Oracle® Content Server

Release Notes

Release 10.1.3.5.0

CSREL

May 2010

These release notes outline new and enhanced features in this release of Content Server. In addition, they address a number of specific installation issues as well as special considerations that should be taken into account for this version of Content Server.

1 Updates Since Initial Content Server 10g Release 3 (10.1.3.3.0)

This section describes updates to software and documentation since the original publication of these release notes.

1.1 Running Services as a Specific User

During Content Server 10gR3 installation, the option to run the Admin Server and Content Server services as a specific user is offered. The correct syntax for defining a specific user takes the following form:

- Local user syntax is: username=.\[username]

- Domain user syntax is: username= [domain]\[username]

1.2 JDBC Driver Update Required

If you are updating from either Content Server version 7.5.2 or previous version, you need to acquire a new JDBC driver when installing this version of Content Server with Microsoft SQL Server. This is discussed in the Content Server Installation Guide.

If you are already using the new jTds driver, or if you use the Microsoft SQL Server 2005 driver, then you won't need a new jdbc driver.

1.3 New Virtual Content Repository Component

A new component used to support WebLogic Portal integration is added to Content Server called Virtual Content Repository, abbreviated as VCR. It can be uninstalled or disabled if you are not using WebLogic Portal integration.

1.4 Language Configurations

An MS Windows system that is running either an admin applet, or the server desktop running a standalone admin application, needs to have the desired language selected as the language of the desktop being used. On Windows XP

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Professional this is the choice list selection on the regional options tab. It is not sufficient that the language pack be installed. The language must also be selected as the language of the desktop.

1.5 Localized User Interface and Language Considerations

This version of Content Server offers a localized user interface. The following languages are supported: English, German, French, Spanish, Portuguese (Brazil), Italian, Dutch, Chinese (both traditional and simplified), Japanese, Korean, Arabic and Thai. The user interface language is automatically set to match the locale of the operating system. Please note that the software help is in English, regardless of the Content Server user interface language.

Multiple Localizations on Native Japanese Operating System

In some situations, enabling locales on a Content Server or Inbound Refinery installed on a native Japanese operating system can cause the interface to display in English. To correct this you can set the system locale to Japanese on the Localization tab of the System Properties applet. Do these steps:

1. In Windows, choose **Start—Programs—Oracle Content Server—**<*instance_name*>**—Utilities—System Properties**.

2. Select the **Localization** tab.

3. Select **Japanese** from the list of Locales and click **Enable**.

4. Click OK to close the System Properties applet and then restart Content Server.

Arabic Localizations

SQL Server 2000 does not support full-text indexing of Arabic. Content Server database full-text search capabilities are limited to those supported by the database being used, and so does not support full-text database search of Arabic on instances using SQL Server 2000.

Arabic words and characters contained in PDF or text files are not indexed, although any English in a file is indexed. If a minimal amount of English content is mixed with Arabic content, the Arabic content is full-text indexed. However, if lengthy amounts of English are interspersed with the Arabic content, none of the English nor Arabic content is full-text searchable.

Converting Arabic content to PDF is not supported using the OutsideIn option. To properly convert Arabic content to PDF using PDF Converter or Tiff Converter, set the Primary Web-Viewable Rendition to "Convert to PDF using third-party applications." Additionally, you can set the configuration variable UseNativeFormatInIndex=true in the Content Server config.cfg file to force indexing of the native file instead of the web-viewable file.

The SelectUser, Upload, and Download applets do not currently support RTL (right to left) languages.

1.6 Character Encoding

UTF8 File Encoding

Non-7-bit ASCII characters are allowed in filenames but are not supported in user names. The Content Server installation process now automatically sets File

Encoding to UTF8. If non-7-bit ASCII characters are needed in user names, the ExtranetLook component must be used to facilitate cookie logins.

Setting FileEncoding to a value other than UTF8 is not a supported configuration. Therefore, the suggested process for enabling non-7-bit ASCII characters in user names is to use the ExtranetLook component and cookie login.

Multiple Language Considerations

When setting up hardware for installation of Content Server, it is very important to choose an appropriate server character set. For example, if an intranet needs to handle both European- and Asian-language documents, it requires a Unicode server, because a single non-Unicode character set cannot support both at the same time.

1.7 Search Considerations

Page D-2 of the Content Server installation guides for both Windows and UNIX states that the default operator for metadata searches is set to *Matches* and recommends setting AllowMatchUseInternetSearch=1 in the config.cfg file. This is no longer required. Setting AllowMatchUseInternetSearch=1 causes queries to be parsed similarly to internet search engines, for example interpreting a space as an <AND> operator and a comma as an <OR> operator. This can be useful in some situations, but causes incompatibilities with SiteStudio Designer. If you are using SiteStudio Designer, do not set AllowMatchUseInternetSearch=1.

If using Oracle Text Search, Oracle 11g database version 11.1.0.7.0 or higher is required, and any sdata field is limited to a maximum of 249 characters. All optimized fields are sdata fields, which by default include dDocName, dDocTitle, dDocType, and dSecurityGroup. The total number of sdata fields is limited to thirty two (32). Note that without Folders_g enabled, the dDocTitle field is limited to 80 characters by default.

If using Oracle Text Search or Database Fulltext, the path to the *IntradocDir* should be set equal to a format `\\\\server\\share\\` instead of `//server/share` in order to index documents.

1.8 Uninstalling Content Server

Uninstalling Content Server is done from a command line interface only; there is no graphical interface provided for this function. The uninstallation of Content Server is covered in the *Content Server Install Guide for Windows/UNIX* . To properly uninstall Content Server, perform the steps contained in Appendix G.

1.9 Accessibility of the Content Server Interface

Pursuant to Oracle's commitment to accessibility in all of its applications, accessibility issues are addressed for this version of Content Server, including the following:

■ the top menu and tray menu interfaces are now fully accessible via keyboard and can be seen by screen readers as well. To implement this change, make sure to install the CoreUI and YahooUserInterfaceLibrary components and set `EnableAccessibilityMode=1` in the config.cfg file.

■ color-dependent indications of required fields are now supplemented with an asterisk (*) to indicate the field is required

- summaries are available for all tables

- pages are now set to a primary language

- labels have been added to form fields

- multi-select options are now accessible via the keyboard

- a 'skip to content' navigation link is provided

- alternate tags are now available for all images

> **Note:** Note that all of these changes are currently in the core Content Server only. Components may not yet be compliant.

1.10 Installation Updates

Either the 1.5 or 1.6 JVM is now required for update patches to 10.1.3.3.x releases.

For Solaris x-86: The jdk1.5.0_11 directory is missing in ./shared/os/solaris-x86/ and it does not have a jdk1.5.0_11 folder under ./shared/os/solaris-amd64/ path. To solve the problem, create a symlink of jdk1.5.0_11 folder in solaris-x86 directory. For example: ln -s <path to shared>/os/solaris-amd64/ <path to shared>/os/solaris-x86/jdk1.5.0_11.

Configuring Apache Web Server

To make the portal.htm page of Content Server the index when using Apache as your web server, set
`ApacheConfLocationSectionExtraText=DirectoryIndex portal.htm`
in the Content Server config.cfg file using a standard text editor. Please note the space between "DirectoryIndex portal.htm" when setting the variable. The config.cfg file is located in the `<install_dir>/<instance_dir>/config` directory.

Legacy Variable Definition

When upgrading from a Content Server 7.x version, make sure that the CLASSPATH and JAVA_OPTIONS variables are commented out of the *[CS-Install]/bin/intradoc.cfg* file subsequent to upgrading. To comment out a variable, precede it with a # sign. For example:

```
#CLASSPATH=$COMPUTEDCLASSPATH;$SHAREDDIR/classes/ojdbc14.jar
```

1.11 Component Updates

Folders_g

The Folders_g component replaces the previous Folders components to provide a hierarchical folder interface to content in Content Server in the form of "virtual folders" (also called "hierarchical folders"), similar to the folders tree in Windows Explorer. The Folders_g component replaces a number of Folders subcomponents automatically at the time of upgrade. You do not need to disable or uninstall the previous version or its subcomponents prior to upgrading to the Folders_g component, however the content server must be initially restarted twice after an upgrade. The first restart moves deprecated class files to a separate LegacyFolderPackages directory, but the deprecated files are initially loaded and remain in memory. The second restart clears the deprecated files from memory

and allows proper loading of the new classes. The deprecated class files are moved to *<install_dir>/classes/LegacyFolderPackages* and can be used if restoring a system to its previous state.

The Folders TRASH functionality is no longer enabled by default at time of installation. If you would like it enabled, you can do so during the installation process when prompted to set up optional trashbin settings.

PDF Watermark

This release includes the iText libraries (2.0.6) and has the iText Chinese/Japanese font library. The template editor has been upgraded with the names of the iText fonts.

PDF Watermark now supports the use of custom fonts. This is especially desirable for but not limited to Thai and for working with Arabic. To use custom fonts with PDF Watermark, perform these tasks:

1. Copy the new font to the <cs_root>/data/pdfwatermark/fonts/ directory.

2. Register the custom font with PDF Watermark by adding an entry (using a text editor) to PdfwCustomFonts ResultSet in the PdfwCustomFonts.hda file stored in *cs_root*/data/pdfwatermark. For example:

    ■ Enter a user visible "calling" name for the font, e.g., "Monotype Corsiva."

    ■ Specify the filename of the font file in /fonts/, e.g., "corsva.ttf."

    ■ Enter an optional Run Direction code. (For example RTL for right-to-left.)

3. Restart the Content Server in order for the changes to take effect.

4. Select the added font under **Font Name** when editing a text watermark for a template.

Inbound Refinery

Microsoft Office 2003 does not support conversion of Microsoft Office 2007 documents. If it is necessary to convert Office 2007 documents, Inbound Refinery must use Microsoft Office 2007 applications.

When using an Office 2007 version lower than 12.0.6504.5000, there is a known issue with improper placement of any converted hyperlinks. To avoid this and for best conversion results, ensure that the Office 2007 used by Inbound Refinery is version 12.0.6504.5000 or higher.

When running Inbound Refinery as a service, the Inbound Refinery Windows service should be configured to run as the Local System account and must be allowed to interact with the desktop.

Content Tracker

Minor changes to the User Interface correct the date formatting according to the user's locale; previously this was based on system locale.

A constraint exists in Content Tracker in regard to logging when using the ExtranetLook component.

The Content Tracker web server filter plugin runs in the authorization context of whichever user happens to own the thread on which a given request is being processed. In some cases, this is a system account. In others, it is a user, either the requesting user or some non-system account used by the application.

The user/system account which owns the request thread, determines the permissions the Content Tracker plugin has when trying to write a record to the static event log file(s), nominally located in *<cs_root>*/custom/ContentTracker/data/. If the user account has write access to this directory, the logging takes place. If it does not, the logging request fails and the access is not recorded.

To enable logging, ensure that the Content Tracker data directory path allows write access to all possible users. One recommendation is that the Content Tracker data directory allow unlimited write access, unless a specific reason exists not to. Otherwise you can grant World Write (or the equivalent) privileges for that directory.

JSP Integration

If enabling JSP Integration on a Content Server that is installed on HP-UX Itanium, you must first obtain and install the correct tools.jar. The correct tools.jar is available in the Java SDK distributed by Hewlett-Packard. For the latest Java SDK distributed by Hewlett-Packard, visit their website at http://www.hp.com/go/java.

FilterDataInput Functionality

In previous versions of Content Server, the FilterDataInput component was a sample product that added functionality to Content Server. That functionality is now rolled into Content Server 10.1.3.5.0. For information on FilterDataInput functionality and how to configure it in Content Server, go to http://metalink.oracle.com and search the knowledge base for note 746279.1.

2 User Documentation

Content Server 10gR3 comes with a comprehensive online Help system and a full set of PDF documentation.

The Help system can be accessed from the application or the file system:

- To view the Help system from the Content Server application, click on any Help link in the user interface. To see the full Help system, you need to be logged into the content server as an administrator. Otherwise you will just see the user help, which contains only a fraction of the information included in the administrator help system. (The Welcome link in the administrator online Help provides useful information on using the Help system.)

- To view the Help system from the file system, go to the *[ServerInstance_Dir]/weblayout/help* directory and start the file *wh_start.htm*. This starts the full administrator help. (The Welcome link in the online Help provides useful information on using the Help system.)

The documentation is also available as a set of PDF files, which is installed on the hard disk along with the Content Server software. A navigation menu is available to provide easy access to the documents. To open this navigation menu, start the file *[ServerInstance_Dir]/weblayout/help/documentation/start.pdf*. The full PDF documentation set is also available in the documentation distribution package for the software.

The "Tips for Usage" link opens a PDF document that provides useful information on using the PDF documentation set.

2.1 Documentation Updates

The following changes should be noted for the documentation for this release.

2.1.1 Content Server User Guide

The following fields are available in the Component Wizard Advanced Build Settings, but are not in the online Help:

■ Custom Class Path Load Order

■ Custom Library Path Load Order

■ Required Features

2.1.2 Content Server Planning and Implementation Guide

The section titled "Hardware Setup" in chapter 4 of the *Content Server Planning and Implementation Guide* (page 4-7), states that "If the intranet needs to handle both European- and Asian-language documents, separate servers need to be set up, since a single server cannot control both at the same time." This statement is inaccurate. If the intranet needs to handle both European- and Asian-language documents, care must be given to choose an appropriate server character set. It requires a Unicode server, since a single non-Unicode character set cannot support both at the same time.

Page 3-16 uses an outdated metric for the maximum number of content items a single instance of Content Server can manage. The current recommended maximum for a single content server varies depending on how content is stored and indexed, and how many custom metadata fields are used. For example, a single instance of Content Server storing content in an Oracle database and using OracleText for indexing can easily manage hundreds of millions of content items. If content with extensive custom metadata is instead stored on a file system and indexed using a third party search engine, the recommended maximum may be reduced. Contact Services for help in assessing your specific needs.

2.1.3 Idoc Script Reference Guide

■ It is not possible to issue a rsRename on a resultset if the target name already exists. For example, in rsRename("SearchResults", "MySearchResults") the call will fail if the MySearchResults resultset exists.

■ In the UCM IDOC Script Reference Guide, 10g Release 3, information for the getTextFile() function is incorrect. It is only necessary to provide the dID for this function.

■ The configuration variable AllowAllRedirectUrl is incorrect. The variable should be AllowAllRedirectUrls (Note the plural "s").

■ The configuration variable EnableSchemaPublishing is supposed to disable schema publishing when set to false. This does not work. The correct configuration variable entry is EnableSchemaPublish.

■ You should not archive and replicate the web viewable file of a document that has had the IndexVaultFile setting applied to it. The web viewable file is an HCST file with a redirect constructed to download the native file. The construction of the redirect includes a reference to the dID of the original document on the source system. Consequently, this reference will not be valid on the target system. If archiving and replication is to be done, then the

archive should be created without the option to archive the web file and `IndexVaultFile=true` should be set on the target system.

- On page 6-649, the example used for rsAppend is missing quotation marks on the parameters, which is incorrect. The correct example should be this: <$rsAppend("targetRsetName","sourceRsetName")$>

- The configuration entry example for MaxHitCount in the Idoc Script Reference Guide is incorrect. The correct example is the following:

```
MaxHitCount=500000
```

2.1.4 PDFWatermark Installation and Administration Guide

Page 4-3 of this guide incorrectly states in step 1 of the section *Installing the PDFWatermark Component Using Component Wizard* that you should start the refinery Component Wizard to install the PDFWatermark component. The correct step is as follows:

1. Start Component Wizard:

- In Windows, choose **Start—Programs—Oracle Content Server—**<*instance_name*>**—Utilities—Component Wizard**.

Page 5-14 of this guide states that the Edit button on the Configuration tab of the PDFWatermark Admin applet screen enables the user to specify the default values of the associated metadata fields. These default values are for the automatic template checkin process. For more information on these configuration settings, see the *Setting Configuration Settings* section on page 5-3 of the guide.

2.1.5 Inbound Refinery Administration Guide

Page 5-15 of this guide incorrectly describes the Server Host Name field as the "host name (IDC_Name) of the refinery." The correct description of the Server Host Name field is the host name of the server on which the refinery is installed. Using the name of the refinery instead of the name of the server on which it is installed prevents the provider from connecting to the refinery.

On page 9-3 and 4, the steps to configure a content server to manage refinery authentication are incomplete. If configuring a pre-existing refinery to authenticate using Content Server, you must first remove the refinery's web server filter. If your web server is IIS, then the ISAPI filter should be removed. If using Apache, then the reference to the filter should be removed from httpd.conf. After removing the web server filter, open the refinery config.cfg file in a standard text editor and add the following configuration variables:

IsProxiedServer=true

HttpRelativeCgiRoot=<*cs_install_dir*>

where <*cs_install_dir*> is the name of the Content Server installation directory. Proceed with step one as detailed in the *Managing Refinery Authentication and Users* section on page 9.3.

2.1.6 Services Reference Guide

In the Services Reference Guide, 10g Release 3, information for the following services is incorrect:

- CHECK_USER_CREDENTIALS

- QUERY_USER_ATTRIBUTES

These services do not return user data for Microsoft Active Directory-managed users when content server is configured to use ADSI. The services do however, return the user data for local users and external LDAP managed users.

DOC_INFO_BY_NAME_SIMPLE

The Services Reference Guide mistakenly does not document the DOC_INFO_ BY_NAME_SIMPLE service. Documentation for the service follows:

The DOC_INFO_BY_NAME_SIMPLE service retrieves information about the latest revision of a content item based on the content ID (the dDocName) as a parameter rather than the revision-specific dID parameter without workflow or subscription information. It returns revision information as a simple listing of rows from the Revisions table rather than a specific selection of fields from the Documents and Revisions table. These differences make this service a less expensive operation than the standard DOC_INFO_BY_NAME service.

By default, this service returns information for the latest revision, whether it is released or not. An item is not released until it is out of workflow. Optional parameters can be set to retrieve information about a specific revision.

Because it does not have a template it returns only raw data.

Access Level: Read, Scriptable (33)

Location: *IdcHomeDir*/resources/core/templates/std_services.htm

Additional Required Service Parameters
- dDocName: The content item name.

Optional Service Parameters
- RevisionSelectionMethod: Can be set to *Latest* to retrieve the most recent version, or *LatestReleased* to retrieve the most recently released version, or *Specific* (if set to *Specific*, a dID must be provided). If set to *Specific*, dID can be used instead of dDocName to point to a specific revision.

2.1.7 Reverse Proxy Server Resource Guide

The section **Configuring for Reverse Proxy** in Chapter 2, "Using Squid" of the *Reverse Proxy Server Resource Guide* defines certain parameters for Squid configuration that have been deprecated in recent Squid versions. Setting these parameters can cause errors when starting Squid. For the most current settings, see the documentation that came with your particular version of Squid, or visit the Squid website at http://www.squid-cache.org/.

2.1.8 Managing Security and User Access Guide

In the Managing Security and User Access Guide, 10g Release 3, the ExtranetLook component configuration entry CookieAuthTimeoutInMins does not necessarily enforce the time settings under all conditions; this is not clearly explained in the guide. If you wish the cookie and its timeout value to be updated when the user makes requests to the content server, set the configuration entry `CookieEnableAutoUpdateCookieTimeout=true` in the configuration file, then restart the content server and then the web server. Once this configuration entry is enabled, when CookieLoginPlugin receives a request, and the time left before the current cookie expires is less than the total original timeout period (specified by CookieAuthTimeoutInMins), the cookie is updated.

There is potential for confusion regarding parsed group names mapped to Content Server roles or accounts for LDAP and Active Directory security. Parsed group names that do not match a Content Server role or account prefix are ignored. Such group names may map to a role the content server is not using, but the map is still performed, and the role assigned to the user is retained. This information may be useful is some situations, such as for content server deployments where a role with no meaning on one content server (such as a master server) can still have meaning on another server (such as a proxied server).

Page 7-4 states "If a user name is defined both in Content Server and in the LDAP server, the Content Server user's password will take precedence unless the domain name is included as a prefix (for example, DOMAINNAME\user_name)." This statement is no longer correct. Including the domain name will prevent the content server from authenticating the user.

2.1.9 Active Directory LDAP Component Administration Guide

The Active Directory LDAP Component Administration Guide contains an error in the installation instructions. The installation procedure includes a step to download the Active Directory LDAP component file, ActiveDirectoryLdapComponent.zip, from the support site at http://support.oracle.com. The site URL is incorrect. The correct Oracle support site URL is http://www.oracle.com/support/index.html.

2.1.10 Folder Structure Archive Administration Guide

In the Folder Structure Archive Administration Guide, 10g Release 3, Chapters 1 and 3 contain an error. A note incorrectly states that "It is recommended that you use the Folders Structure Archive component in conjunction with the DocFolderArchiving component." At this time, you should not use the Folders Structure Archive component in conjunction with the DocFolderArchiving component.

2.1.11 The Folders and WebDAV Installation Guide

On page A-16, Section A.4.26 of the Folders and WebDAV Installation Guide, the default value for the CollectionSearchRecursiveContent setting is incorrectly stated as **false**. The correct default value is **true**.

2.1.12 Content Server International Considerations Guide

In "Internet Sites Hardware Setup" the statement "If the intranet needs to handle both European- and Asian-language documents, separate servers need to be set up, since a single server cannot control both at the same time." Instead, this statement should read:

It is important to choose an appropriate server character set. For example, if the intranet needs to handle both European- and Asian-language documents, it requires a Unicode server, because a single non-Unicode character set cannot support both at the same time.

Alternatively, multiple servers may be set up to serve the regions separately.

2.1.13 Modifying the Content Server Interface Guide

In the Modifying the Content Server Interface Guide, 10g Release 3, the CreateLayout sample component is no longer available for customer download.

2.1.14 Using WSDL Generator and SOAP Guide

Page 1-2 of this guide incorrectly states the following:

"The WSDL Generator component is available on version 7.5 and later of the Content Server. It is not supported on earlier versions. Customers needing SOAP and Web Services functionality on earlier versions should use the SOAP component, version 7.1."

Versions 7.x of the WSDL Generator component are no longer available for distribution. Only versions distributed with Content Server 10gR3 are available.

2.1.15 File Store Provider Installation and Administration Guide

Page 4-7 of the this guide provides an example of configuring a webless file store. Please note that the webless option of FileStoreProvider can specify that no web rendition be created. However, when used in conjunction with Inbound Refinery, a web rendition is always created and stored in either the file system or the database, depending on the storage rule in affect.

2.1.16 Oracle Text Search Component Installation and Administration Guide

Step 2 of page 2-5 of the this guide incorrectly identifies a configuration variable as EscapeChar, making the example incorrect. The correct variable is EscapeChars. The correct example is as follows:
(ORACLETEXTSEARCH)AdditionalEscapeChars=_:#

2.1.17 DTM Server and HTML Preview

The install information and instructions are for the Installshield installation which is no longer available. All installations are from the command line. After installation, you must also add the path to TCPreview.exe using the `PreviewPath` configuration variable in the intradoc.cfg file.

2.1.18 Collaboration Server

The ZonedSecurityFields variable is not automatically set after installation and the installation prompt has been removed. This is not discussed in the Collaboration Server documentation set.

2.1.19 Remote Intradoc Client (RIDC) Developer Guide

Page 1-2 of this guide provides an example for setting up the client object to set SSL parameters on the client's configuration, but neglects to specify how to get the client configuration object. The following line should be added to the example:
IntradocClientConfig config = (IntradocClientConfig) client.getConfig();

2.1.20 Search Sort Options Component Administration Guide

Step 5 on pages 2-1 and 2-2 of this guide incorrectly identifies the component being installed as OracleCaseInsensitiveSearch.zip. The correct name of the component is SearchSortOptions.zip.

3 Notice of Product Retirement

Oracle will no longer continue to release new versions of Oracle Content Publisher and Oracle Report Parser, beginning with UCM 11g and beyond. Released versions of these features will continue to be supported on respective

UCM and Content Server versions per standard Oracle support policies, provided they are running on the version of Oracle Universal Content Management Suite with which they were released, and that version of Oracle Universal Content Management Suite is still supported. For more information on Oracle's support policy, see http://www.oracle.com/support/.