91) • User Groups (42) • User Name (69)
770072	Addition to Source Control Failed	<ul style="list-style-type: none"> • Error Message (76) • Host Name (70) • Object CUID (92) • Object Folder Path (43) • Object instance (90) • Object Name (3) • Object Type (50) • Session ID (45) • Template Document CUID (91) • User Groups (42) • User Name (69)

Event_Type_ID	Event_Type_Description	Description
770081	Retrieval of Deleted Resource Succeeded	<ul style="list-style-type: none"> • Host Name (70) • Object CUID (92) • Object Folder Path (43) • Object instance (90) • Object Name (3) • Object Type (50) • Session ID (45) • Template Document CUID (91) • User Groups (42) • User Name (69)
770082	Retrieval of Deleted Resource Failed	<ul style="list-style-type: none"> • Error Message (76) • Object CUID (92) • Session ID (45) • User Groups (42)
770091	Check in Succeeded	<ul style="list-style-type: none"> • Comment (7011) • Host Name (70) • Object CUID (92) • Object Folder Path (43) • Object instance (90) • Object Name (3) • Object Type (50) • Session ID (45) • Template Document CUID (91) • User Groups (42) • User Name (69)

Event_Type_ID	Event_Type_Description	Description
770092	Check in Failed	<ul style="list-style-type: none"> • Error Message (76) • Host Name (70) • Object CUID (92) • Object Folder Path (43) • Object instance (90) • Object Name (3) • Object Type (50) • Session ID (45) • Template Document CUID (91) • User Groups (42) • User Name (69)
770101	Latest Version Retrieval Succeeded	<ul style="list-style-type: none"> • Comment (7011) • Host Name (70) • Object CUID (92) • Object Folder Path (43) • Object instance (90) • Object Name (3) • Object Type (50) • Session ID (45) • Template Document CUID (91) • User Groups (42) • User Name (69)

Event_Type_ID	Event_Type_Description	Description
770102	Latest Version Retrieval Failed	<ul style="list-style-type: none"> • Error Message (76) • Host Name (70) • Object CUID (92) • Object Folder Path (43) • Object instance (90) • Object Name (3) • Object Type (50) • Session ID (45) • Template Document CUID (91) • User Groups (42) • User Name (69)
770111	Object Added	<ul style="list-style-type: none"> • Job ID (7001) • Object CUID (92) • Object Folder Path (43) • Object instance (90) • Object Name (3) • Object Type (50) • Session ID (45) • Template Document CUID (91) • User Groups (42)
770112	Object Removed	<ul style="list-style-type: none"> • Job ID (7001) • Object CUID (92) • Object Folder Path (43) • Object instance (90) • Object Name (3) • Object Type (50) • Session ID (45) • Template Document CUID (91) • User Groups (42)

Event_Type_ID	Event_Type_Description	Description
770121	Administration Options Accessed	<ul style="list-style-type: none"> • Comment (7011) • Directory (67) • File Name (68) • Host Name (70) • Number of Days (7007) • Number of Instances (7006) • Object CUID (92) • Object Folder Path (43) • Object instance (90) • Object Name (3) • Port (72) • Rollback Settings (7010) • Session ID (45) • Template Document CUID (91) • User Groups (42) • User Name (69)

LCM detail codes reference table

The following table discusses the static list of the standard details that are recorded for the LCM tool.

Detail_ID	Detail_Type_Description
7001	Job ID
7002	Hostname of Source
7003	Hostname of Destination
7004	Source User Name

Detail_ID	Detail_Type_Description
7005	Destination User Name
7006	Number of Instances
7007	Number of Days
7008	Rollback Type
7009	Options
7010	Rollback Settings
7011	Comment

LCM Application_Type table references

The following table lists the application type that is recorded for the LCM tool.

Application_Type_ID	Application_Type_Description
44	LifeCycle Manager

LCM Job Server Auditing events

For scheduled jobs, the auditing message provides information about the status of the scheduled actions. For example, the auditing messages indicate whether the scheduled job was successfully executed.

The following table lists the Event_Type_IDs, their description, and their details:

Event_Type_ID	Event_Type_Description	Event_Details
327681	Scheduling Succeeded	<ul style="list-style-type: none"> • Object Name (3) • Parent Document CUID (91) • User Groups (42) • Object Folder Path (43) • Session ID (45) • Object instance (90) • Universe name (2)
327682	Scheduling Failed	<ul style="list-style-type: none"> • Object Name (3) • Parent Document CUID (91) • User Groups (42) • Object Folder Path (43) • Session ID (45) • Object instance (90) • Universe name (2)
327683	Scheduling failed, but will be reattempted.	<ul style="list-style-type: none"> • Object Name (3) • Parent Document CUID (91) • User Groups (42) • Object Folder Path (43) • Session ID (45) • Object instance (90) • Template Document (91) • Universe name (2)



Managing different versions
of an info-object

7

chapter

The LCM tool enables you to manage versions of BI resources that exist in the BusinessObjects Enterprise repository. The LCM tool uses Subversion, an open source version control system, to version control the resources. This section describes how to use the Version Management feature in the LCM tool.

To create and manage different versions of an info-object, complete the following steps:

1. Log into the LCM tool.
2. In the LCM home page, select **Version Management** from the drop-down list.


The "Login to System" dialog box appears.

3. Type the login credentials, and click **Login**.

The "Version Management" window appears.

Note:

You can log into the version management system (VMS) only if it is already configured. For information on configuring the version management system, see the *BusinessObjects LifeCycle Manager Installation Guide*.

4. If you want to change the host system, click .

The "Login to System" dialog box appears. Type the user credentials, and click **Login**.

5. From the left panel of the "Version Management" window, select the resource to be versioned.

6. Click **Add to Version Management**.

Note:

Clicking "Add to Version Management" results in the creation of a base version of the object in the VMS repository. A base version is required for subsequent check-in.


7. Click **Checkin** to update the document that exists in the VMS repository.

The "Check-in Comments" dialog box appears.

8. Type your comments, and click **OK**.

The change in the version number of the selected info-object is displayed in the VMS and Content Management System columns.

9. To obtain the latest version of the document from the VMS, select the required info-object and click **Get latest Version**.

10. To create a copy of the latest version, click **Create Copy**.
A copy of the selected version is created.
11. Select the **History** option to view all the versions available for the selected resource.
The "History" window appears. The following options are displayed:
 - **Get Version** - If there are multiple versions, and if you require a particular version of the BI resource, then you can select the required resource and click **Get Version**.
 - **Get Copy of Version** - This option enables you to obtain a copy of the selected version.
12. To view the list of all checked in resources that exist in the VMS, but not in the CMS, click **View Deleted resources**.
Click any deleted resource to view the history of that resource. You can select any of the deleted resource, and click **Get Version** to view that particular version of the resource. You can click **Get Copy of Version** to get a copy of the selected resource.
Note:
If you use either **Get Version** or **Get Copy of Version** option, the resource is moved to CMS from the VMS missing file list.
13. Select a resource and click  to view the properties of the resource.

How Auditing

Auditing in LCM uses the existing infrastructure of the BusinessObjects Enterprise.

For more information, see the *BusinessObjects Enterprise Administrator's Guide*.

7 | Managing different versions of an info-object *How Auditing*



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