

Oracle® Fusion Middleware

User's Guide for Oracle Business Intelligence Discoverer EUL
Java Command Line

11g Release 1 (11.1.1)

B40108-01

May 2009

This document describes how to create and change Discoverer end user layers, by using the Discoverer EUL command line for Java.

Oracle Fusion Middleware User's Guide for Oracle Business Intelligence Discoverer EUL Java Command Line, 11g Release 1 (11.1.1)

B40108-01

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Preface

This document provides a reference for the Discoverer EUL Command Line for Java. For the latest information, see the *Oracle Fusion Middleware Release Notes*.

Intended Audience

This guide is intended for Discoverer administrators, Oracle Applications administrators, and anyone who manages Discoverer EULs. Readers are assumed to have a working knowledge of Discoverer End User Layers (EULs).

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Oracle BI Discoverer Keyboard Navigation

Oracle BI Discoverer supports standard keyboard navigation. Standard keyboard navigation includes the use of the tab key, mnemonics (using the Alt key and the underlined character), and accelerators (such as Alt+F4 to exit a window).

Related Documents

You can access the documents referenced in this guide, and other information about Oracle Business Intelligence (for example, whitepapers, best practices, documentation updates, other collateral) on Oracle Technology Network at:

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Conventions

Conventions used in this manual are shown in the table below:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.
< >	Angle brackets enclose user-supplied names or values.
[]	Square brackets enclose optional clauses from which you can choose one or none.
Menu name Command	Text in this format conveys a sequence of menu choices (for example, choose the menu, then the command under that menu).

For more information about command conventions, see "[What command syntax conventions does this guide use?](#)".

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Introducing the Discoverer EUL Command Line for Java

This chapter introduces the Oracle BI Discoverer EUL Command Line for Java, and contains the following topics:

- "What is the Oracle BI Discoverer EUL Command Line for Java?"
- "What are the differences between the Discoverer Administrator Command Line Interface and the Discoverer EUL Command Line for Java?"
- "What is a Discoverer EUL Command Line for Java command?"
- "What is a Discoverer EUL Command Line for Java command modifier?"
- "What privileges do you require to use the Discoverer EUL Command Line for Java?"
- "How to run a Discoverer EUL Command Line for Java command"
- "About troubleshooting the Discoverer EUL Command Line for Java"
- "About using wildcards to identify EUL objects"
- "Examples of commands"
- "What is a command file?"
- "Examples of command files"
- "List of Discoverer EUL Command Line for Java commands"

What is the Oracle BI Discoverer EUL Command Line for Java?

The Oracle BI Discoverer EUL Command Line for Java is a set of text based commands that enable you to create and manipulate Discoverer EULs.

Note: You use Heterogeneous Services to connect to non-Oracle databases, although the EUL is stored in the Oracle database. For more information about using non-Oracle databases, see *Oracle Database Heterogeneous Connectivity Administrator's Guide*.

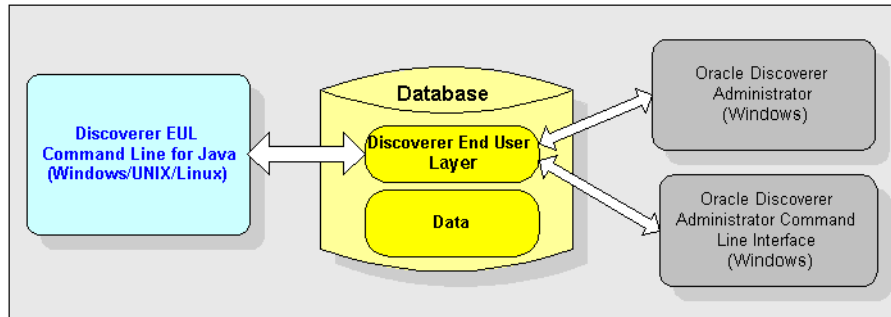
The Discoverer EUL Command Line for Java runs in a Java environment, which means that you can run it from any Java-compatible platform (Windows, UNIX, Linux). For example, you might want to refresh (or patch) an EUL from a UNIX system.

The figure below shows three different ways in which you can manipulate Discoverer EULs:

- Using the Discoverer EUL Command Line for Java on either a Windows, UNIX, or Linux system, as described in this guide
- Using Oracle BI Discoverer Administrator on a Windows system
- Using the Oracle BI Discoverer Administrator Command Line Interface on a Windows system

Note: To run the Oracle BI Discoverer Administrator Command Line Interface, you must have Oracle BI Discoverer Administrator installed on your system.

Figure 1–1 Discoverer interfaces to the Discoverer EUL



Notes:

- Discoverer EUL files have an EEX extension (for example, Sales_eul.eex)
- For a list of Discoverer EUL Command Line for Java commands, see "[List of Discoverer EUL Command Line for Java commands](#)".

What are the differences between the Discoverer Administrator Command Line Interface and the Discoverer EUL Command Line for Java?

Much of the Discoverer EUL Command Line for Java is compatible with the Oracle BI Discoverer Administrator Command Line Interface. If you have commands and scripts written for the Oracle BI Discoverer Administrator Command Line Interface, you can easily convert them to run on the Discoverer EUL Command Line for Java.

The Oracle BI Discoverer Administrator Command Line Interface and the Discoverer EUL Command Line for Java differ as follows:

- The Discoverer EUL Command Line for Java runs on multiple platforms. The Oracle BI Discoverer Administrator Command Line Interface runs only on Windows.

Note: Oracle BI Discoverer Administrator need not be installed to run the Discoverer EUL Command Line for Java.

- Discoverer EUL Command Line for Java commands are prefixed with `java -jar eulbuilder.jar`.
- The Discoverer EUL Command Line for Java contains extra commands (for example, to grant and revoke database privileges, you can use the commands `-grant_privilege` and `-revoke_privilege` commands).
- Some commands have minor differences in syntax (for more information, see "[Differences in syntax between Discoverer command line interfaces](#)").

What is a Discoverer EUL Command Line for Java command?

A Discoverer EUL Command Line for Java command is an instruction that manipulates a Discoverer EUL in some way. For example:

- the `-connect` command connects to a database using the `username`, `password`, and `database` specified. For example, to connect to database `my_database` as user `jchan`:

```
java -jar eulbuilder.jar -connect jchan/12345@my_database
```

- The `-import` command imports EUL objects into the current EUL from a specified Discoverer EUL export file (that is, a file with an `EEX` extension). For example, to import EUL objects from the file `c:\data\sales.eex`:

```
java -jar eulbuilder.jar -connect jchan/12345@my_database
-import c:\data\sales.eex
```

What is a Discoverer EUL Command Line for Java command modifier?

A Discoverer EUL Command Line for Java command modifier is an instruction that qualifies or refines a command. For example:

- The `-log` command modifier creates a log file to store processing information during the execution of a command. For example, to import EUL objects from the file `c:\data\sales.eex` and store log data in `sales_import_logfile.txt`:

```
java -jar eulbuilder.jar -connect jchan/12345@my_database
-import c:\data\sales.eex -log sales_import_logfile.txt
```

- The `-item` command modifier used with the `-delete` command specifies which EUL item to remove from an EUL. For example, to delete the item `sales.profit`:

```
java -jar eulbuilder.jar -connect jchan/12345@my_database -delete
-item sales.profit
```

What privileges do you require to use the Discoverer EUL Command Line for Java?

To use the Discoverer EUL Command Line for Java, the database username that you use to connect to a database must have the following database privileges:

- CREATE SESSION
- CREATE TABLE
- CREATE VIEW
- CREATE SEQUENCE
- CREATE PROCEDURE

The database username also requires a default tablespace, and a quota set on the default tablespace. For more information about granting privileges, see *Oracle Fusion Middleware Administrator's Guide for Oracle Business Intelligence Discoverer*.

How to run a Discoverer EUL Command Line for Java command

You can run the Discoverer EUL Command Line for Java in two ways:

- by entering commands directly at a command prompt (for more information, see ["How to type commands directly at a command prompt"](#))

- by running commands stored in command files (for more information, see ["How to run commands stored in a command file"](#))

Notes

- The eulapi script is located in <ORACLE_HOME>/bin.
- Make sure that the <ORACLE_HOME>/lib directory is registered in the CLASS PATH.
- Oracle BI Discoverer Administrator Command Line Interface commands are not compatible with Discoverer EUL Command Line for Java commands without amendment (for more information, see ["What are the differences between the Discoverer Administrator Command Line Interface and the Discoverer EUL Command Line for Java?"](#)).
- To see a list of EUL objects in an EUL, export all EUL objects so that you can inspect it. For example:

```
java -jar eulbuilder.jar -connect jchan/12345@my_database  
-export objectlist.xml -all % -wildcard
```

How to type commands directly at a command prompt

You might type commands directly at a command prompt when you want to patch an EUL from a UNIX system.

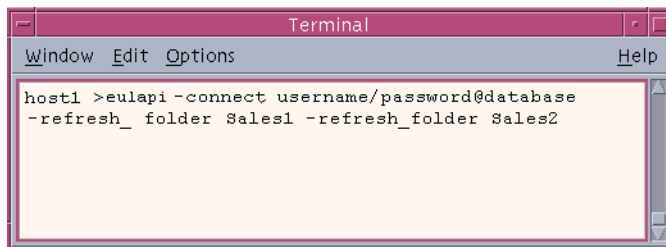
To type a command directly at a command prompt:

1. Open a command prompt (for example, a UNIX command prompt).
2. Type a command directly at the command prompt.

For example, to refresh folders called Sales1 and Sales2, type the following (see [Figure 1-2](#)):

```
java -jar eulbuilder.jar -connect jchan/12345@my_database  
-refresh_folder Sales1 -refresh_folder Sales2
```

Figure 1-2 Using the Discoverer EUL Command Line for Java from a UNIX command prompt



How to run commands stored in a command file

You might run commands stored in a command file when you want to perform a regular EUL update.

To run commands stored in a command file:

1. Create a text file and type the commands into the text file (for example, import.txt).
2. Open a command prompt (for example, a UNIX command prompt).

3. Type the `-cmdfile` command at the command prompt followed by the name of a command file.

For example, to run commands stored in `import.txt`, type the following:

```
java -jar eulbuilder.jar -connect jchan/12345@my_database -cmdfile import.txt
```

For more information about command files, see "[What is a command file?](#)".

Notes

- You can also run multiple command files by repeating the `-cmdfile` command. For example, to run commands stored in the text file `login.txt`, then commands in `import.txt`, type:

```
java -jar eulbuilder.jar -cmdfile c:\scripts\login.txt
-cmdfile c:\scripts\import.txt
```

About troubleshooting the Discoverer EUL Command Line for Java

The Discoverer EUL Command Line for Java provides a log facility. Use the log facility to test commands without changing data (that is, for impact analysis) and troubleshoot problems as follows:

- Testing commands without changing data.

To test commands without changing data, use the `-log <log file name> -log_only` modifiers. For example:

```
-log <log file name> -log_only
```

These modifiers produce a log file showing whether problems occurred during command execution without changing the data. For more information, see "[-log_only](#)".

- Troubleshooting problems.

To troubleshoot problems, use the `-log <log file name>` modifier to store command processing information.

For example, after running a command you see a 'Command completed' message, which means that Discoverer processing is complete. To verify that the operation was carried out successfully, check the log file created using the `-log` modifier.

For example, if you attempt to delete a folder called 'Store 4' that is used in a summary folder, you see the 'Command completed' message on screen. However, you can find details in the log file specifying why the command could not be executed, similar to the following:

```
java EulCommandLine -connect jchan/12345@my_database -delete -folder Store 4
-log
Started <date and time>...
Deleting folder Store 4...
Element Store 4 cannot be deleted because it is used in a summary
Completed <date and time>.
```

About using wildcards to identify EUL objects

When you use the Discoverer EUL Command Line for Java, you can use wildcards to specify groups of EUL objects to manipulate. Wildcards are special characters that you use to substitute other characters. For example, you might want to import OLAP functions with names that begin with 'BI_'.

There are two wildcards that you can use:

- a percent sign (%) matches zero (that is, none) or more characters
- an underscore (_) matches exactly one character

You can use wildcards when you:

- delete EUL objects
- export EUL objects
- import EUL objects
- refresh folders, business areas, and summary folders
- grant and revoke privileges for workbooks and business areas

You can use wildcards with item names or identifiers. When you use wildcards, you append the command with the `-wildcard` modifier (for more information, see "[-wildcard](#)").

How to identify EUL objects using the percent wildcard:

Use the percent sign (%) followed by the `-wildcard` modifier.

For example, to delete all business areas with display names that begin with 'A':

```
java -jar eulbuilder.jar -connect jchan/12345@my_database -delete -business_area A% -wildcard
```

How to identify EUL objects using the underscore wildcard:

Use the underscore (_) followed by the `-wildcard` modifier.

For example, to delete all business areas with an identifier 'A', followed by any character, followed by 'C':

```
java -jar eulbuilder.jar -connect jchan/12345@my_database -delete -business_area A_C -identifier -wildcard
```

Notes

- You can combine percent wildcard characters with underscore wildcard characters.
- If you omit the `-wildcard` modifier, the percent sign (%) or underscore (_) characters are interpreted as literal characters. In other words, the command `'-delete -business_area A%'` attempts to delete a business area called 'A%'.

Examples of commands

Example 1

To delete the Sales folder and Sum1 summary from the Sales EUL, use the following command:

```
java -jar eulbuilder.jar -connect jchan/12345@my_database -delete -folder Sales -summary Sum1 -eul Sales
```

Example 2

To refresh the Sales1 and Sales2 folders, use the following command:

```
java -jar eulbuilder.jar -connect jchan/12345@my_database -refresh_folder Sales1 -refresh_folder Sales2
```


Example 3

To create an Applications Mode EUL in the database under user jchan and grant access using the Applications username and password *apps/apps*, use the following command:

```
java -jar eulbuilder.jar -connect eul_owner:appsresp/appspwd -create_eul
-apps_mode -apps_grant_details apps/apps -user jchan -password 123456
```

For more examples, see "[Discoverer EUL Command Line for Java Reference](#)".

What is a command file?

Command files are text files that contain one or more Discoverer EUL Command Line for Java commands. You use command files to run commands automatically without having to type them manually at a command prompt. If you are familiar with MS-DOS or UNIX, command files work in a similar way to MS-DOS batch files and UNIX script files.

Notes:

- The commands in a command file are treated as though they were entered directly at the command prompt.
- Carriage returns embedded in a command file are ignored.
- A command file can in turn invoke other command files.

Examples of command files

Three example command files are described below:

1. connect.txt contains '-connect jchan/12345@my_database'
2. create.txt contains '-create_eul -log create.log'
3. delete.txt contains '-delete_eul -log delete.log'

You can use these command files in different combinations as shown in the following examples:

Example 1

To connect to a database:

```
java -jar eulbuilder.jar -cmdfile connect.txt
```

Example 2

To connect to a database, create an EUL, and store processing information in a log file:

```
java -jar eulbuilder.jar -cmdfile connect.txt -cmdfile create.txt
```

Example 3

To connect to a database, delete an EUL, and store processing information in a log file:

```
java -jar eulbuilder.jar -cmdfile connect.txt -cmdfile delete.txt
```

List of Discoverer EUL Command Line for Java commands

The table below lists the Discoverer EUL Command Line for Java commands

Command:	Use to:
<code>-asm <modifiers></code>	Automate summary management ASM
<code>-cmdfile <command file></code>	Run commands stored in a command file
<code>-connect <username> / <password> [@<database>]</code>	Connect to an EUL
<code>-create_eul <modifiers></code>	Create an EUL
<code>-delete <modifiers></code>	Delete an EUL object
<code>-delete_eul <modifiers></code>	Delete an EUL
<code>-export <export file> <modifiers></code>	Export EUL object
<code>-grant_privilege <modifiers></code>	Grant Discoverer privileges to a database user
<code>-help [command name(s)] [-all]</code>	Display online help
<code>-import <import file(s)> <modifiers></code>	Import EUL objects
<code>-load <business area> <modifiers></code>	Load a business area
<code>-refresh_business_area <business area(s)> <modifiers></code>	Refresh a business area
<code>-refresh_folder <folder name(s)> <modifiers></code>	Refresh a folder
<code>-refresh_summary <summary name(s)> <modifiers></code>	Refresh a summary folder
<code>-revoke_privilege <modifiers></code>	Remove Discoverer privileges from a database user

Note: Detailed information about command modifiers is contained in the command reference section (for more information, see "[Discoverer EUL Command Line for Java Reference](#)").

Discoverer EUL Command Line for Java Reference

This chapter provides detailed reference information for the Discoverer EUL Command Line for Java, and contains the following topics:

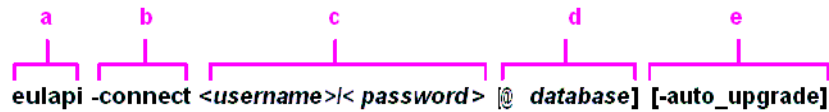
- "What command syntax conventions does this guide use?"
- "What is the syntax for commands?"
- "Rules for using the Discoverer EUL Command Line for Java"
- "Setting Oracle BI Discoverer Registry Variables for Use by Oracle BI Discoverer EUL Command Line for Java Commands"
- "Discoverer EUL Command Line for Java command reference"
- "Discoverer EUL Command Line for Java command modifier reference"

What command syntax conventions does this guide use?

This guide uses the following command syntax conventions:

- Commands and command modifiers are shown in plain type and are prefixed with a dash (-).
Do type the dash.
- Mandatory command arguments and command modifiers are enclosed in angle brackets < >.
Do not type the angle brackets.
- Optional command arguments and command modifiers are enclosed in square brackets [].
Do not type the square brackets.
- Variable command arguments (that is, where you supply the value) are shown in italics.
- Where options are separated by a pipe character (|), choose one from the list. For example, 'source <server | gateway>' means type either 'source server' or 'source gateway'.
Do not type the pipe character.

Figure 2–1 Command conventions used in this guide



Key to figure:

1. Discoverer EUL Command Line for Java executable file.
2. Command.
3. Variable command arguments (mandatory), where you supply the user name and password separated by a slash (/) character.
4. Optional command argument, where you supply the database name.
5. Optional command modifier.

What is the syntax for commands?

Use the following syntax for Discoverer EUL Command Line for Java commands:

```
java -jar eulbuilder.jar -connect <username>/<password>[@database]
<-command> [-argument(s)] [-modifiers] [-argument(s)]
```

Notes:

- Commands and modifiers are not case-sensitive. In other words, you can use either upper-case or lower-case characters interchangeably.
- Variable command arguments can be case-sensitive. For example, EUL names and tablespace names. In other words, an EUL called VIDEO5 must be specified as 'VIDEO5', not 'Video5' or 'video5'.
- Commands can appear in any order if their arguments immediately follow them in the correct order.
- Command modifiers can appear in any order if their arguments immediately follow them in the correct order.
- You must type commands in a single line with no line breaks or carriage returns.
- When you want to perform an operation on multiple EUL objects, repeat the optional command modifier for each EUL object.

For example, to refresh the Sales1 and Sales2 folders, you repeat the `-refresh_folder` command, as follows:

```
java -jar eulbuilder.jar -connect jchan/12345@my_database
-refresh_folder Sales1 -refresh_folder Sales2
```

- When specifying an item name or identifier that contain spaces or special characters, enclose it in double quotes (""). For example, if a folder is called Video Analysis Information, specify the folder name as "Video Analysis Information".
- If you include connection details in a command file (for example, `-connect username/password@database`), you need not include the `-connect` command after the `java -jar eulbuilder.jar` section. In other words, if you store connection details in `connect.txt`, you might use the following command to connect to a database:

```
java -jar eulbuilder.jar -cmdfile connect.txt
```

Rules for using the Discoverer EUL Command Line for Java

When using the Discoverer EUL Command Line for Java, the following rules apply:

- If you omit the optional `<database>` argument when you specify connection information, you connect to the Oracle database installed on your system. Use the optional `<database>` argument if you have multiple databases installed on your system, or if you are connecting to a database on a different system.
- If you do not specify an object name where one is required, Discoverer uses the default object for that database username. For example, if you do not specify an EUL using the `-eul` modifier, Discoverer uses the default EUL for the current database username. For more information about specifying an EUL, see "[-eul](#)".
- You can use nearly all commands with both Oracle or non-Oracle databases. There is one exception, the `-refresh_summary` command. You can only use the `-refresh_summary` command with Oracle databases (for more information, see "[-refresh_summary](#)").
- When specifying Discoverer EUL objects, you can use either item names (for example, folder names) or identifiers (unique IDs assigned to EUL objects). For example, if a Discoverer folder is called Sales, and its identifier is SALES_132388, you can specify this folder as an argument to the `-refresh_folder` command in either of the following ways:
 - `-refresh_folder Sales`
 - `-refresh_folder SALES_132388 -identifier`

Hint: Where possible, use identifiers rather than item names to specify EUL objects. Using identifiers avoids translation issues and EUL update problems caused by names being changed arbitrarily (for more information, see [-identifier](#)).

For more information about Discoverer identifiers, see *Oracle Fusion Middleware Administrator's Guide for Oracle Business Intelligence Discoverer*.

- To access a remote database, you must have the Transparent Network Substrate (TNS) settings for that database stored in the `tnsnames.ora` file.

For more information about TNS settings, see *Oracle Enterprise Manager Administrator's Guide*.

Setting Oracle BI Discoverer Registry Variables for Use by Oracle BI Discoverer EUL Command Line for Java Commands

When using some of the commands provided by the Oracle BI Discoverer EUL Command Line for Java, you might want to explicitly set certain Discoverer registry variables, as shown below:

Command	Discoverer Registry Variable
<code>-export</code>	<ul style="list-style-type: none"> ■ <code>ArchiveCacheFlushInterval</code> ■ <code>FormatXMLExportJoinFromMaster</code>
<code>refresh_object</code>	<ul style="list-style-type: none"> ■ <code>DefaultPreserveDisplayPropertyForRefresh</code> ■ <code>EnableTriggers</code>
<code>-import</code>	<ul style="list-style-type: none"> ■ <code>FormatXML</code>

Command	Discoverer Registry Variable
-connect -apps_user	<ul style="list-style-type: none"> ■ AppsFNDNAM ■ AppsGWYUID
-load	<ul style="list-style-type: none"> ■ SetNULLItemHeadingOnBulkLoad ■ MaxNumberJoinPredicates
all commands	<ul style="list-style-type: none"> ■ SqlTrace

On Windows platforms, Discoverer registry variables are stored in the Windows Registry. On Linux, Solaris, and HP-UX platforms, Discoverer registry variables are stored in the `.reg_key.dc` file.

To set these Discoverer registry variables, do the following:

- Specify values for registry variables as required by entering the following at a command prompt:

```
dis51pr -setadminpref registry_variable_name value
```

For example, before using the `-import -refresh` option, you might want to set the `DefaultPreserveDisplayPropertyForRefresh` value to 1 by entering the following command:

```
dis51pr -setadminpref
DefaultPreserveDisplayPropertyForRefresh=1
```

For more information about Discoverer registry variables (including descriptions, default values and allowable values), see *Oracle Fusion Middleware Administrator's Guide for Oracle Business Intelligence Discoverer*.

Discoverer EUL Command Line for Java command reference

This section contains detailed reference information about each command in the Discoverer EUL Command Line for Java. Note the following:

- commands are listed in alphabetical order
- you can refine commands using command modifiers (for more information, see "[Discoverer EUL Command Line for Java command modifier reference](#)")

-asm

Use this command to manage Discoverer's Automated Summary Management facility (ASM).

Information	Details
Syntax	<pre>-asm -asm_space <bytes> [modifiers] -asm_space <bytes> -asm_tablespace <tablespace name> [modifiers]</pre>
Modifiers	<pre>-asm_space, -asm_tablespace -log <log file name> [-log_only]</pre>
Notes	If <code>-asm_space</code> , <code>-asm_tablespace</code> modifiers are not specified, the ASM policy tablespace and space are used.
Examples	<pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -asm -asm_space 2182 -asm_tablespace user_data</pre>

Note: For more information about Automated Summary Management in Discoverer, see *Oracle Fusion Middleware Administrator's Guide for Oracle Business Intelligence Discoverer*.

-cmdfile

Use this command to automatically run Discoverer EUL Command Line for Java commands stored in a text file.

Information	Details
Syntax	<code>-cmdfile <command file> [modifiers]</code>
Modifiers	<code>-character_set_encoding <character set></code>
Notes	<p>To create a command file, create a text file containing one or more Discoverer EUL Command Line for Java commands using a standard text editor. To run the command(s) in the text file, type the following at the command prompt:</p> <pre>java -jar eulbuilder.jar -cmdfile <command file></pre> <p>If you omit a directory path when you specify <code><command file></code>, the default Discoverer EUL Command Line for Java directory is used.</p> <p>For more information, see "What is a command file?".</p>
Examples	<p>Example 1: To run command(s) stored in the text file refresh.txt, type the following at the command prompt:</p> <pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -cmdfile c:\scripts\refresh.txt</pre>

-connect

This command enables you to specify a database username and password, and to connect to an EUL.

Information	Details
Syntax	<code>-connect <username>/<password>[@database] [modifiers]</code>
Modifiers	<p><code>-apps_fndnam <foundation name></code> <code>-apps_fndnam_password <foundation name password></code> <code>-apps_gwyuid <gateway user ID></code> <code>-apps_responsibility <responsibility></code> <code>-apps_security_group <security group></code> <code>-apps_user</code> <code>-auto_upgrade</code> <code>-eul <EUL></code> <code>-log <log file name> [-log_only]</code></p>

Information	Details
Notes	<p>The database that you specify using <code><database></code> must either:</p> <ul style="list-style-type: none"> be included in the <code>tnsnames.ora</code> file on the system include the full database details (for example, address, protocol, port, SID) in the <code><database></code> string <p>For example (DESCRIPTION = (ADDRESS_LIST = (ADDRESS = (PROTOCOL = TCP)(HOST = hostname.organization.com)(PORT = 1523))) (CONNECT_DATA = (SID = VIS)))</p> <p>If no database is specified, Discoverer uses the default database for the specified username.</p>
Examples	<p>Example 1: A typical Oracle Applications connection, specifying an Oracle Applications username and password:</p> <pre>java -jar eulbuilder.jar -connect sysapps/sysapps@apps_db -apps_user apps -apps_responsibility "sysresp1 UK" -eul AppsEUL</pre> <p>Example 2: A new Oracle Applications connection specifying a Oracle Applications username and FNDNAM password:</p> <pre>java -jar eulbuilder.jar -connect sysapps/sysapps@apps_db -apps_user -apps_responsibility sysresp1 -fndnam_password APPS -eul AppsEUL</pre> <p>Example 3: A non-Oracle Applications connection:</p> <pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -eul eultest</pre>

-create_eul

Use this command to create a Discoverer EUL.

Note: To create an Oracle Applications Mode EUL, use the `-apps_mode` modifier.

Information	Details
Syntax	<code>-create_eul [modifiers]</code>
Modifiers	<p><code>-apps_grant_details <fnd user/password></code></p> <p><code>-apps_mode [-apps_grant_details]</code></p> <p><code>-default_tablespace <default tablespace name></code></p> <p><code>-eul_language <EUL language></code></p> <p><code>-log <log file name> [-log_only]</code></p> <p><code>-overwrite</code></p> <p><code>-password <password></code></p> <p><code>-private</code></p> <p><code>-temporary_tablespace <tablespace name></code></p> <p><code>-user <username></code></p>
Notes	<p>Use the <code>-user</code> command modifier to specify the username that owns the new EUL. If you do not specify a username, the currently connected username becomes the owner of the new EUL.</p> <p>Use the <code>-overwrite</code> command modifier to overwrite any existing EUL owned by the intended owner of the new EUL.</p> <p>Use the <code>-private</code> command modifier to specify that the new EUL is private. The default setting for the new EUL is 'public'.</p>

Information	Details
Examples	<p>Example 1: To create a private EUL for a user named 'Bob', whose password is 'welcome', overwriting any existing EUL and recording all log entries in a file named create.log, enter:</p> <pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -create_eul -overwrite -user bob -password welcome -private -log create.log</pre> <p>Example 2: To create an Oracle Applications Mode EUL, enter:</p> <pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -create_eul -apps_mode -apps_grant_details apps/apps</pre> <p>Example 3: To create an EUL and specify tablespace details to store EUL tables:</p> <pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -create_eul -user bob -password 3728372 -default_tablespace usr -temporary_tablespace temp</pre>

-delete

Use this command to remove EUL objects from an EUL.

Note: To remove an entire EUL, use the [-delete_eul](#) command.

Information	Details
Syntax	-delete <modifiers>
Modifiers	<ul style="list-style-type: none"> -asm_policy <ASM policy> -business_area <business area> -business_area_and_contents <business area> -ba_link <business area>.<folder> -condition <folder>.<condition> -folder <folder> -function <PL/SQL function> -hierarchy < hierarchy> -hier_node <hierarchy>.<hierarchy node> -identifier -item <folder>.<item> -item_class <item class> -join <join name> -log <log file name> [-log_only] -summary <summary> -wildcard -workbook <workbook>
Notes	You can delete one or more EUL objects at a time (see examples below).

Information	Details
Examples	<p>Example 1: To delete two business areas named Test BA and Final BA from an EUL named eul51, and write to a log file named delba.log, enter:</p> <pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -delete -business_area "Test BA" -business_area "Final BA" -eul eul51 -log delba.log</pre> <p>Example 2: To delete a folder named Sales, and a Summary named Sum1 from an EUL named eul51, and write to a log file named del.log, enter:</p> <pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -delete -folder Sales -summary Sum1 -eul eul51 -log del.log</pre> <p>Example 3: To delete three items from an EUL. You store the identifiers of the items you want to delete in a text file called delete.txt. The <code>-identifier</code> command modifier specifies that the EUL items are identified by identifier, rather than item name. Log information is stored in delete08082003.log.</p> <p>Note: The file delete.txt contains the following text:</p> <pre>-item FII_ACCOUNTS.ACCOUNT_NO -item FII_ACCOUNTS.BANK -item FII_ACCOUNTS.LOCATION</pre> <p>Enter:</p> <pre>java -jar eulbuilder.jar -delete -identifier -connect jchan/12345@my_database -cmdfile delete.txt -log delete08082003.log</pre>

-delete_eul

Use this command to delete the current Discoverer EUL.

Note: To selectively remove individual EUL objects, use the `-delete` command.

Information	Details
Syntax	<code>-delete_eul</code>
Modifiers	<code>-log <log file name> [-log_only]</code>
Notes	You can only delete EULs for which you are the registered owner (the username specified by the <code>-connect</code> command).
Examples	<p>Example 1: To delete an EUL and store processing details in a log file.</p> <pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -delete_eul -log "c:\my log dir\delete_eul.log"</pre>

-export

Use this command to export EUL objects to a Discoverer export file (that is, a file with an EEX extension). You can selectively export individual EUL objects (for example, folders, business areas, functions) or entire EULs (using the `-all` modifier).

Information	Details
Syntax	<code>-export <export file> <modifiers></code>

Information	Details
Modifiers	<p>-all</p> <p>-asm_policy <ASM policy></p> <p>-audit_info <audit details></p> <p>-business_area <business area></p> <p>-business_area_and_contents <business area></p> <p>-external_element <name of external XML file></p> <p>-folder <folder></p> <p>-function <function></p> <p>-hierarchy <hierarchy></p> <p>-identifier</p> <p>-item_class <item_class></p> <p>-log <log file name> [-log_only]</p> <p>-summary <summary></p> <p>-wildcard</p> <p>-workbook <workbook> [-xml_workbooks]</p>
Notes	<p>The <export file> argument specifies the name of the target EEX file into which you export EUL objects. If a directory path is not specified, the target file is created in the default Discoverer folder. To override the default target directory setting, specify a directory path for the file (for example, c:\data\sales.eex).</p> <p>Note: The directory path must be an absolute path, not a relative path.</p> <p>Use the -business_area_and_contents modifier to export an entire business area and contents. If you only want to export the business area definition, use the -business_area modifier.</p> <p>When you export a business area using the -business_area modifier, Discoverer exports only business area definitions and links to the folders in the business area. Discoverer exports the folders and workbooks only when they are specified by name.</p> <p>When specifying EUL objects, you can use either their Display Name or Identifier.</p> <p>To maintain data relationships, you must also export linked (or joined) objects.</p> <p>The EUL export file produced using the export command is in XML format.</p>

Information	Details
Examples	<p>Example 1: To export two business areas named Test BA and Final BA from an EUL named eul51, into a file named export.eex, and write to a log file named export.log, enter:</p> <pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -export export.eex -business_area "Test BA" -business_area "Final BA" -eul eul51 -log export.log</pre> <p>Example 2: In another example, you want to export four items. You store the names of the items you want to export in a text file called export.txt. The <code>-identifier</code> command modifier specifies that the EUL items are identified by identifier, rather than item name. Log information is stored in export07222001.log. The <code>-audit_info</code> command modifier is also used to store update information.</p> <p>Note: The command file 'export.txt' contains this text:</p> <pre>-folder FII_ACCOUNTS -hierarchy FII_BANK -hierarchy FII_ACCOUNT_LOCATION -item_class FII_LOCATION_NAME</pre> <p>Enter:</p> <pre>java -jar eulbuilder.jar -identifier -export test.eex -connect jchan/12345@my_database -audit_info -created_by ORACLE_APPS -set_updated_by ORACLE_APPS -cmdfile export.txt -log export07222001.log</pre>

-grant_privilege

Use this command to grant Discoverer privileges to database users and roles for specified actions (for example, using drills, saving workbooks).

Information	Details
Syntax	<code>-grant_privilege <modifiers></code>
Modifiers	<pre>-apps_responsibility <responsibility> -business_area_access <business area> -business_area_admin_access <business area> -identifier -log <log file name> [-log_only] -privilege <privilege> -role <role> -user <username> -wildcard -workbook_access <workbook></pre>
Notes	<p>Examples of privileges include: administration, user_edition, format_business_area, and create_edit_business_area. For more information about privileges available, see "<code>-privilege</code>".</p> <p>See also: <code>-revoke_privilege</code>.</p>

Information	Details
Examples	<p>Example 1: To grant the create edit business area privilege to user JOE:</p> <pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -eul eultest -grant_privilege -privilege create_edit_business_area -user JOE</pre> <p>Example 2: To grant workbook access to role USER_ROLE:</p> <pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -grant_privilege -workbook_access jchan."Workbook one" -role USER_ROLE</pre> <p>Note: When identifying EUL objects, you are recommended to use identifiers rather than display names. If you are using display names rather than identifiers to identify EUL objects, specify the owner of the object. For example, to specify a workbook owned by jchan, use jchan."Workbook one" rather than "Workbook one". For more information about identifiers, see "-identifier".</p> <p>Example 3: To grant all administration privileges to users JOE and JCHAN:</p> <pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -grant_privilege -user JOE -user JCHAN -privilege all_admin_privs</pre>

-help

This command displays a list of Discoverer commands and their syntax and arguments.

Information	Details
Syntax	<code>-help [command name(s)] [-all]</code>
Modifiers	<p><command name(s)></p> <p>-all</p>
Examples	<p>To see a terse list of commands:</p> <pre>java -jar eulbuilder.jar -help</pre> <p>To see detailed help on specific commands:</p> <pre>java -jar eulbuilder.jar -help <command name(s)></pre> <p>Note: To see help on multiple commands, separate commands with a comma.</p> <p>To see detailed help on all commands:</p> <pre>java -jar eulbuilder.jar -help -all</pre>

-import

Use this command to selectively import EUL objects from one or more Discoverer export files (that is, EEX files). Discoverer export files are created using the `-export` command, and contain EUL objects (for example, folders, business areas, functions, or an entire EUL). For example, if you export a business area using the `-export` command, you can import the business area from the EEX file created by the export.

When you import multiple files, Discoverer automatically resolves references between the files. For example, you can export the Emp folder in fileA.eex and the Dept folder in fileB.eex. If Emp and Dept are joined, the join information is in both files, but neither file contains the information for both folders. If you import both files, the join is recreated when the second file is processed.

Information	Details
Syntax	<code>-import <import file(s)> [modifiers]</code>
Modifiers	<ul style="list-style-type: none"> <code>-auto_refresh</code> <code>-identifier</code> <code>-import_rename_mode <rename_new rename_old do_not_import refresh></code> <code>-keep_format_properties</code> <code>-log <log file name> [-log_only]</code> <code>-preserve_workbook_owner</code> <code>-auto_gen_name</code>
Notes	<p>The <code><import file(s)></code> argument specifies the name(s) of the source EEX file(s). You must specify the full path name for the files (for example, <code>c:\data\sales.eex</code>).</p> <p>Note: The directory path of the EEX file must be an absolute path, not a relative path.</p> <p>Where an import filename include spaces, enclose the filename in double quotes (""). Separate multiple import filenames with a space.</p>
Examples	<p>Example 1: To import EUL objects from three files (file1.eex, file2.eex, and file3.eex), enter:</p> <pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -import file1.eex -import file2.eex -import file3.eex</pre> <p>Example 2: In another example, you want to import four files. You store the names of the files you want to import in a text file called import.txt. This file also contains the <code>-import</code> command. Log information is stored in import07222003.log.</p> <p>Note: The command file import.txt contains:</p> <pre>-import C:\bblock\discover\US\file1.eex -import C:\bblock\discover\US\file2.eex -import C:\bblock\discover\US\file3.eex -import C:\bblock\discover\US\file4.eex</pre> <p>Enter:</p> <pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -eul EUL4_US -apps_user -apps_responsibility "System Administrator" -apps_gwyuid applsyspub/pub -apps_fndnam APPS -apps_security_group Standard -import_rename_mode refresh -auto_refresh -identifier -cmdfile import.txt -log import07222003.log</pre>

-load

Use this command to bulk load objects from a database into a Discoverer business area.

Information	Details
Syntax	<code>-load <business area> [modifiers]</code>

Information	Details
Modifiers	<p><code>-aggregate <SUM MAX MIN COUNT AVG DETAIL></code></p> <p><code>-auto_summaries</code></p> <p><code>-capitalize</code></p> <p><code>-date_hierarchy <date hierarchy></code></p> <p><code>-db_link <database link></code></p> <p><code>-eul <EUL></code></p> <p><code>-description <description></code></p> <p><code>-join <join policy></code></p> <p><code>-log <log file name> [-log_only]</code></p> <p><code>-lov <CHAR DATE DECIMAL INTEGER KEY></code></p> <p><code>-object <database objects></code></p> <p><code>-remove_prefix</code></p> <p><code>-replace_blanks</code></p> <p><code>-sort_folders</code></p> <p><code>-sort_items</code></p> <p><code>-source <source></code></p> <p><code>-user <username></code></p>
Notes	<p>To maximize Discoverer performance, it is recommended that you use the <code>-auto_summaries</code> command modifier to automatically create summary folders. For more information, see "<code>-auto_summaries</code>".</p> <p>Use the <code>-source</code> modifier to specify the source of the data (default is the current database server). If you are loading data from an EUL Gateway, the source name must exactly match the EUL Gateway name.</p> <p>Use the <code>-eul</code> modifier to specify an EUL into which to load the objects (default is the Discoverer manager's own EUL). If you specify an EUL, you must have access privileges to the named EUL in order for the operation to succeed.</p> <p>When doing a bulk load from an Oracle database (Enterprise Edition release 9.2.0.7 and later), constraints on views are also considered when Discoverer creates joins.</p>
Examples	<p>Example 1: To bulk load into an EUL named eul51 from an Oracle Designer source on the current connection, creating a new business area named Test BA, enter:</p> <pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -load "Test BA" -source "Designer 6i - bobsworkarea" -eul eul51 -user bob -capitalize -remove_prefix -replace_blanks -lov CHAR, INTEGER, DECIMAL -aggregate AVG -log load.log -description "Test BA"</pre>

-refresh_business_area

Use this command to refresh one or more Discoverer business areas by retrieving an up-to-date EUL structure from the database.

Information	Details
Syntax	<code>-refresh_business_area <business area> [modifiers]</code>

Information	Details
Modifiers	<p><code>-log <log file name> [-log_only]</code></p> <p><code>-identifier</code></p> <p><code>-schema</code></p> <p><code>-source <server gateway></code></p> <p><code>-user <username></code></p> <p><code>-wildcard</code></p>
Examples	<p>Example 1: To refresh two business areas named Test BA and Final BA that reside in an EUL named eul_a, from an Oracle Designer source on the current connection owned by user Bob, and summarize information in a log file named refba.log, enter:</p> <pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -refresh_business_area "Test BA" -refresh_business_area "Final BA" -source "Designer 6i -bobsworkarea" -eul eul_a -user bob -log refba.log</pre> <p>Example 2: To refresh several business areas identified by identifier, enter:</p> <pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -eul eul4138_us -apps_user -apps_responsibility "Business Views Setup" -apps_gwyuid APPLSYSPUB/PUB -apps_fndnam apps -apps_security_group STANDARD -identifier -log refresh_all_bas_eul4138.log -refresh_business_area ABM_ACTIVITIES -refresh_business_area ABM_COST_OBJECTS -refresh_business_area ABM_DEPARTMENTS -refresh_business_area ABM_MATERIALS -refresh_business_area AMS_MARKETING_ONLINE -refresh_business_area...</pre>

-refresh_folder

Use this command to refresh one or more Discoverer folders. When you refresh folders, the metadata for the folder is updated. For example, if a new database column has been added to a table, the EUL is updated with details of the new column.

Information	Details
Syntax	<code>-refresh_folder <folder> [modifiers]</code>
Modifiers	<p><code>-identifier</code></p> <p><code>-log <log file name> [-log_only]</code></p> <p><code>-source <server gateway></code></p> <p><code>-user <username></code></p> <p><code>-wildcard</code></p>
Examples	<p>Example 1: To refresh two folders named Sales1 and Sales2 and write to a log file named reffol.log, enter:</p> <pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -refresh_folder Sales1 -refresh_folder Sales2 -log reffol.log</pre>

-refresh_summary

Use this command to refresh one or more Discoverer summary folders. The query on which the summary folder is based is re-run to retrieve up-to-date data.

Information	Details
Syntax	<code>-refresh_summary <summary> [modifiers]</code>
Modifiers	<p><code>-business_area <business area></code></p> <p><code>-eul <EUL></code></p> <p><code>-identifier</code></p> <p><code>-log <log file name> [-log_only]</code></p> <p><code>-wildcard</code></p>
Examples	<p>Example 1: To refresh two summary folders named Summary1 and Summary2 from a business area named Test BA, in an EUL named eul51, and write to a log file named refsum.log, enter:</p> <pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -refresh_summary Summary1 -refresh_summary Summary2 -business_area "Test BA" -log refsum.log -eul eul51</pre>

-revoke_privilege

Use this command to remove Discoverer privileges from database users for specified actions (e.g using drills, saving workbooks).

Information	Details
Syntax	<code>-revoke_privilege <modifiers></code>
Modifiers	<p><code>-apps_responsibility <responsibility></code></p> <p><code>-business_area_access <business area></code></p> <p><code>-business_area_admin_access <business area></code></p> <p><code>-identifier</code></p> <p><code>-log <log file name> [-log_only]</code></p> <p><code>-privilege <privilege></code></p> <p><code>-role <role></code></p> <p><code>-user <username></code></p> <p><code>-wildcard</code></p> <p><code>-workbook_access <workbook></code></p>
Notes	<p>Examples of privileges include: administration, user_edition, format_business_area, and create_edit_business_area. For a complete list of privileges, see the <code>-privilege</code> modifier.</p> <p>See also: <code>-grant_privilege</code>.</p>

Information	Details
Examples	<p>Example 1: To revoke the create edit business area privilege from user JOE:</p> <pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -eul eultest -revoke_privilege -privilege create_edit_business_area -user JOE</pre> <p>Example 2: To revoke access to a workbook from a role:</p> <pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -revoke_privilege -workbook_access "Workbook one" -role USER_ROLE</pre> <p>Example 3: To revoke all administration and user privileges from users JOE and JCHAN:</p> <pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -revoke_privilege -privilege all_admin_privs -privilege all_user_privs -user JOE user JCHAN</pre>

Discoverer EUL Command Line for Java command modifier reference

This section contains detailed reference information about optional command modifiers available in the Discoverer EUL Command Line for Java. Command modifiers are used to refine or qualify Discoverer EUL Command Line for Java commands. Note the following:

- command modifiers are listed in alphabetical order
- for more information about Discoverer EUL Command Line for Java commands, see "[Discoverer EUL Command Line for Java command reference](#)"

-aggregate

Use this command modifier to specify the default aggregate to be used during a bulk load.

Information	Details
Syntax	<code>-aggregate <SUM MAX MIN COUNT AVG DETAIL></code>
Used with	<code>-load</code>

-all

Use this command modifier to select every object in an EUL for export. Used with the `-help` command, this command modifier displays online help for all commands.

Information	Details
Syntax	<code>-all</code>
Used with	<code>-help</code> <code>-export</code>

-apps_fndnam

Use this command modifier to override the value of the Applications Foundation name (FNDNAM).

Information	Details
Syntax	<code>-apps_fndnam <foundation name></code>
Used with	-connect
Examples	<code>java -jar eulbuilder.jar -connect appsuser:appsresp/appspwd -apps_fndnam apps</code>

-apps_fndnam_password

Use this command modifier to specify a Foundation Name password instead of an Oracle Applications user password when you connect to an Applications mode EUL.

Information	Details
Syntax	<code>-apps_fndnam_password <foundation name password></code>
Used with	-connect

-apps_gwyuid

Use this command modifier to specify a Gateway User ID when you use the [-apps_fndnam](#) modifier.

Information	Details
Syntax	<code>-apps_gwyuid <gateway user ID>/<password></code>
Used with	-connect
Examples	Example 1: <code>java -jar eulbuilder.jar -connect appsuser:appsresp/appspwd -apps_gwyuid applsyspub/pub</code>

-apps_grant_details

Use this command modifier to specify an Oracle Applications schema and password when creating an Oracle Applications mode EUL.

Information	Details
Syntax	<code>-apps_grant_details <schema>/<password></code>
Used with	-create_eul

-apps_mode

Use this command modifier to create an Applications Mode EUL in the database, and connects you to it. This command modifier is used with the [-create_eul](#) command.

Information	Details
Syntax	<code>-apps_mode</code>
Used with	-create_eul
Notes	See also: -apps_grant_details

-apps_responsibility

Use this command modifier to specify an Oracle Applications responsibility when connecting as an Oracle Applications user to grant (or revoke) privileges.

Information	Details
Syntax	<code>-apps_responsibility <Oracle Applications responsibility name></code>
Notes:	The Oracle Applications responsibility name can also be included immediately following a colon (:) placed after the Oracle Applications user name (before the password). For example: <pre>java -jar eulbuilder.jar -connect appsuser:appsresp/appspwd -apps_gwyuid applsyspub/pub</pre>
Used with	-connect -grant_privilege -revoke_privilege

-apps_security_group

Use this command modifier to specify an Oracle Applications security group when connecting as an Oracle Applications user.

Information	Details
Syntax	<code>-apps_security_group <Oracle Applications security group name></code>
Used with	-connect

-apps_user

Use this command modifier to connect to Discoverer as an Oracle Applications user.

Information	Details
Syntax	<code>-apps_user <Applications user></code>
Modifiers	-apps_responsibility -apps_security_group
Used with	-connect
Examples	Example 1: <pre>java -jar eulbuilder.jar -connect appsuser/appspwd -apps_user -apps_responsibility UK_Purchasing -apps_security_group UK_Managers</pre> Example 2: <pre>java -jar eulbuilder.jar -connect appsuser:UK_Purchasing/appspwd -apps_user -apps_security_group UK_Managers</pre>

-asm_policy

Use this command modifier to specify which Oracle Automated Summary Management (ASM) policy you want to delete or export.

Note: There is one ASM policy per EUL.

Information	Details
Syntax	<code>-asm_policy <ASM policy></code>
Used with	-delete -export

-asm_space, -asm_tablespace

Use these command modifiers to override space and tablespace values set in the ASM policy and uses space and tablespace constraints that you specify. The following are valid combinations of tablespace and space values:

Information	Details
Syntax	<code>-asm_space <bytes></code> OR <code>-asm_space <bytes> -asm_tablespace <tablespace name></code>
Notes	Use <code>-asm_space <bytes></code> to specify the size of the ASM policy tablespace. Use <code>-asm_tablespace <tablespace name> -asm_space <bytes></code> to specify a tablespace and tablespace size. Note: You must specify a valid tablespace name.
Used with	-asm

-audit_info

Use this command modifier to export audit fields with every Created By, Created Date, Updated By, or Updated Date object.

Information	Details
Syntax	<code>-audit_info [-set_created_by <name of creator>]</code> <code>[-set_created_date <date of creation>]</code> <code>[-set_updated_by <name of updater>]</code> <code>[-set_updated_date <date of update>]</code>
Used with	-export
Notes	See also: -set_created_by -set_created_date -set_updated_by -set_updated_date

-auto_gen_name

Use this command modifier to set the Auto Generate name property, of all secondary elements to Yes, for all folders imported. For example, you might export a business area called Performance to an EEX file. If you then import the Performance business area from the EEX file at a later date, Discoverer sets the Auto Generate name property of all secondary elements to Yes, irrespective of the value that exists in exported file. For more information about secondary elements and the Auto generate name property, see the *Oracle Fusion Middleware Administrator's Guide for Oracle Business Intelligence Discoverer*.

Information	Details
Syntax	-auto_gen_name
Used with	-import

-auto_refresh

Use this command modifier to automatically get up-to-date metadata from the database for all folders imported. For example, you might export a business area called Performance to an EEX file. If you then import the Performance business area from the EEX file at a later date, Discoverer retrieves up-to-date metadata from the data dictionary.

Information	Details
Syntax	-auto_refresh
Used with	-import

-auto_summaries

Use this command modifier to automatically create summary folders during a bulk load using Discoverer's powerful Automated Summary Management (ASM) facility. Summary folders contain data that has been queried and processed so that it can be reused. This modifier enables you to improve Discoverer's performance and minimize response times for Discoverer end-users.

Information	Details
Syntax	-auto_summaries
Used with	-load

For more information about summary folders and ASM, see *Oracle Fusion Middleware Administrator's Guide for Oracle Business Intelligence Discoverer*.

-auto_upgrade

Use command modifier to enable Discoverer to automatically upgrade an EUL when you connect to an EUL. For example, you might have upgrade when a new version of Discoverer is installed. If you do not use the -auto_upgrade modifier when an upgrade is required, the connect fails and an error message is displayed.

Information	Details
Syntax	-auto_upgrade
Used with	-connect

-ba_link

Use this command modifier to remove a folder from a business area by removing the link between the two.

Information	Details
Syntax	-ba_link <business area>.<folder>

Information	Details
Notes	The folders or business areas themselves are not removed, only the link between them. For example, to remove the folder Stores from the business area Video Analysis Information, you specify "Video Analysis Information".Stores.
Used with	-delete

Hint: To remove a folder from an EUL completely, use '-delete -folder' (for more information, see "[-folder](#)").

-business_area

Use this command modifier to specify a business area for export or deletion.

Note: Only the definition of the business area is exported or deleted, not the objects (for example, folders, items, item classes) contained within it. To export or delete a business area and the objects contained within it, use [-business_area_and_contents](#).

Information	Details
Syntax	<code>-business_area <business area></code>
Used with	-delete -export -refresh_summary

-business_area_access

Use this command modifier to grant (or revoke) access to business areas to (or from) database users, roles, and Oracle Applications responsibilities.

Information	Details
Syntax	<code>-business_area_access <business area></code>
Used with	-grant_privilege -revoke_privilege

-business_area_admin_access

Use this command modifier to grant (or revoke) business area administration privileges to business areas to (or from) database users, roles, and Oracle Applications responsibilities.

Information	Details
Syntax	<code>-business_area_admin_access <business area></code>
Used with	-grant_privilege -revoke_privilege

-business_area_and_contents

Use this command modifier to specify a business area and objects (for example, folders, items, item classes) contained within it for export or deletion.

Note: To export or delete a business area definition but leave the objects (for example, folders, items, item classes) contained within it intact, use [-business_area](#).

Information	Details
Syntax	<code>-business_area_and_contents <business area></code>
Used with	-delete -export -refresh_business_area

-capitalize

Use this command modifier to request that folder names have initial capital letters when they are generated from their respective column names during a bulk load.

Information	Details
Syntax	<code>-capitalize</code>
Used with	-load

-character_set_encoding

Use this command modifier to specify the character set in which command files are saved (for example, EUC, Shift_JIS, UTF-8). For example, a command file created on Solaris with a Japanese locale is encoded in the default Java character set (that is, EUC). However, on Windows, Japanese characters are usually encoded in Shift_JIS or UTF-8, which means that you must specify a character set so that Java can interpret commands correctly.

Information	Details
Syntax	<code>-character_set_encoding <character set></code>
Used with	-cmdfile
Notes	You must specify this modifier at the command prompt immediately following the <code>-cmdfile</code> command. In other words, you cannot include the <code>-character_set_encoding</code> command modifier inside the command file itself.

-condition

Use this command modifier to specify a condition for deletion.

Information	Details
Syntax	<code>-condition <condition></code>
Used with	-delete

-date_hierarchy

Use this command modifier to specify the date hierarchy to be used during a bulk load. If you do not specify a date hierarchy, the default date hierarchy is used.

Information	Details
Syntax	<code>-date_hierarchy <date hierarchy></code>
Used with	-load

-db_link

Use this command modifier to specify the database link to be used during a bulk load.

Information	Details
Syntax	<code>-db_link <database link></code>
Used with	-load

-default_tablespace

Use this command modifier to specify a default tablespace for the current username when you create an EUL. The value specified changes the default tablespace value for the current username (for more information, see ["What privileges do you require to use the Discoverer EUL Command Line for Java?"](#)).

Information	Details
Syntax	<code>-default_tablespace <tablespace name></code>
Used with	-create_eul
Notes	Database tablespace names are case sensitive.

-description

Use this command modifier to specify a description for an object.

Information	Details
Syntax	<code>-description <description></code>
Used with	-load
Notes	If a description contains spaces, enclose the <code><description></code> value in double quotes ("").

-eul

Use this command modifier to specify an EUL on which to run a command. You must have access privileges to the specified EUL. If not specified, the default EUL for the database user is used.

Information	Details
Syntax	<code>-eul <EUL></code>
Used with	-connect -load -refresh_summary
Notes	<code><EUL></code> must be the name of a valid EUL. This modifier does not change the default EUL for the user.

-eul_language

Use this command modifier to specify a language for the EUL.

Information	Details
Syntax	<code>-eul_language <language></code>
Used with	-create_eul

-external_element

Use this command modifier to place XML code from a specified file at the top of an export file. The `-external_element` command modifier is used only with the `-export` command.

Information	Details
Syntax	<code>-external_element <filename></code>
Used with	-export
Notes	<p>To use this command modifier, type the XML that you want to place at the top of the export file into a separate file and specify the name of this file as the <code><filename></code> argument.</p> <p>You can use the <code>-external_element</code> command modifier multiple times in the same export operation (see example below).</p> <p><code><filename></code> is the name of the file containing the XML that you want to include in the EEX file.</p>
Examples	<p>Example 1: To place the xml from the files <code>custom1.xml</code> and <code>custom2.xml</code> into the top of the export file <code>myBA.eex</code>, enter:</p> <pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -export myBA.eex -business_area bus_area1 -external_element custom1.xml -external_element custom2.xml</pre>

-folder

Use this command modifier to specify a folder for export or deletion.

Information	Details
Syntax	<code>-folder <folder></code>
Used with	-delete -export

Hint: If you want to remove a folder from a business area without removing the folder from the EUL, use [-ba_link](#).

-function

Use this command modifier to specify a function for export or deletion.

Information	Details
Syntax	<code>-function <PL/SQL function></code>

Information	Details
Used with	-delete -export

-hier_node

Use this command modifier to specify a node in a hierarchy for deletion.

Information	Details
Syntax	<code>-hier_node <hierarchy>.<hierarchy node></code>
Used with	-delete

-hierarchy

Use this command modifier to specify a hierarchy for export or deletion.

Information	Details
Syntax	<code>-hierarchy <hierarchy></code>
Used with	-delete -export

-identifier

Use this command modifier to specify EUL objects by identifier, rather than by display name. If you omit this command modifier, EUL objects are identified by their display name.

Information	Details
Syntax	<code>-identifier</code>
Used with	-delete -export -grant_privilege -refresh_business_area -refresh_folder -refresh_summary -revoke_privilege
Notes	If you reference an object prefixed with a parent object name, you must also reference the parent object name using its identifier. For example, to delete the item Region.City, you must use identifiers for both objects, as follows: <code>-delete -item REGION_01.CITY_01 -identifier</code>
Examples	Example 1: To delete the item Video Analysis Information.Store Name using identifiers, enter: <pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -delete -item DC_VIDEO_ANALYSIS_INFORMATION4.STORE_NAME01 -identifier</pre> Example 2: To delete a folder with the identifier FOLDER_01, enter: <pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -delete -folder FOLDER_01 -identifier</pre>

-import_rename_mode

Use this command modifier to specify how to manage imported EUL objects that match EUL objects in your current EUL.

Information	Details
Syntax	<code>-import_rename_mode <rename_new rename_old do_not_import refresh></code>
Used with	-import
Notes	<p>Use <code>rename_new</code> to rename imported objects that match existing objects.</p> <p>Use <code>rename_old</code> to rename existing objects that match imported objects.</p> <p>Use <code>do_not_import</code> to not import objects that match existing objects.</p> <p>Use <code>refresh</code> to merge imported objects with existing objects. By default, merged objects are matched on display name.</p> <p>Use the -identifier command modifier to match on identifier.</p>

-item

Use this command modifier to specify an item for deletion.

Information	Details
Syntax	<code>-item <item></code>
Used with	-delete -export

-item_class

Use this command modifier to specify an item class for export or deletion.

Information	Details
Syntax	<code>-item_class <item class></code>
Used with	-delete -export

-join

This command modifier is used in two ways depending on which command you use it with:

- used with the [-load](#) command, the `-join` command modifier enables you to specify how Discoverer creates joins during a bulk load
- used with the [-delete](#) command, the `-join` command modifier enables you to remove a specific join

Information	Details
Syntax	<code>-load</code> <code>-join <NONE COLUMN_NAME PRIMARY_KEY></code> <code>-delete -join <join name></code>

Information	Details
Used with	-delete -load

-keep_format_properties

Use this command modifier to keep existing format properties (for example, display names, descriptions) on import. If you do not use this command modifier, you update existing format properties with the display names and descriptions in the import file (that is, the EEX file).

Information	Details
Syntax	-keep_format_properties
Used with	-import

-log

This modifier enables you to specify a name for the log file that stores command status messages. After each command is executed, Discoverer writes a status message indicating whether the command was successful. You can use [-log](#) with the optional [-log_only](#) command modifier.

Information	Details
Syntax	-log < <i>log file name</i> > [-log_only]
Used with	All commands except -help .
Notes	If the file specified by < <i>log file name</i> > exists, the existing log file is overwritten. If the file specified by < <i>log file name</i> > does not exist, a new file is created.

-log_only

Use this command modifier to perform impact analysis by simulating a command and generating a log, without changing live data. Using this command modifier enables you to check for errors and exceptions before changing data.

This command is used with the [-log](#) command modifier.

Information	Details
Syntax	-log < <i>log file name</i> > [-log_only]
Used with	-log -delete -import -refresh_business_area -refresh_folder
Notes	This command modifier cannot be used with the -auto_upgrade command modifier.

-lov

Use this command modifier to specify the data types for which a list of values are generated during a bulk load.

Information	Details
Syntax	-lov <CHAR DATE DECIMAL INTEGER KEY>
Used with	-load

-object

Use this command modifier to bulk load objects from a database into a Discoverer business area.

Information	Details
Syntax	-object <mask> Note: You can use wildcard characters.
Used with	-load

-overwrite

Use this command modifier to overwrite an existing EUL owned by the intended owner when you create an EUL. If omitted, the default is to not overwrite an existing EUL.

Information	Details
Syntax	-overwrite
Used with	-create_eul

-password

Use this command modifier to specify the password for a new user created using the [-create_eul](#) command.

Information	Details
Syntax	-password <password>
Used with	-create_eul

-preserve_workbook_owner

Use this command modifier to specify that the original workbook owners maintain ownership of an imported workbook when you import an EUL.

Information	Details
Syntax	-preserve_workbook_owner
Used with	-import

-private

Use this command modifier to specify that public access is not granted to a newly created EUL. In other words, only the EUL owner can access the newly created EUL. If omitted, public access is granted to the newly created EUL.

Information	Details
Syntax	-private
Used with	-create_eul

-privilege

Use this command modifier to specify the privileges to grant (or revoke) to (or from) database users. For more information about granting and revoking privileges, see "[-grant_privilege](#)" and "[-revoke_privilege](#)".

Information	Details
Syntax	-privilege <privilege>
Used with	-grant_privilege -revoke_privilege

The possible values for <privilege> are:

- Use 'administration' to enable the user or role to log in to Discoverer Administrator. Note that to allow the user to access the features in Discoverer Administrator, you must select individual Administration privileges (for example, create_summaries, collect_qpp).
- Use 'user_edition' to enable the user or role to log in to Discoverer Desktop and Discoverer Plus. Note that to allow the user to access the features in Discoverer Desktop and Discoverer Plus, you must select individual Desktop/Plus privileges (for example, drill out, schedule_workbook).
- Use 'format_business_area' to enable the user or role to edit formatting information (for example, folders, summary folders, joins) in an existing business area to which they have access.
- Use 'create_edit_business_area' to enable the user or role to create and modify business areas, folders, summary folders, joins, calculations, conditions, hierarchies and item classes.
- Use 'create_summaries' to enable the user or role to create summary folders. This privilege also requires database resource privileges.
- Use 'set_privilege' to enable the user to maintain and modify user privileges.
Note: You cannot grant this privilege to a role.
- Use 'manage_scheduled_workbooks' to enable the user or role to monitor and maintain scheduled workbooks.
- Use 'create_edit_query' to enable the user or role to create new worksheets (queries) and modify existing ones. Without this privilege, the user can only open and run existing workbooks and worksheets.
- Use 'collect_qpp' to collect performance statistics when the user opens workbooks and worksheets.

- Use 'item_drill' to enable the user or role to drill down into worksheet data.
- Use 'drill_out' to enable the user or role to launch another application to see related information by drilling on an item in a worksheet.
- Use 'grant_workbook' to enable the user or role to grant access to their workbooks so that other users can access them.
- Use 'schedule_workbook' to enable the user to schedule a workbook to run at a later time or at regular intervals (that is, daily, weekly, monthly).
Note: You cannot grant this privilege to a role.
- Use 'save_workbook_database' to enable the user or role to save the workbooks in the database.
- Use 'all_admin_privs' to enable the user or role to the following privileges:
 - administration
 - format_business_area
 - create_edit_business_area
 - create_summaries
 - set_privilege
 - manage_scheduled_workbooks
- Use 'all_user_privs' to enable the user or role to the following privileges:
 - user_edition
 - create_edit_query
 - collect_qpp
 - item_drill
 - drill_out
 - grant_workbook
 - schedule_workbook
 - save_workbook_database

-remove_prefix

Use this command modifier to specify that item names do not include the column name prefix when they are generated from their respective column names during a bulk load.

Information	Details
Syntax	<code>-remove_prefix</code>
Used with	-load
Examples	<pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -load "Test BA" -remove_prefix</pre> <p>In this example, an item named Stores_Store_name would be loaded as Store_name.</p>

-replace_blanks

Use this command modifier to replace underscores with spaces in EUL object names during a bulk load.

Information	Details
Syntax	-replace_blanks
Used with	-load
Examples	<pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -load "Test BA" -replace_blanks</pre> <p>In this example, an item named Store_name would be loaded as Store name.</p>

-role

Use this command modifier to specify a database role when you grant (or revoke) privileges to (or from) database users.

Information	Details
Syntax	-role <role>
Used with	-grant_privilege -revoke_privilege

-schema

Use this command modifier to specify a schema (user) during a business area refresh.

Information	Details
Syntax	-schema <schema>
Used with	-refresh_business_area

-set_created_by

Use this command modifier to specify who performed an export for audit purposes (during an export).

Information	Details
Syntax	-audit_info -set_created_by <name of creator>
Used with	-audit_info
Examples	<p>Example 1: To export a business areas Test BA from an EUL named eul51, into a file named export.eex, and specify that the export was performed by jchan, enter:</p> <pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -export export.eex -business_area "Test BA" -audit_info -set_created_by jchan</pre>

-set_created_date

Use this command modifier to specify an export date for audit purposes (during an export).

Information	Details
Syntax	<code>-audit_info -set_created_date <date of creation></code>
Used with	-audit_info
Examples	<p>Example 1: To export a business areas Test BA from an EUL named eul51, into a file named export.eex, and specify that the export was performed on January 1st 2004, enter:</p> <pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -export export.eex -business_area "Test BA" -audit_info -set_created_date "1st January 2004"</pre>

-set_updated_by

Use this command modifier to specify who updated an EUL for audit purposes (during an export).

Information	Details
Syntax	<code>-audit_info -set_updated_by <name of updater></code>
Used with	-audit_info

-set_updated_date

Use this command modifier to specify a date of update for audit purposes (during an export).

Information	Details
Syntax	<code>-audit_info -set_updated_date <date of update></code>
Used with	-audit_info

-sort_folders

Use this command modifier to specify that Discoverer must alphabetically sort folders during a bulk load.

Information	Details
Syntax	<code>-sort_folders</code>
Used with	-load

-sort_items

Use this command modifier to specify that Discoverer must alphabetically sort items during a bulk load.

Information	Details
Syntax	<code>-sort_items</code>
Used with	-load

-source

Use this command modifier to specify a data source.

Information	Details
Syntax	<code>-source <gateway name></code>
Used with	-load -refresh_business_area
Notes	Use gateway name to specify the name of an Oracle Designer object or other gateway. The gateway name must exactly match the gateway name displayed in the Load Wizard. In the case of Oracle Designer, specify "Designer 6i - <workarea name>" (if you are using a version of Oracle Designer earlier than Oracle Designer 6i, simply specify "Oracle Designer repository"). If you do not specify a gateway using <code>-source</code> , Discoverer uses the online dictionary.

-summary

Use this command modifier to specify a summary for export or deletion.

Information	Details
Syntax	<code>-summary <summary></code>
Used with	-delete -export

-temporary_tablespace

Use this command modifier to specify a temporary tablespace when you create an EUL.

Information	Details
Syntax	<code>-temporary_tablespace <temporary tablespace name></code>
Used with	-create_eul

-user

Use this command modifier to specify the username to be used for the operation. When used with the `-create_eul` command, this command modifier enables you to create a new database user.

Information	Details
Syntax	<code>-user <username></code>
Used with	-create_eul -grant_privilege -refresh_business_area -refresh_folder -refresh_summary -revoke_privilege
Notes	Any valid username.

-wildcard

Use this command modifier to specify EUL objects using wildcard characters (for more information, see [About using wildcards to identify EUL objects](#)).

Information	Details
Syntax	-wildcard
Used with	-delete -export
Examples	<p>Example 1: For example, to delete all business areas with display names beginning with 'A':</p> <pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -delete -business_area A% -wildcard</pre> <p>Example 2: To delete all business areas with a developer key of 'A' followed by exactly two more characters:</p> <pre>java -jar eulbuilder.jar -connect jchan/12345@my_database -delete -business_area A__ -identifier -wildcard</pre> <p>In the above example, a business area with a developer key 'ABC' would be deleted, but not a business area with a developer key 'ABCD'.</p>

-workbook

Use this command modifier to specify a workbook for export or deletion.

Information	Details
Syntax	-workbook <workbook> [-xml_workbooks]
Used with	-delete -export

-workbook_access

Use this command modifier to grant (or revoke) access to workbooks to (or from) database users, roles, or responsibilities.

Information	Details
Syntax	-workbook_access <workbook>
Used with	-grant_privilege -revoke_privilege

-xml_workbooks

This command modifier (used with the [-export](#) command) forces all workbooks to be exported in XML format and binary large object (BLOB) format. Exporting workbooks in XML format enables you to view the definition of exported workbooks in a text editor or XML browser.

Information	Details
Syntax	-xml_workbooks

Information	Details
Used with	-export

Discoverer EUL Command Line for Java error messages

This appendix describes error messages used by the Discoverer EUL Command Line for Java.

Discoverer EUL Command Line for Java error messages

This appendix provides reference information about error message used by the Discoverer EUL Command Line for Java.

Error text	Error description
Delete requested without specifying any objects to delete	A delete request has been specified without providing any EUL objects to delete.
Error creating export file	A file error on creating the EEX file during an export.
Error creating impact analysis file	A file error on creating the impact analysis file using the <code>-log -log_only</code> command.
Error creating log file	A file error on creating the log file.
Error parsing command file <option>	The command file contained syntax errors.
Export requested without specifying any objects to export	An export request was specified without specifying any EUL elements to export (and without specifying the <code>-all</code> option).
Incomplete option	A valid option has been specified but without specifying all the additional options required. For example, if you type <code>'-delete -folder'</code> without specifying a folder name.
Invalid aggregate	An invalid aggregate option has been specified for the bulk load operation. Valid options are <code>sum</code> , <code>max</code> , <code>min</code> , <code>count</code> , <code>avg</code> , and <code>detail</code> .
Invalid date format - use dd/mm/yyyy hh:mm:ss	During an export request you can specify the Created Date and Updated Date. The dates must be in the format <code>'dd/mm/yyyy hh:mm:ss'</code> or <code>SYSDATE</code> ; otherwise, this error is returned.
Invalid gateway type	An invalid gateway option has been specified for the bulk load operation. Valid options are <code>online_dictionary</code> , <code>designer</code> , and <code>external</code> .
Invalid import rename mode	An import request was made specifying an unrecognized rename mode. Valid options are <code>rename_old</code> , <code>rename_new</code> , <code>do_not_import</code> , and <code>refresh</code> .

Error text	Error description
Invalid join option	An invalid join option has been specified for the bulk load operation. Valid options are primary_key, column_name, and none.
Invalid LOV option	An invalid LOV option has been specified for the bulk load operation. Valid options are char, integer, decimal, date, and key.
Invalid option	An unrecognized command line option has been specified.
Invalid option - cannot set <option> without setting <option>	An option has been requested without specifying the parent option. For example, specifying -lov without being in the context of a bulk load request.
Invalid option - cannot set <option> without setting one of <option>	An option has been requested without specifying a valid parent option. This is the same as above but for options which make sense in more than context. For example, -folder can be valid both for export and delete requests.
No Apps password specified for create Apps EUL operation	A create Applications mode EUL request has been made without specifying the Applications password.
No Apps user specified for create Apps EUL operation	A create Applications mode EUL request has been made without specifying the Applications user.
No command file specified	A command file request was made without specifying a command file to use.
No connection to an EUL has been established	A command request was made without a connection having been made to an EUL.
No user specified for create EUL operation.	A command request was made without specifying a database username (or Applications username).
No password specified for create EUL operation.	A command request was made without specifying a database password (or Applications password).
Refresh requested without specifying any folders or business areas to refresh	A refresh request was made without specifying any folders or business areas to refresh.
You must specify a connect string	A connect request has been specified but no connect string provided.
You must specify a connection to an EUL	A request has been specified without requesting a connection.
You must specify a name for the log file	The -log option has been specified without a filename for the log file.
You must specify an export file	An export request was made without specifying an EEX file to export to.
You must specify some .EEX files to import	An import request was specified without specifying any EEX files to import.

Differences in syntax between Discoverer command line interfaces

This appendix describes the differences between the Discoverer EUL Command Line for Java and the Discoverer Administrator Command Line Interface.

Differences in syntax between Discoverer command line interfaces

The Discoverer EUL Command Line for Java is similar to the Oracle Discoverer Administrator Command Line Interface. If you are migrating commands from Oracle Discoverer Administrator Command Line Interface to Discoverer EUL Command Line for Java, note the following differences:

Oracle9iAS Discoverer Administrator Command Line Interface command	Equivalent Discoverer EUL Command Line for Java command
commands and command modifiers are prefixed with the '/' character	commands and command modifiers are prefixed with the '-' character
/insert_blanks	-replace_blanks
/refresh	-import_rename_mode has values <rename_new rename_old do_not_import refresh>
/refresh_bus_area	-refresh_business_area
/rename	-import_rename_mode has values <rename_new rename_old do_not_import refresh>

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