

ArchiverReplicationExceptions Installation & Administration
Guide
10g Release 3 (10.1.3.3.2)

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ArchiverReplicationExceptions Installation & Administration Guide, 10g Release 3 (10.1.3.3.2)
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INTRODUCTION

OVERVIEW

This section contains the following topics:

- ❖ [About This Guide](#) (page 1-1)
- ❖ [Conventions](#) (page 1-1)
- ❖ [ArchiverReplicationExceptions Documentation](#) (page 1-2)

ABOUT THIS GUIDE

This guide provides all information required to install, set up, administer and use ArchiverReplicationExceptions version 10gR3.

CONVENTIONS

The following conventions are used throughout this guide:

- ❖ Forward slashes (/) are used to separate parts of an Internet address. For example, <http://www.google.com/maps>. A forward slash might or might not appear at the end of an Internet address.
- ❖ Backward slashes (\) are used to separate the levels in a path to a Windows server, directory, or file. For example, C:\ibr\refinery\. A backward slash will always appear





after the end of a Windows server, directory, or file path. For UNIX/Linux, reverse slash direction.

- ❖ File names and file paths within text are indicated by the following convention:
<filename> file in the <path_to_directory> directory.
- ❖ The notations <content_server_install_dir>, <cs_install_dir>, <install_dir> are used to refer to the location of the main Content Server installation directory.

Notes, technical tips, important notices, and cautions use these conventions:

Symbols

The following symbols are used throughout this document:

Symbols	Description
	This is a note . It is used to bring special attention to information.
	This is a technical tip . It is used to identify information that can be used to make your tasks easier.
	This is an important notice . It is used to identify a required step or required information.
	This is a caution . It is used to identify information that might cause loss of data or serious system problems.

ARCHIVERREPLICATIONEXCEPTIONS DOCUMENTATION

PDF Documentation

The ArchiverReplicationExceptions documentation is available as a set of PDF files. All of the PDF files are included with the Content Server software installation files. PDF files of guides are also installed along with the Content Server software:

- ❖ To view the PDF files from the content server computer file system, go to the following directory:

<install_dir>\weblayout\help\documentation\install_admin_are_10en

WHAT'S NEW

OVERVIEW

This section covers the following topics:

- ❖ [Product Enhancements](#) (page 2-1)
- ❖ [Documentation](#) (page 2-1)

PRODUCT ENHANCEMENTS

- ❖ The ArchiverReplicationExceptions component has been developed for Content Server version 10gR3 to allow administrators to better manage the Archiving and Replication Exceptions functions attendant to archiving and replicating between content server instances.

DOCUMENTATION

The following documentation is available for ArchiverReplicationExceptions version 10gR3:

- ❖ **Documentation Set**
The ArchiverReplicationExceptions documentation set contains the following documents:

- ***Archiver Replications Exceptions Installation and Administration Guide***—provides all information required to install, set up, administer, and use ArchiverReplicationExceptions version 10gR3.
- ***Archiver Replications Exceptions Release Notes***—provides the most current considerations for installing and administering ArchiverReplicationExceptions version 10gR3.

ARCHIVERREPLICATIONEXCEPTIONS OVERVIEW

OVERVIEW

This section covers the following topics:

- ❖ [About ArchiverReplicationExceptions](#) (page 3-1)
- ❖ [How ArchiverReplicationExceptions Works](#) (page 3-2)

ABOUT ARCHIVERREPLICATIONEXCEPTIONS

ArchiverReplicationExceptions is an optional add-on to Content Server. It enables administrators to prevent failed imports from stopping replication. It does this by capturing such failed imports and putting them into an "exceptions" archive and sending out email to the administrator that such a failed import has occurred..

This component is specifically designed to work with the Content Server 7.5.1 release or later. Installation of the component by means of the Component Wizard or the component manager is not required for version 10gR3.1 and above; it is offered in the list of optional components during installation. If required it may be added post-installation as well.

HOW ARCHIVERREPLICTIONEXCEPTIONS WORKS

A number of configuration entries must be manually added to the `install_dir/config/config.cfg` file to. The configuration entries define a variety of conditions to determine the level of error reporting, to direct failed imports to an exceptions directory, and to ignore and handle multiple failed imports when a systemic error is detected.

Parameters for both automatic and manual imports are provided.

SCENARIO

In this scenario an import of a document has failed because the content type “DOC” does not exist in the importing server. The error reporting level (ArchiverEmailErrorLevel) was set to collision, standard, severe, and the ArchiverErrorNotifyUser was set to sysadmin.

Example of an Archiver Import Failure Email Notification

Archiver Import Failure

There was a serious error during the import of a document which may prevent that document from being properly synchronized in state with the exporting content server. Content item 'test1' was not successfully checked in. The content type 'DOC' is not defined in the system.

Revision Being Imported

Collection: idc

Archive Name: ar1

Source Instance: idc

Batch Name: 07-sep-24_15.15.41_766/07267151541~1.hda

Content ID: test1

Title: test1

Author: sysadmin

Revision: 1

Release Date: 9/24/07 3:13 PM

Create Date: 9/24/07 3:14 PM

The Document Has Been Copied To An Exceptions Archive

Collection: idc

Archive Name: ImportExceptions

Batch Name: 07-sep-24_15.15.41_766/07267151541~1.hda

Total Captured In Archive: 1

ANOTHER SCENARIO

An import is being attempted but continually fails. The sysadmin is aware that there may be problems during the import, but does not want an email notification of every failure. By setting the `ArchiverMaxConsecutiveImportErrors` (default is 10), the sysadmin can set a number of failures that can occur prior to the cessation of email notification. Emails are sent until this number of errors is reached. If any import from the exporter should succeed before the set number is reached, or if the Content Server is restarted, the counter is reset to 0. Note that once the maximum number of errors is reached the automated import of the archive is aborted.

INSTALLING ARCHIVERREPLICATIONEXCEPTIONS

OVERVIEW

This section covers the following topics:

- ❖ [Pre-Installation Tasks and Considerations](#) (page 4-1)
- ❖ [Installing ArchiverReplicationExceptions](#) (page 4-2)
- ❖ [Uninstalling ArchiverReplicationExceptions](#) (page 4-4)

PRE-INSTALLATION TASKS AND CONSIDERATIONS

Make sure that you read, understand, and comply with each of the following tasks and considerations before installing the ArchiverReplicationExceptions components:

- The ArchiverReplicationExceptions component may be installed on any supported Content Server platform.
- ArchiverReplicationExceptions version 10gR3 requires Content Server Release 7.5.1 or later versions.
- Due to the technical nature of operating systems, web servers, and browsers, Oracle, Inc. cannot warrant compatibility with all versions and features of third-party products.

INSTALLING ARCHIVERREPLICATIONEXCEPTIONS

The ArchiverReplicationExceptions is delivered as a component. The component is installed on the content server. This section covers the following topics:

- ❖ [Installing the ArchiverReplicationExceptions Component Using Component Manager](#) (page 4-2)
- ❖ [Installing the ArchiverReplicationExceptions Component Using Component Wizard](#) (page 4-3)
- ❖ [Uninstalling ArchiverReplicationExceptions](#) (page 4-4)

Installing the ArchiverReplicationExceptions Component Using Component Manager

To install the ArchiverReplicationExceptions component using Component Manager, complete the following steps:

1. Open a new browser window, and log into the content server that is running the Admin Server for the content server as a system administrator.
2. Launch the Admin Server.
3. On the Content Admin Server page, click the button of the content server where you want to install the ArchiverReplicationExceptions component.
The status page for the content server is displayed.
4. In the option list for the content server, click the **Component Manager** link.
The Component Manager page is displayed.
5. Click the **Browse** button next to the **Install New Component** field.
6. Navigate to the ArchiverReplicationExceptions component on the content server distribution media (*ArchiverReplicationExceptions.zip*) select it, and close the file selection dialog.
7. Double click the component zip file or select the component zip file, and click **Open**.
8. Click **Install**. An overview page is displayed providing a list of the items that will be installed.

9. Click **Continue**. All required files are now installed. This might take a few minutes.
10. After all files have been copied, a message is displayed stating that the component was uploaded and installed successfully.
11. Click the link to enable the component and restart the content server.
The status page for the content server is displayed.
12. Click the restart button to restart the content server.

Installing the ArchiverReplicationExceptions Component Using Component Wizard

To install the ArchiverReplicationExceptions component using Component Wizard, complete the following steps:

1. Start Component Wizard:
 - ❖ In Windows, choose **Start—Programs—Stellent Content Server—<refinery>—Utilities—Component Wizard**.

The Component Wizard main screen and the Component List screen are displayed.



Note: For Content Servers hosted on UNIX, navigate to the `<install_dir>/bin` directory. At the command prompt, type `ComponentWizard`.

2. Click **Install**. The Install dialog is displayed.
3. Click **Select** and navigate to the ArchiverReplicationExceptions component on the Content Server distribution media (*ArchiverReplicationExceptions.zip*).
4. Double-click on the zip file or click **Open**. The Install list displays the files that will be installed.
5. Click **OK**. All required files are now installed. This might take a few minutes.
6. After all files have been copied, you are prompted to confirm enabling the component. Click **Yes**.
7. Close Component Wizard.
8. Restart the content server.

UNINSTALLING ARCHIVERREPLICATIONEXCEPTIONS

To uninstall the ArchiverReplicationExceptions component, perform these tasks:

1. Disable and uninstall the ArchiverReplicationExceptions component using the Component Manager.
2. Restart the content server
3. From the Admin page, restart the content server.
4. If desired, delete the following directories installed by this component:
 - *<cs_install_dir>/custom/ArchiverReplicationExceptions*

ADMINISTERING AND USING ARCHIVERREPLICATIONEXCEPTIONS

OVERVIEW

The information in this chapter contains the procedures necessary to use all of the features of the ArchiverReplicationExceptions component. This section covers the following topics:

- ❖ [Using ArchiverReplicationExceptions in Content Server](#) (page 5-1)
- ❖ [Setting Configuration Settings](#) (page 5-1)

Using ArchiverReplicationExceptions in Content Server

The primary purpose for this component is to allow filtering of failed imports so as to optimize the handling and notification of such failures. For content items to be processed by ArchiverReplicationExceptions, the administrator must manually set configuration entries in the *install_dir/config/config.cfg* file. The configuration variables customize the behavior of the importing content server to allow for certain situations and to distribute the error reporting based on the configured criteria.

Setting Configuration Settings

The following configuration variables can be used to customize behavior. These values should be set in the *install_dir/config/config.cfg* file under #Additional Variables.

Parameter	Description
IsArchiverCapturingExceptions	<p>The primary functionality of this component is not enabled unless this configuration entry is turned on. Default is false.</p>
ArchiverImportExceptionsArchiveName	<p>The name of the archive to hold failed imports. The archive will be created in the same archive collection as the archive that contained the document that failed an import.</p> <p>The default is "ImportExceptions".</p>
ArchiverMaxConsecutiveImportErrors	<p>The maximum number of consecutive import errors before the import of the archive is aborted.</p> <p>The default is 10.</p>
ArchiverErrorNotifyUser	<p>The user to notify when there is an import failure. The default is sysadmin. The email is generated only if the import error is at a level that is configured to generate emails (see ArchiverEmailErrorLevels or ArchiverManualImportEmailErrorLevels).</p> <p>The entry can be a comma separated list of user names, but all the user names have to be defined in the content server and have associated email addresses.</p>

Parameter	Description
ArchiverEmailErrorLevels	<p>The error levels at which an import error should generate email during automated import. The possible levels are as follows:</p> <p>collision - The import failed because an existing revision of a document blocked it. Usually this is caused by the importing revision having a release date (or create date depending on configuration) that is earlier than the date of the latest revision of an existing document.</p> <p>standard - The import failed because of a normal error. A typical such error would be a metadata field that has an invalid value.</p> <p>severe - The import failed because of a severe unexpected error in the content server. A typical reason for this might be a network failure to either the file system or database.</p> <p>The configuration entry is set to a comma separated list of any of the above values. If an automated import error occurs, it is classified in one of the above levels and if the level is in the list configured for this parameter then an email is generated for that error.</p> <p>The default is collision,standard,severe (or all).</p>
ArchiverManualImportEmailErrorLevels	<p>This is similar to ArchiverEmailErrorLevels except it applies to manual archive imports. A manual import is one directly driven by an end user or administrator and is not part of an import done by a "registered automated importer".</p> <p>The default for this configuration value is empty (or none).</p>

Parameter	Description
ArchiverCaptureExceptionErrorLevels	<p>A list of error levels for which an import error should capture a copy of the document and put it into the exceptions archive (see configuration entry ArchiverImportExceptionsArchiveName). If the document is captured then the error will not stop an automated import. This means that automated import will delete the document from the archive once the batch file containing the document has been fully imported. See ArchiverEmailErrorLevels for a list of error levels and how to configure the entry.</p> <p>The default value is collision,standard.</p>
ArchiverManualImportCaptureExceptionError Levels	<p>This is similar to ArchiverCaptureExceptionErrorLevels except it applies to manual archive imports (see ArchiverManualImportEmailErrorLevels for more on manual imports). If an import error is captured it is copied into the exceptions archive but it does not delete it from the originating archive. If the error is captured it will not count against the maximum number of errors allowed during a manual import (see the standard content server configuration entry MaxArchiveErrorsAllowed which defaults to 50).</p> <p>The default for this configuration value is empty (or none).</p>

Parameter	Description
ArchiveExceptionsMaxNumberDocuments	<p>The maximum number of documents that can be stored in the exceptions archive.</p> <p>Once this number is reached, then import failure will again prevent continued automated import. However, an email is sent to "ArchiverErrorNotifyUser" indicating that the import failed and that the exceptions archive is full. Unlike the other configuration entries, if you use an archive prefix (separated by a colon) to limit the configuration entry to a particular archive, the archive name must be the name of the exceptions archive not the archive with the originating documents being imported.</p> <p>The default is 50.</p>

Usage Considerations

By prepending any of the configuration entries with the name of an archive, with a colon (:) as a separator, that configuration entry will only apply to that archive. For example, to enable capturing exceptions for the archive "MyRemoteImportArchive", use the configuration entry `MyRemoteImportArchive:IsArchiverCapturingExceptions=true` in the `config.cfg` file. If an archive name prefix is not applied, then the value set is the global default for all archives.

The parameter [ArchiverMaxConsecutiveImportErrors](#), addresses the issue of skipping over errors and sending email notifications on the errors when the error is caused by a systemic problem (such as all documents having the same wrong metadata field on export). This results in numerous documents being unnecessarily captured and generating the attendant volume of unwanted email. This configuration entry helps detect such scenarios. During an automated import, if too many consecutive import errors are detected, then the current archive import is aborted. Manual imports follow the standard rules for maximum errors (see `MaxarchiveErrorsAllowed`). If any import (from any archive) is successful, then the consecutive import failure count is reset to 0.



Note: If the same document fails an import (twice or more) sequentially an email is sent out only for the first failure.

If the same document fails an import but is from a different batch load file, the email for it is not suppressed if an email for that document has already been sent for a previous error.



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