

Oracle® Enterprise Repository

Import/Export Tool Guide

10g Release 3 (10.3)

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Primary Author: Vimika Dinesh

Contributing Author: Jeff Schieli, Scott Spieker, Mike Wallace, Sharon Fay

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Oracle Enterprise Repository

Import/Export Tool Guide

Table of Contents

- **Overview**
- **Starting the Tool**
 - **Launching From Oracle Enterprise Repository**
 - **Launching From Command Line**
 - **Initial Startup**
- **Exporting Items from Oracle Enterprise Repository**
- **Importing Items into Oracle Enterprise Repository**

Overview

The Oracle Enterprise Repository Import/Export Tool is designed to allow the interchange of assets and related metadata between instances of Oracle Enterprise Repository.

Archives must be completely self-contained. That is, all dependent data required to fully describe all exported items will also be exported. The dependencies are as follows:

- Assets, Compliance Templates, and Policies rely on Types
- Asset Types, Compliance Template Types, and Policy Types rely on Categorization Types and Relationship Types

For example, when exporting a single Asset, the resultant archive will contain that Asset, its associated Asset Type, and any Categorization Types and Relationship Types on which that Asset Type depends. When importing, all data contained within the archive will be imported into the destination instance of Oracle Enterprise Repository. Conflicts resulting from the existence of items with the same name are resolved in the following manner:

- Assets, Compliance Templates, Policies, and their respective Types must have unique names within the system. When an imported item has the same name as an item already in the destination Oracle Enterprise Repository instance, "v2" will be appended to the name of the new (imported) item. Each iteration of this occurrence will result in a new version of the item: "v3," "v4," and so on. If the name of an imported item is already appended with a "Vn" designation, "v2" will be further appended to that name.
- Categorization Types merge data in the event of a destination Categorization Type of the same name. Categorizations in the source archive that are not present on the destination system will be added to the existing (destination) Categorization Type.
- Source and destination Relationship Types sharing the same name and type are

ignored; existing descriptive text is retained on the destination system. When source and destination Relationship Types share the same name, but are of different types, the name of the source Relationship type is appended with "v2," as described above, upon import to the destination system.

Note: If your instance of Oracle Enterprise Repository is or will be configured to be secured by Siteminder, you will need to configure the policy server to ignore (or unprotect) the following URL to allow the Import/Export tool to function properly

- o `http://appserver.example.com/oer/services/`

Starting the Tool

The **Import/Export Tool** can be run as a stand-alone client or launched from within Oracle Enterprise Repository from the **Admin** screen. The Import/Export Tool requires JDK 1.4.2 or later.

Launching From Oracle Enterprise Repository

To enable launching from the **Admin** tab, a new property must be configured and added and set to **True**:

- `cmee.importexport.enabled`

This will enable an Import/Export section in Oracle Enterprise Repository. Due to the nature of the Import/Export Tool and the amount of data required for a comprehensive backup, the tool is restricted to users who are assigned the **Admin** role, such as the built-in admin user. The link to launch the Import/Export Tool is visible only to users with the **Admin** role.

- **Note:**
 - Since Import/Export is a self-contained tool utilizing REX, you will be required to log in again after launching it from Oracle Enterprise Repository.

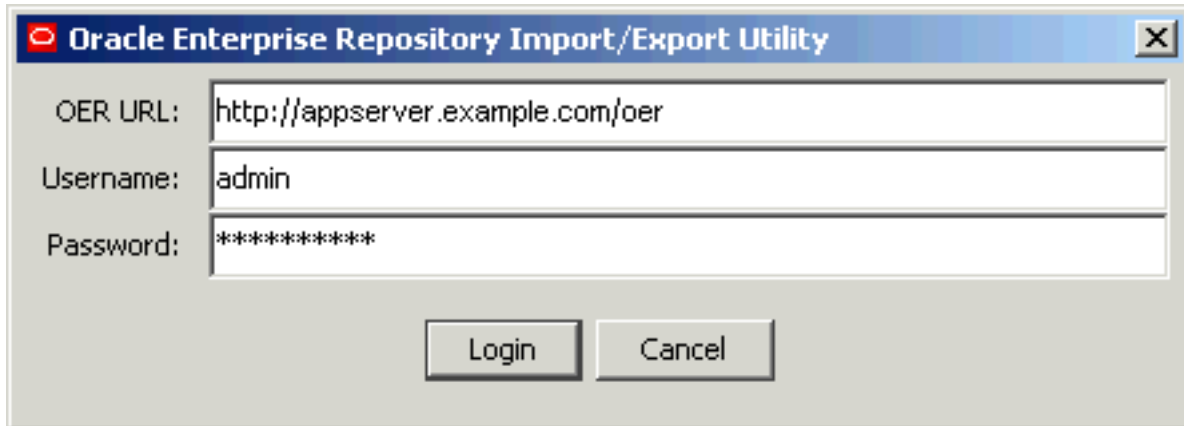
Launching From Command-line

Ensure that the JDK (1.4.2 or later) is on the command path and that `JAVA_HOME` is set. Copy the `impexp/` directory from the install media and execute the following:

- **Win32 Platforms**
 - `impexp.bat`
- **Unix/Linux Platforms**
 - `sh ./impexp.sh`

Initial Startup

Upon launching the Import/Export Tool, the user is prompted to enter connection information for Oracle Enterprise Repository.



- **OER URL**

- Path to the Oracle Enterprise Repository installation, usually the same as the servlet path, as defined in the system settings. Example: `http://appserver.example.com/oer/`

- **Username**

- Name of a user who has been granted the **Admin** role within Oracle Enterprise Repository.

- **Password**

- Password for the user specified above.

To set a maximum time in milliseconds that an Import/Export tool can run before it is automatically killed by the job monitor, a new system setting must be configured:

- `cmee.extframework.impexp.monitor.maxruntime`

Exporting Items from Oracle Enterprise Repository

This procedure is performed on the Oracle Enterprise Repository **Admin** screen.

1. Click **Import Export** in the **Admin** sidebar.
2. Click **Import / Export Client**.

The **Import / Export Client** launches.

3. Click the **Export** tab.

Export **Import**

Select target and entity types to export...

Select Target File

Select Entities to Export

Assets

Asset Types

Categorization Types

Relationship Types

TIPS:
Select a file name to save the export to.
Select the Oracle Enterprise Repository entities you would like to include within the export.

4. Enter the appropriate file name in the **Select Target File** text box or click **Browse** to select the target file for the export.
5. Use the **Select Entities to Export** check boxes to identify the entities to be exported. This selection determines the specific behavior of the export client in subsequent steps.
6. Click **Next**.

The **Select** pop-up appears, as determined by the selection in **Step 5**.

The screenshot shows a dialog box titled "Select Assets to export...". At the top, there are two tabs: "Export" (selected) and "Import". Below the tabs, the title "Select Assets to export..." is displayed. Underneath, there is a section "Find an Asset" containing a "Keyword:" text input field, an "Asset Type:" dropdown menu currently set to "All Asset Types", and a "Search" button. Below the search section is a link "List All Assets". The main area of the dialog is divided into two columns: "Available (0)" on the left and "Selected (0)" on the right. Between these columns are four buttons: "<<", "All <<", ">>", and "All >>". At the bottom of the dialog, there are three buttons: "Cancel", "Back", and "Next".

7. Use **Search** or click **List all** to display a list of items in the **Available** column.
8. Use the << and >> buttons to move selected items between the **Available** and the **Selected** columns.
9. Click **Next**.

If more than one selection was made in **Step 5 (Select Entities to Export)**, repeat **Step 7** and **Step 8** in the next **Select** pop-up to select the next group of items for export.

10. Click **Next**.

A list of the files to be exported appears in the **Ready to perform export** pop-up.

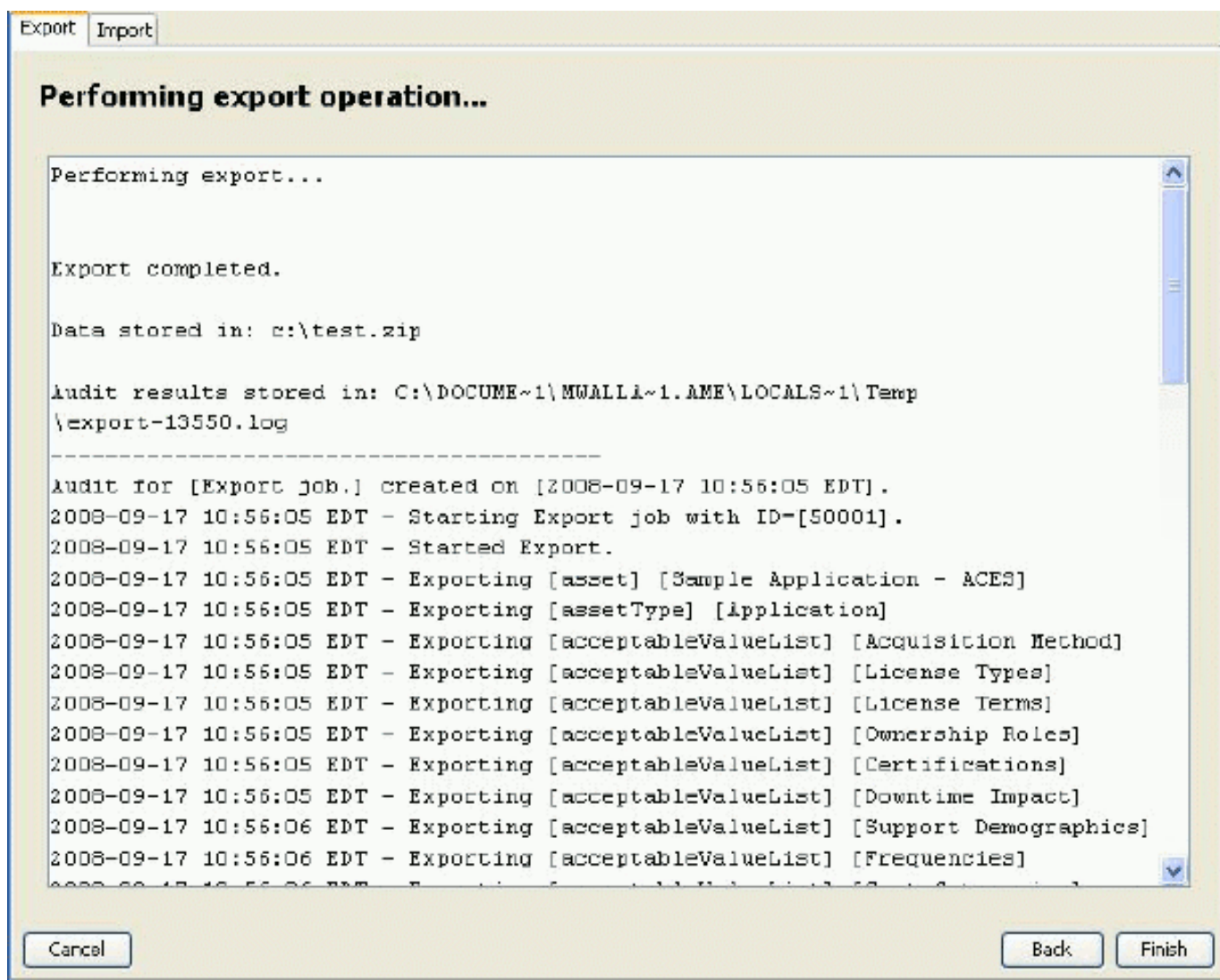


11. Click **Next**.

A progress bar indicates the status of the export process.

Note: Variations in the size and complexity of the exported items will affect the speed of this process and the behavior of the progress bar.

A summary of the export is displayed on completion.



On Microsoft Windows platforms, Windows Explorer will open to the folder where the archive was saved (assuming system permissions allow shell execution from the application).

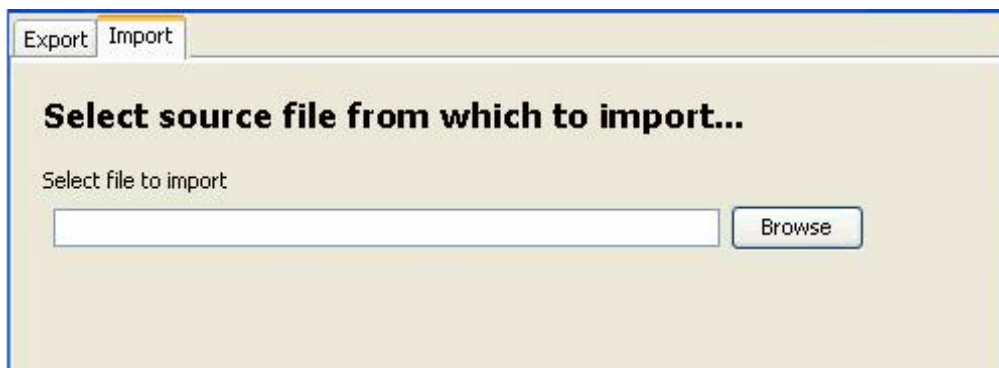
Importing Items into Oracle Enterprise Repository

This procedure is performed on the Oracle Enterprise Repository **Admin** screen.

1. Click **Import Export** in the **Admin** sidebar.
2. Click **Import / Export Client**.

The **Import / Export Client** launches.

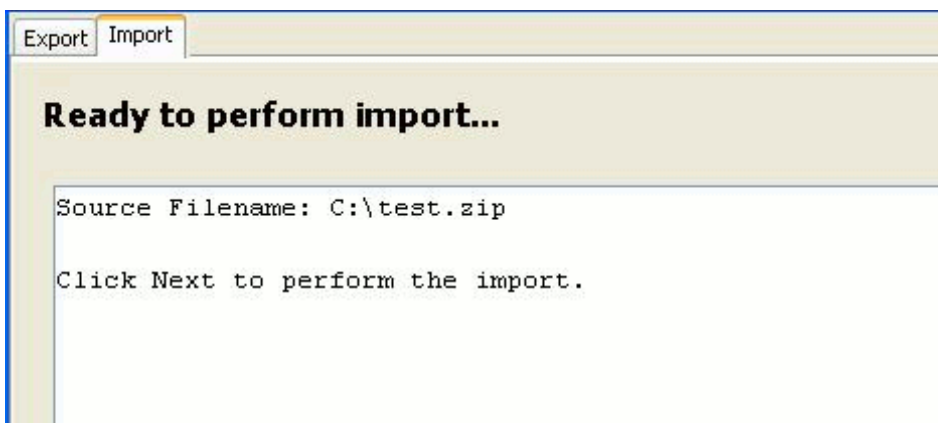
3. Click the **Import** tab.
4. Enter the appropriate filename in the **Select file to import** text box or click **Browse** to select the source file for the import.



The screenshot shows a web interface with two tabs: 'Export' and 'Import'. The 'Import' tab is active. Below the tabs, the heading reads 'Select source file from which to import...'. Underneath, there is a text input field labeled 'Select file to import' and a 'Browse' button to its right.

5. Click **Next**.

The selected source file is listed in the **Ready to perform import** pop-up.



The screenshot shows the same web interface with the 'Import' tab active. The heading now reads 'Ready to perform import...'. Below the heading, the text 'Source Filename: C:\test.zip' is displayed. At the bottom, it says 'Click Next to perform the import.'

6. Click **Next**.

A progress bar indicates the status of the import process. Variations in the size and complexity of the imported items will affect the speed of this process and the behavior of the progress bar.

A summary of the import is displayed on completion.

Performing import operation...

```
Performing import...
```

```
Import completed.
```

```
Audit results stored in:
```

```
C:\DOCUME~1\MWALLA~1\AME\LOCALS~1\Temp\import-13552.log
```

```
-----  
Audit for [Import job.] created on [2008-09-17 10:59:21 EDT].  
2008-09-17 10:59:21 EDT - Adding Import job with ID=[50002] to job queue.  
2008-09-17 10:59:22 EDT - Started Import  
2008-09-17 10:59:22 EDT - Found relationshipType named dependency  
2008-09-17 10:59:22 EDT - Found relationshipType named Deployment  
2008-09-17 10:59:22 EDT - Found relationshipType named Functional-Equivalent  
2008-09-17 10:59:22 EDT - Found relationshipType named Artifact-References  
2008-09-17 10:59:22 EDT - Found relationshipType named AssetsUsed
```

Note: When running the Import/Export tool, importing larger data sets may cause available memory issues. To avoid, save the **impexp.jnlp** file locally by right clicking on the Import/Export Client link and selecting "Save link as..." option from the context menu. Edit the **impexp.jnlp** file to increase the default max-heap-size amount to better accommodate the size of the data sets being imported. If the machine importing the data set has enough available memory, change the max-heap-size parameter to a higher value, as in the following example: `<j2se version="1.6" max-heap-size="1024m"/>`