Oracle® Fusion Middleware

What's New for Oracle WebCenter Content

12c (12.2.1.4.0)

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What's New for Oracle WebCenter Content

This section introduces the new features and enhancements of Oracle WebCenter Content.

12c (12.2.1.4.0) — January 2023

Feature	Description
Managing OpenSearch	OpenSearch is an insight engine offered as an Oracle-managed service. You can store, search, and analyze large volumes of data quickly and see results in near real-time. See Managing OpenSearch in *Administering Oracle WebCenter Content*.
Documentation update	There is new documentation to describe the Pretty JSON format. See About Pretty JSON Format in *Services Reference for Oracle WebCenter Content*.

12c (12.2.1.4.0) — October 2022

Feature	Description
Elasticsearch client is no longer shipped	The Elasticsearch client won't be shipped starting with the current release. You now have the flexibility to maintain the Elasticsearch library client jar and update the backend and the client in a synchronized way. Oracle will continue to test each quarterly bundle patch with the latest minor version of the currently supported version of Elasticsearch.
WebCenter Content Records	WebCenter Content Records - standalone is supported with Elasticsearch (same version as that of WebCenter Content) Elasticsearch certification for WebCenter Content Records includes ALL installation levels under standalone WebCenter Content Records. To configure record settings, go to **Administration** > **Configure Record Settings**. Then set the following values: • **Records Management Install Settings**: Stand Alone • **Installation levels**: Minimal / Typical / DOD Baseline, DOD Classified, CUSTOM

12c (12.2.1.4.0) — July 2022

Feature	Description
The object storage migration tool	The `OciMigrationWorkerThreadsPerNode` parameter can now take a maximum value of 10. If any higher value is provided, 10 will only be considered. See Configuration Parameters in *Administering Oracle WebCenter Content*.

12c (12.2.1.4.0) — April 2022

Feature	Description
Configuring OCI Object Storage	Earlier, WebCenter Content supported two document storage options: local file system or database. Object Storage is a new storage provider component that is now available in WebCenter Content to store documents. See Configuration for OCI Object Storage in *Administering Oracle WebCenter Content*.
Managing Object Storage Migration	The Object Storage Migration tool migrates the content from the WebCenter Content On-premise system to an OCI system. See Managing Object Storage Migration in *Administering Oracle WebCenter Content*.

Feature	Description
Elasticsearch	WebCenter Content supports all minor versions of the Elasticsearch 7.x product version starting with 7.6 and newer. Operation of Elasticsearch at patch level 7.17.1 was confirmed with the WebCenter Content April 2022 patch. See Configuring Elasticsearch in *Administering Oracle WebCenter Content*.

12c (12.2.1.4.0) — January 2022

Feature	Description
OCI Object Storage	A new storage provider component is introduced in this version of WebCenter Content for evaluation preceding its production release. This component enables WebCenter Content to leverage Oracle's OCI Object Storage service for content storage. This provides a feature equivalent alternative to the traditional file and database storage providers. An interested customer or partner can contact WebCenter Content product management by raising a support ticket and they will make the documentation available to them for feature evaluation.
Elasticsearch	WebCenter Content supports all minor versions of the Elasticsearch 7.x product version starting with 7.6 and newer. See Configuring Elasticsearch in *Administering Oracle WebCenter Content*.

12c (12.2.1.4.0) — July 2021

Feature	Description
Introduced JsonConverter component for the new JSON format	Previously, the Content Server provided a JSON format based on the `IsJson` flag. Now, to prettify JSON in a new format which will help applications like VBCS, SOA, OIC, etc. to integrate out of the box, a new parameter `IsPrettyJson` needs to be sent along with the regular service to return the response in the new format. If `IsPrettyJson=1`, it will return a new format. If you pass `IsJson=1`, it will return the old format. The old format will take the precedence if both flags are passed.

12c (12.2.1.4.0) — January 2021

Feature	Description
Configuring Trash	This new feature allows to configure FrameworkFolders component in On-premise Oracle WebCenter Content to enable or disable trash. See Configuring Trash in *Administering Oracle WebCenter Content*.
Configuring Elasticsearch	Support for securing Elasticsearch on Windows cluster and monitoring Elasticsearch cluster health are added. Also, updated the steps for securing Elasticsearch on Unix cluster. See Configuring Elasticsearch in *Administering Oracle WebCenter Content*.
Configuring Logout for ADFUI	You can configure WebCenter applications such as ADFUI for user logout. See Configuring Logout for ADFUI in *Administering Oracle WebCenter Content*.

12c (12.2.1.4.0) — October 2020

Feature	Description
Configuring Index Settings	This new feature allows to customize shards and replica counts for each Elasticsearch index. As per Elasticsearch design, each index in Elasticsearch would be mapped to a security group in WebCenter Content. See Configuring Index Settings in *Administering Oracle WebCenter Content*.
The desktop admin app	You can manage these Content Server administration applications using the desktop admin app: Archiver, Configuration Manager, Content Categorizer Administration, Data Engine Control Center, PDF Watermark Administration, Repository Manager, User Admin, Web Layout Editor, and Workflow Admin. You can also run the admin app in a browser via the native user interface. See Running Administration Applications via the WCC Desktop App in *Administering Oracle WebCenter Content*.
Configuring WebCenter Content for User Logout	You can configure WebCenter applications such as WebCenter Content Server, Enterprise Capture, and WebCenter Content: Imaging for user logout. See Configuring WebCenter Content for User Logout in *Administering Oracle WebCenter Content*.

12c (12.2.1.4.0) — July 2020

Feature	Description
Configuring WebCenter Content for Oracle Identity Cloud Services (IDCS)	To configure SSO with IDCS for WebCenter applications such as WebCenter Content Server, Enterprise Capture (console and client), WebCenter Desktop Client, WebCenter Imaging, and WebCenter Content ADFUI, see Configuring WebCenter Content for Oracle Identity Cloud Services (IDCS) in *Administering Oracle WebCenter Content*.
Configuring SAML 2.0 (IDCS) SingleSign-On	To configure SAML 2.0 SSO with IDCS for WebCenter applications including: • WebCenter Content Server • WebCenter Desktop Client • Enterprise Capture (console and client) • WebCenter Content ADFUI • WebCenter Imaging See Configuring SAML 2.0 (IDCS) Single Sign-On in *Administering Oracle WebCenter Content*.
Managing Elasticsearch	WebCenter Content communicates with Elasticsearch through REST APIs provided by Elasticsearch. WebCenter Content APIs/services exposed to users remain the same. See Managing Elasticsearch in *Administering Oracle WebCenter Content*.
Searching with Elasticsearch	The APIs and user interfaces are mostly untouched in Elasticsearch and rebuild time has reduced significantly. Users will also experience an improved and near real-time search response. See Searching with Elasticsearch in *Using Oracle WebCenter Content*.
Supporting Office 365 and Office 2019 for Desktop client	The Desktop client software integrates Oracle WebCenter Content into Microsoft Office applications. See How does Desktop client integrate Oracle WebCenter Content into Microsoft Office applications? in *Using Oracle WebCenter Content: Desktop*.
Migrating Oracle WebCenter Content to Oracle Cloud Infrastructure	Oracle provides a simple way to migrate most on-premises WebCenter Content/Imaging deployments to Oracle Cloud Infrastructure that doesn't require significant re-architecture, re-integration or business process changes. See About Migrating WebCenter Content to Oracle Cloud Infrastructure in *Migrating Oracle WebCenter Content to Oracle Cloud Infrastructure*.

12c (12.2.1.4.0) — September 2019

Feature	Description
`DISDefaultDocInfoTab` property	This property enables you to configure the windows explorer preview pane. If you set the value of this property to `IMAGE_DATA`, the Windows Explorer preview pane displays the document image data page. If you set the value to `RENDITION_INFO`, the Windows Explorer preview pane displays the document rendition information page. See Configuring Windows Explorer Preview Pane in *Administering Oracle WebCenter Content*.
NativeOsUtils	The NativeOsUtils component is now built on Microsoft Visual Studio 2013.
UA	• Oracle WebCenter Content User Experience: This video captures the capabilities and features of WebCenter Content User Interface. • Oracle WebCenter Content Overview: This video provides an overview of Oracle WebCenter Content.

12c (12.2.1.3.0) — July 2018

Feature	Description
Advanced Security	Introduced OracleAdvancedSecurityConfig component to handle the search-related QueryText validation for Core (GET_SEARCH_RESULTS) and FrameworkFolders (FLD_FOLDER_SEARCH) components. The OracleAdvancedSecurityConfig component is enabled by default. See Advanced Security Options in *Administering Oracle WebCenter Content*.
AutoSuggestConfig	The AutoSuggestConfig component is now configurable and can be enabled or disabled from the Component Manager page. See Enabling or Disabling a Component Using the Component Manager in *Administering Oracle WebCenter Content*. **Note**: If the AutoSuggestConfig component is disabled, the Auto Suggest feature of search fields in the WebCenter Content UI is hidden. The **Search** field in the side bar, folder picker, or library picker scenarios, such as copy, move, create shortcut, create saved search, and file document windows, is hidden. In addition, the **Banner Search Box** doesn't automatically prompt results when a search term is entered.

12c (12.2.1.3.0) — April 2018

Feature	Description
SAML-based Single Sign-On	Security Assertion Markup Language (SAML) enables cross-platform user authentication between applications. When users log in to the application that is configured as a SAML source, they automatically gain access to all the applications configured as SAML destinations without having to log in to each application separately. See Configuring SAML-Based Single Sign-On in *Administering Oracle WebCenter Content*.
New configuration variable	Introduced a configuration variable LM_preferoitrendering within the LinkManager component. If the value of this configuration variable is set to TRUE, OIT (htmlexport) uses the internal rendering engine to extract links from the content.

12c (12.2.1.3.0) — August 2017

Feature	Description
Universal Records Management (URM) Upgrade	With this upgrade, URM will no longer require a dedicated server but instead URM components will be consumed directly in the WebCenter Content server. A new option is introduced that allows you to enable full Records Management functionality on the Content Server, including Physical and External sources. See Configuring the Records Management in Content Server.
WebCenter Content User Interface: Annotations	The way you modify annotations has changed. See How do I modify annotations?
Other Miscellaneous Updates	• Java-based administration applets have been moved to Java Network Launch Protocol (JNLP). • Lift and shift of on-premise WebCenter Content to Java Cloud Service (JCS) to enable WebCenter Portal's migration to cloud. • Vertical Cluster support.

12c (12.2.1.2.0) — October 2016

There are no new features for 12c (12.2.1.2.0).

12c (12.2.1.1) — June 2016

Feature	Description
Trash	In the WebCenter Content UI, deleting items sends them to the Trash folder instead of being permanently deleted. See Deleting Libraries, Folders, and Documents.

Feature	Description
Hybrid Enterprise Content Management (HECM)	In the WebCenter Content UI, you can integrate Oracle WebCenter Content with Oracle Content Management to share, copy, and upload content to the cloud server and maintain an easy access to content on the go. See Working with Oracle Content Management.
Scan	The process of uploading documents through a scanner has changed in this release. See Uploading Documents from a Web Browser.
Upgrading Inbound Refinery	You can upgrade older versions of the Inbound Refinery (IBR) to the current release. Earlier, newer versions of Inbound Refinery had to be installed instead of being upgraded.

What's New for Oracle WebCenter Enterprise Capture

This section introduces the new features and enhancements of Oracle WebCenter Enterprise Capture.

See What's New for Oracle WebCenter Enterprise Capture in *Oracle WebCenter Enterprise Capture Release Notes*.

What's New for Oracle WebCenter Application Adapters

This section introduces the new features and enhancements of Oracle WebCenter Application Adapters.

12c (12.2.1.3.0) — August 2017

Feature	Description
Availability of two different web service implementations for Managed Attachments	Oracle Universal Content Management (UCM) and Application Extension Framework (AXF) provide the following web service implementations for Managed Attachments: • UCM web service implementation for Managed Attachments. See Configuring Elements for UCM Web Service Implementation of Managed Attachments and Configuring Communication for Managed Attachments Web Service. • AXF web service implementation for Managed Attachments. See Configuring Elements for AXF Web Service Implementation of Managed Attachments.

Feature	Description
Use of coherence instead of Java Object Cache (JOC)	Oracle Imaging and Process Management (IPM) and AXF uses coherence instead of JOC resulting in the clustering behavior change. See Clustering for AXF in Imaging Managed Servers.

12c (12.2.1.2.0) — October 2016

There are no new features for 12c (12.2.1.2.0).

12c (12.2.1.1) — June 2016

Feature	Description
Content Server Web Services for Managed Attachments	Enables to remove Application Extension Framework (AXF) dependency on Managed Attachments. It includes: • Setting up communication with 12c Content Server. See Configuring Communication with a 12c Server. • Configuring elements for Managed Attachments. See Configuring 12c Elements for Managed Attachments.
Customize Managed Attachments settings based on the E-Business Suite responsibilities	Ability to customize Managed Attachments settings based on the E-Business Suite responsibilities. See Customizing Settings Based on Users' Assigned Responsibility ID.

What's New for Oracle WebCenter Content: Imaging

This section introduces the new features and enhancements of Oracle WebCenter Content: Imaging.

12c (12.2.1.4.0) — January 2021

Feature	Description
Unified Viewer	The unified viewer is identical to the default viewer except that it provides a single toolbar in which both basic and advanced features are combined. Administrators must set the `ViewerAdfByDefault` MBean attribute to `true` in the MBean configuration to enable it for the users. The unified viewer doesn't require Java. See Configuring MBean Attributes in *Administering Oracle WebCenter Content: Imaging* and Viewing, Annotating, and Retrieving Documents in *Using Oracle WebCenter Content: Imaging*.

12c (12.2.1.4.0) — September 2019

Feature	Description
UA	Create Applications and Saved Searches in WebCenter Content: Imaging: This OBE illustrates how to create an Application and build a Saved Search by using Oracle WebCenter Content: Imaging.

12c (12.2.1.3.0) — August 2017

Feature	Description
User Interface Upgrade	Imaging has a new user interface (Alta skin). See User Interface in *Administering Oracle WebCenter Content: Imaging* and User Interface in *Using Oracle WebCenter Content: Imaging*.
Annotations Update	Annotations and supporting content associated with a document are treated as attachments.
Oracle Coherence	Java Object Cache (JOC) has been replaced with Oracle Coherence.
Imaging Managed Server	The imaging managed server which was earlier deprecated in 12.2.1 is now brought back in this release.

Whats New for Oracle WebCenter Forms Recognition

This section introduces a few notable features and enhancements of Oracle WebCenter Forms Recognition.

See also Oracle WebCenter Forms Recognition Release Notes

12c (12.2.1.4.200714) — October 2020

Feature	Description
AP Project 2803	AP Project 2803 with latest features and bug fixes has been released. See Oracle WebCenter Forms Recognition AP Project 2803 Release Notes for complete information.
Solution Configuration Manager	Solution Configuration Manager can manage configurations of multiple AP Projects. See Oracle WebCenter Forms Recognition Solution Configuration Manager User Guide for information.

12c (12.2.1.4.0) — September 2019

Feature	Description
Platform	• WebCenter Forms Recognition now supports Windows Server 2016. • WebCenter Forms Recognition now supports SQL Server 2016 SP1. • WebCenter Forms Recognition now supports Oracle 12c R2. • WebCenter Forms Recognition now supports .NET Framework 4.6. • Discontinued support for SQL Server 2008 R2. • Discontinued support for SQL Server 2012 SP2.
Brainware API	WebCenter Forms Recognition now supports the new Brainware RESTful API provides methods to upload and manage external documents to be further processed by Runtime Server. Refer to the *WebCenter Forms Recognition Brainware API Installation Guide* for more information.
Runtime Server	The Runtime Service Properties dialog provides a new option on the Import tab named ImportGroup. This enables the user to specify an import group to import documents from external batches created using Brainware API. Refer to *Processing of batches imported using Brainware API in WebCenter Forms Recognition Runtime Server Guide* for more information.
Document Filters	• WebCenter Forms Recognition now supports Document Filters 11.4.0.2822, which provides several updates and enhancements. • Added the method `TestString` to the `SCBCdrFormatEngine` class to enable calculation of the distance of an arbitrary text against a Format String expression.

12c (12.2.1.3.0) — July 2018

Feature	Description
QualitySoft Engine	`QualitySoft` engine now replaces `Recognita Barcode` engine for barcode recognition of PDF documents and images.
Platform enhancements	WebCenter Forms Recognition now supports: • Amazon EC2 • Integration of Document Filters 11.4.0.2480, which provides several updates and enhancements • Windows 10 • Oracle 12c Database • .NET Framework 4.5.2
Scripting	The following methods and properties are introduced: • `SetFieldFocus` method: Used to update HighlightField, HighlightColumn, and HiglightRow settings • `ExportToXML` method: Exports Workdoc data to an XML file with a specific format • `TestString` method: Enables calculation of the distance of an arbitrary text against a format string expression • `SkipDocumentReprocessingAfterMerging` named property: Improves performance when merging large documents • `DocumentBinarizationMode` property: Improves OCR results for grayscale and colored images • `SrchFlag` property: Enables the string construction rule options **Compare Case Sensitive** and **Keep Spaces Between Connected Words**
Web Verifier	Web Verifier now supports Google Chrome. It offers improved security by using SECURE or HTTPONLY attributes for all web cookies. Also, a few enhancements around the red highlight box are made.

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