

WebCenter 24.03 Release Notes

1. Introduction

The WebCenter 24.03 Release Notes provides an overview of the new features and updates in WebCenter 24.03. It only covers the changes since WebCenter 23.11.

Note: WebCenter 24.03 is an “**Agile release**”. See the [WebCenter Release Scheme](#) for details before planning an update to WebCenter 24.03.

If you are updating to WebCenter 24.03 from a version prior to WebCenter 23.11, we recommend reading the release notes of all newer versions to get a comprehensive overview of all the latest updates. You can find the Release Notes on the product DVD and the documentation page of WebCenter:

<https://www.esko.com/en/Support/Product?id=WebCenter&ver=24.03>

For System Requirements, see [WebCenter System Requirements - Product overview page](#)

1.1. Highlights of the 24.03 Release

WebCenter 24.03 adds support for viewing, editing, and approving artwork created for Variable Data Printing. This new (optional) module allows users to use the familiar WebCenter viewer to not only open variable data PDF files, but also to compose or change the variable data set directly from the viewer.

WebCenter 24.03 further extends the Named Configurations functionality. The WebCenter 24.03 release comes with a list of additional supported configuration items and improves on impact analysis UX and configuration management report functionality.

In the dashboard form builder framework, further scripting capabilities has been added, but the main highlights are the much-improved support for creation of tasks and (parameterized) workflows and the ability to freeze/pin columns in document views.

In search, the pinning of columns makes it more efficient to work with multi-column data directly in WebCenter. MS Office document text search has been added to the WebCenter content search functionality.

The updated WebCenter Viewer supports a much-improved Esko Collada format with faster rendering of repeated objects.

The new Resolve feature in the Discussions framework makes it easier to manage the state of longer lists of discussions.

A New Secure Download link option makes the existing Download link function safer, by adding an extra verification step to the download process.

In Esko SaaS, the Graphics Convert functionality now supports on-the-fly conversion of a range of graphics formats.

In the Assisted QA framework, support has been added for Global Vision Verify.

For Packaging Content Management (option), further optimizations are made to the rendering of large content sheets. Improvements made to the integration of Discussion into Content Sheet dashboards make this a strong tool for review and approval of content sheets.

The Structured Content Management module (option) comes with a new InDesign preview function allowing a user to see packaging and structured content data rendered directly in an

InDesign template in the WebCenter viewer. An update to the Structured Content editor brings improved support for editing of Right to Left (RTL) languages.

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3. Release Content

The release media of WebCenter 24.03 includes:

- The WebCenter 24.03 DVD (March 2024) that includes WebCenter 24.03 and ArtiosCAD 24.03 Enterprise installers ¹⁾²⁾³⁾.
- Esko Software 24.03 (March 2024) Engines Software Installation DVD with Automation Engine 24.03.
- WebCenter Release Notes (this document is also available on the installation DVD)
- ArtiosCAD Enterprise and WebCenter Documentation (PDF format).

- 1) *An update to ArtiosCAD 24.03 Enterprise build 2501 or later is mandatory for WebCenter 24.03 (on the application server only).*
- 2) *An update of the License Manager (installed from the ArtiosCAD installer) is mandatory when updating from WebCenter 23.11 or older.*
- 3) *Installation of boards and ArtiosCAD defaults is mandatory to work correctly with CAD documents in WebCenter.*

4. Licensing and IT Requirements

4.1. Licensing

WebCenter 24.03 requires WebCenter 24 licenses. You must install **ArtiosCAD 24.03** and the new licensing components that come with this installation. Both the Local License Manager and the Network License Manager must be updated.

4.2. IT Requirements

5. Knowledge Base

You can use the Esko Knowledge Base to find articles containing tips & tricks to Esko-related products.

Esko Knowledge Base (all products):

<https://www.esko.com/en/Support/Documentation/>

All articles related to WebCenter:

<https://www.esko.com/en/Support/SearchResult?product=WebCenter&Keyword=WebCenter>

To limit your search, edit the Knowledge Base Search field to contain both WebCenter and your criteria. The special keywords AND and OR can be used with brackets and wildcard characters (? and *) to refine the search.

6. New and changed features in WebCenter 24.03

6.1. Variable Data Printing Support (Option)

In 24.03 we introduce a module to support Variable Data Printing (VDP) in WebCenter. Users can manage and preview variable data in the WebCenter viewer.

In Variable Data Printing, a VDP Artwork is created that has Variable Data Objects. These objects display an image, pdf, barcode, or text. The Artwork is connected to a CSV dataset which controls what is shown in the Variable Data Objects. We call each line in the Dataset a Variant; each column is called a Variable.

When a user opens a VDP Artwork Template in deep zoom mode, VDP widget becomes available. Boxes indicate the Variable Data Objects in the artwork. It is possible to control in which mode the viewer should open a document using the VIEWER_MODE attribute on the document.

The Variable Data Printing Widget allows to inspect and update the connected dataset in the Viewer. You can step through Variants, see their preview, and make small changes. Variants can be edited, added, duplicated, and removed. In case the VDP Artwork Template is approved, the Variable Data Printing Widget is read-only. The widget provides VDP Preflight feedback.

It is possible to do VDP Preflight for a VDP Artwork linked to a dataset and assets. The node will run VDP Preflight on all variants of the dataset and return a VDP Preflight report. When the VDP Preflight report is available, it is shown in the VDP widget in the Viewer.

Notes:

- An Esko Cloud Connection is required to use VDP in WebCenter
- The VDP Artwork should be prepared in ArtPro+
- Fonts used for Variable Text Objects needs to be provided in the project of the Artwork as a zip file called fonts.zip.
- Images linked from the dataset should be placed in the project of the Artwork.
- User needs to have download permission on the dataset and fonts file.
- User needs to have view permission on the VDP assets.
- A VDP Start Kit is available as a Named Configuration to get started.
- "WebCenter preview and expansion of artwork variants for VDP" license is needed to view VDP artworks in WebCenter.
- For using the VDP Preflight workflow node the "WebCenter File Format conversions via Esko Cloud connection" license is needed

6.2. Named Configurations

6.2.1. Project/Template Configuration

Role Assignment Settings for Project Creation is now indexed, compared, and migrated.

6.2.2. Document Approval Setup Migration

The Document Approval Setup and Approval Setup for next Document Version is now migrated.

6.2.3. Support for Document Reference Values

Document Reference values for projects, tasks and documents are now indexed, compared, and migrated.

When migrating document reference files, only references to Documents that are stored in a Project/Template that is part of the Named Configuration are migrated. Document Reference Values pointing to documents outside the named configuration are filtered out.

The Named Configuration details page gives an overview is given of all referenced documents that will be ignored during import because they are external to the Named Configuration. You can easily include specific project to avoid losing document reference values.

Document references pointing to a specific version that is not the latest version of the document are cleared out on import, a warning about these reference values is given on the Named Configuration details page.

6.2.4. Meta data when importing/exporting Named Configuration

When a Named Configuration is exported, extra metadata is stored in the file about the system where configuration is exported (URL + version), the current date and time and the user that does the export.

When importing the named configuration, this information is shown on the impact analysis page to allow for better decision making. The audit trail message for the import operation includes the metadata from the exported file.

6.2.5. Improved Impact analysis before import

The import page for Named Configurations has been redesigned to do better impact analysis. It is possible to search and filter on the impact analysis page to quickly find what you are looking for.

Items that will be modified or added are clearly listed. Items that do not need modification are grouped to make the impact analysis table more user friendly.

For items that will be modified, it is possible to see a detailed comparison between the system and the imported file.

6.2.6. Import Log

The import log has now moved to a separate tab, the removes clutter on the import page and allowing for easy printing of the import log.

6.3. Dashboard Improvements

6.3.1. Do not close Task Dashboard pop-up when saving.

When saving a task from a Task pop-up, the pop-up will no longer close automatically. This enables easy intermediate save operations for end users.

6.3.2. Task Creation from Dashboard

It is now possible to create new tasks from a Dashboard. Add a Button, Inline Action or (document reference) Table Action to create a Task from a dashboard.

If the Task Type has a creation Dashboard assigned, a pop-up is shown so that the user can fill out initial task specifications before creating the Task. When there is no form shown, the Task is immediately started. When there is a form, you can use a "Start Task" or "Save" button to either start the Task immediately or just create it.

If a task is started from a document dashboard, it is possible to automatically attach the document. When creating a task from a document reference table action, it is possible to attach the selected documents.

6.3.3. Configuration for Table Bulk Actions for Document Reference

The configuration for Document Reference bulk Actions in dashboard has moved from More Options to Configure Actions & Sources panel.

6.3.4. Display attribute as multi-line field.

It is now possible to allow multi-line text entry for text attributes in Dashboards and search results.

When “show as multi-line” is enabled, user can input newlines, newlines are respected in the UI and when exporting to Excel.

6.3.5. On Document Added Script

It is now possible to add a “On Document Added” script to a document reference attribute in a dashboard form. The script is executed when a document is added, referenced, copied, or uploaded to the document reference by the user.

6.3.6. On Form Initialized Script

Dashboards now allow to define On Form Initialized Scripts. An On Form Initialized Script is executed when a dashboard form is initialized, the script can modify objects in the current context. The scripts can be configured on Project, Document and Task Dashboard that are in Edit or Create mode. It is not possible to define scripts for “View” dashboards.

Only On Form Initialized scripts defined at the root dashboard for Editing Form are executed. Scripts defined in sub dashboards of the same editing form are not executed, a warning is shown in the developer tools console to indicate this.

A root Dashboard for an Editing Form is the first dashboard in the page that has Edit/Create mode enabled, any nested dashboard will be part of the same editing form.

Changes made by On Form Initialized Scripts are not automatically saved, only when the user saves the form, the changes are stored in WebCenter and can be used to search on. The changes made by On Form Initialized Scripts are not seen as “unsaved changes” when navigating. For existing items, small indicator is shown at fields that are automatically changed by On Form Initialized scripts when the displayed value is different than what is saved in WebCenter.

6.3.7. Support for pinning columns for document references

When document references are displayed as List Layout in Dashboards, it is now possible for users to pin columns. A dropdown menu becomes available when hovering over the column header, allowing to pin/unpin a column.

The pinned state of columns is not yet remembered, but additional options will be added in next versions of WebCenter.

6.4. Search Improvements

6.4.1. Search for Text in Office Documents

The text search has been extended to also support MS Office documents made viewable with the “Aspose_to_Pixel” Viewable Other script (Esko SaaS option). If the option to Search for “Live Text” in PDF and (PDF compatible) Adobe Illustrator documents is turned on, this will automatically apply also to viewable MS Office documents.

6.4.2. Support for Pinned Columns in Search Results

When search results are shown in List Layout, it is now possible for users to pin columns. A dropdown menu becomes available when hovering over the column header, in the menu you can change sorting and pin/unpin columns.

The pinned state of columns is not yet remembered, but additional options will be added in next versions of WebCenter.

6.5. Download

6.5.1. Secure Download Links

Users can now enable email validation when sharing files with external users. This feature can be enabled by selecting the “Allow Project Members with Download permission to e-mail a link for authenticated download of a Document” box in the “E-Mail Notifications and Download Link” section of the Security settings admin page.

Once enabled a user can choose to create a secure download link when selecting a file. When creating the link, the user specifies one or many external email addresses. These users will be emailed with a link which will let them download the selected files after they validate their identity. When attempting to retrieve their files the user will be sent a verification code to their email address which they will need to enter to authenticate themselves and download the shared files. Download links will be good for a number of days as set in the “E-Mail Notifications and Download Link” section of the Security settings admin page.

Active Secure Download Links can be managed from the My Downloads Page. From this page the creator of the link, the manager of a project whose file is shared by the link, or an admin will be able to view currently active links and disable them.

If a user has previously emailed Secure Emails links those email addresses will be remembered for that user. When a new Secure Email link is being created the email recipient list will be a type ahead search field which can find and present previously used emails for selection.

6.5.2. Download As

As an admin I can create and manage Graphic Download Profiles. Graphic Download Profiles will allow a document with a Type of Image, Graphics or Other to be converted and downloaded as a PNG, JPEG or PDF. Created Graphic Download Profiles can be enabled or disabled for the entire system based on Document Type. They can also be enabled and disabled at the group or user level. Admins can further restrict a given Document Type to only allow a subset of extensions to be converted and downloaded. File types which can be converted are limited to file types which the convert service can accept as an input.

If Graphic Download Profiles are being managed at the user level the Apply User Preferences function of the User admin page can be used to quickly copy one user's configuration to another user. To use this, check the Download Formats option.

A file's native format will be added as a default Graphic Download Profile. This allows an admin to place restrictions on who can download the original file just as they would any other Graphic document. By default, all users who could download the original file will still be able to download the original file.

If a user has multiple Graphic Download Profiles available to them when they try to initiate a file download, they will be presented with a popup allowing them to choose which file type to download the file as.

6.6. Viewer Improvements

6.6.1. Improved rendering speed of 3D scenes with repeated objects

The 3D viewer was updated. The update brings performance related fixes. Models with complex (repeated) geometry will load significantly faster in the viewer.

6.6.2. Deep Zoom: Attribute and Approval widget

It is now possible to see approval details and the attribute category widget when in Deep Zoom mode.

6.6.3. Allow controlling which View Mode is used to open a Document

It is now possible to control in which Viewer Mode a specific Document should be opened. This can be achieved by defining an attribute **VIEWER_MODE** in the Attribute Category of the document. The value of the attribute controls in which mode the Viewer is opened:

- **Standard on Open:** the document opens in Standard View Mode. The User can switch to Deep Zoom Mode
- **Standard Only:** the document opens in Standard View Mode. It is not possible to switch to Deep Zoom Mode.
- **Deep Zoom on Open:** the document opens in Deep Zoom Mode. The User can switch to standard View Mode.
- **Deep Zoom Only:** the document can only be opened in Deep Zoom Mode. It is not possible to switch to Standard View Mode.

The attribute values are case sensitive.

6.6.4. InDesign Support

The Esko Viewer can now open InDesign documents. To enable this functionality your system must have either a PCM or SCM license, have an InDesign Server and have the INDD document type enabled. Documents of type INDD will open in the Viewer. If an INDD document is an Artwork Template created using the Esko INDD plugin and that template references content from a Content Sheet a user can click to apply the referenced content to the template and view the results in the Viewer. PCM Statements, Design Graphics and DITA Map content references are currently supported. When opening an Artwork Template, the viewer will have a new INDD panel which will show all of the Artwork Template Placeholders on the template. Clicking on the name of an Artwork Template Placeholder within the INN Panel will highlight the location of that placeholder on the document.

6.7. Workflow Improvements

6.7.1. Open Task Type Definition from Workflow Editor

In the Workflow Editor it is now possible to open the Task Type or Workflow definition of Task Nodes in the workflow.

6.7.2. Improved performance of the Copy/Move Document Node

The execution speed of the Copy/Move Document Node is greatly improved when moving/copying a document to a project containing a high number of documents.

6.8. Discussion Improvements

6.8.1. Resolve a Discussion

An option is added to discussions allowing a user to mark a discussion thread as resolved. Once the discussion is marked as resolved, it will become read-only, and no edits can be done on any existing messages. User can also unresolve a discussion thread which will set the discussion back to edit mode. When the discussion is marked as resolved/unresolved, the reason for resolved or unresolved will be added as a separate message to the discussion.

All the resolve/unresolve actions will be logged in project history as new event types.

A new filter is added to discussions, which is to show only unresolved discussions. By default, the filter is enabled. When disabled, all the resolved and unresolved discussions will be shown.

6.8.2. Performance Improvements

Loading, viewing, and adding discussions in projects with many members (directly invited or invited through groups) has been significantly optimized.

6.9. Email Notification improvements

6.9.1. Opt-out of Email Notifications

Users can now configure for which events within WebCenter they do not want to receive email notifications anymore. This can be done on the “My WebCenter” > “My Notifications” page. On this page the user gets an overview of all events that can send out email notifications in WebCenter, the user can stop receiving email notifications for an event by unchecking the checkbox.

It is currently not possible to opt out of email notifications sent by the Workflow Engine.

6.10. User Management Improvements

6.10.1. Promotion of Unregistered Users to Registered Users

It is now possible to convert unregistered users to registered users on User's Management page of WebCenter. The system automatically suggests conversion of unregistered user to registered user when an attempt to create a new user with username of already existing unregistered user is detected.

6.10.2. Logout User session when changing password

When a user changes their own password; all sessions of that user, except the one in which the password is changed, are logged off.

When the user creator and/or administrator change the password of the user, all the sessions of the user are logged off.

6.11. Packaging Content Management

6.11.1. Disable Discussions setting for Content Sheet Approval

We added a new option “Enable Discussions” to the Content Sheet dashboard block configuration. The option is enabled by default. When the option is enabled, a user can initiate a new discussion from the Content Sheet dashboard block. When the option is disabled, a user can no longer create a new discussion from the Content Sheet dashboard block, but any existing discussions will remain visible.

6.11.2. Default Discussion Participants for Content Sheet Approval

In order to automatically limit the number of participants in newly created Content Sheet Dashboard block discussions (feature introduced in WebCenter 23.07), it is now possible to predefine the participants when the Dashboard block is configured.

In the Content Sheet dashboard block configuration, the dashboard administrator can now select the default participants of new discussions created in the Content Sheet dashboard section. There are two sets of options: one for Text/Table Content documents and one for other type of documents. Default participants can be selected as all project members, selected groups, selected roles, or built-in PCM roles such as Editor, Approver and Content Manager (only for Text/Table Content items). Selected groups or roles will be resolved to the assigned members of the project and PCM permissions will additionally be combined with the individual PCM document permissions.

6.11.3. Resolve a Discussion for Content Sheet Approval

The new Discussions Resolve/Unresolve functionality is also available in the integration of discussions into the Content Sheet dashboard block. This will make it easier to maintain discussions as part of a Content Sheet review and approval cycle.

See section 6.8.1 for details.

6.11.4. Individually available language columns in Dashboard document lists

When a user adds Master or Translation text fields as available column in a document list dashboard configuration, this makes the individual context languages selectable in the “available columns” dropdown (+ button) in the rendered documents table.

6.11.5. Content Sheet Loading Performance Improvements

Noticeable enhancements in performance have been made when loading and rendering Content Sheets. The improvements are especially noticeable for larger Content Sheets and will apply to both the traditional Attribute Category/Task Specification views and the more recent Dashboard form rendering.

6.11.6. Repositioned Rich Text and Smart Text controls

The Text Content editor now shows all Rich Text and Smart Text controls at the top of the widget. The controls are visible only when the user is actively engaged with the editor, creating extra space for content.

6.11.7. General Editor UI Cleanup

In addition to the changed button layout mentioned above, a general cleanup of the Text Content editor UI has been made to improve the UX and visual appearance of text statements in a Content Sheet.

6.12. Structured Content

6.12.1. Revert Topic

If a Structured Content Editor has created a local copy of a Topic by choosing an option in the Variant tab (Create Local, Create Translation or Make Variant) they can now undo this action by choosing to Revert the Topic back to the library copy. This will remove the local file from the project and revert the reference to that topic to the library copy of that Topic.

6.12.2. Fonto Upgrade / Right to Left Language Support

Fonto has been upgraded to 8.6.0. This upgrade now has support for right to left languages such as Arabic and Hebrew. Right to left languages will be aligned to the right of the screen and the cursor will move to the left as the user types.

6.13. Assisted QA

6.13.1. InformalT integration made more robust

When using the InformalT assisted QA tool, the comparison document will be uploaded back to WebCenter, even when the WebCenter session for the user has timed out. This will only work if the time between the start and end of the InformalT assisted QA tool session is less than the Profile_Defaults field ‘QA_TOOL_SESSION_TIMEOUT’ which contains the duration in minutes. By default, the duration is configured to 24h.

6.13.2. Support for GlobalVision Verify

GlobalVision Verify is a cloud-based proofreading service. It is now possible to configure GlobalVision Verify as an assisted QA Tool. You can open the tool with documents from WebCenter, do inspection and send a report back to WebCenter.

6.14. ColorTrace Improvements

The following improvements to the ColorTrace solution are included in WebCenter 24.03:

- The “Save Document Colors in Attribute” workflow node was extended by a new option “Match on both Color and Book Name”. When this option is checked, the existing colors

from the library will be selected only if both the Color name and the Book name are matching.

- Updated CCAT (ColorCert Automation Tool) to version 2024.02 build 3

6.15. Email Notification improvements

6.15.1. Opt-out of Email Notifications

Users can now configure for which events within WebCenter they do not want to receive email notifications anymore. This can be done on the “My WebCenter” > “My Notifications” page.

On this page the user gets an overview of all events that can send out email notifications in WebCenter, the user can stop receiving email notifications for an event by unchecking the checkbox.

It is currently not possible to opt out of email notifications sent by the Workflow Engine.

6.16. Integration Improvements

6.16.1. WebCenter SDK extensions

- GetProjects.jsp has been extended by <showthumbnails> parameter. It is useful when there are no thumbnails of returned projects needed as then the maximum number of returned projects per page can be increased from 200 to 2000.
- Approve.jsp has been extended to support approval forwarding. The new parameters are forwardtouserid, forwardtousername, forwardtounregistered, replaceapprover and addauthenticatedurls.

Detailed description can be found in WebCenter SDK documentation, here are just the most important points:

- Approval forwarding to unregistered users via SDK is supported only in Concurrent license model, not in Named license model.
- Parameter addauthenticatedurls=1 extends XML output by authenticated URLs to documents under forwarded approval. The URLs are the same as the ones users receive in e-mail notification.

7. Installation and Deployment changes

7.1. Search Index Rebuild

It is recommended Discussions will not be visible without a Search Index rebuild when upgrading from any earlier version of WebCenter.

8. Additional Upgrade notes

8.1. Deprecated support for Score CAD file formats

Support for processing Score CAD files (file extensions vlm, and scb) uploaded directly to WebCenter will be removed in one of the coming versions of WebCenter (expected 24.07). These file formats are still supported by ArtiosCAD and can be converted and uploaded to WebCenter as ARD format files.

8.2. JasperReports Library upgrade

The JasperReports Library used by WebCenter was upgraded in WebCenter 24.03 to version 6.18.1. The relevant release notes can be found on these links: [6.4.3](#), [6.5.0](#), [6.5.1](#), [6.6.0](#), [6.7.0](#), [6.7.1](#), [6.8.0](#), [6.8.1](#), [6.9.0](#), [6.10.0](#), [6.11.0](#), [6.12.2](#), [6.13.0](#), [6.14.0](#), [6.15.0](#), [6.16.0](#), [6.17.0](#), [6.18.0](#), [6.18.1](#).

The library upgrade can introduce regressions in custom reports, it is highly advised to test your reports for regressions after upgrading to WebCenter 24.03.

Note: The legacy MS Excel 'xls' output format is not supported in WebCenter 24.03, the 'xlsx' format should be used instead.

9. Known Limitations

9.1. No support for mirroring CAD file when creating a CAD – Graphics 3D view

The new CAD - Graphics implementation in the WebCenter 23.11 Viewer does not support creation of a 3D view with graphics overlay if the CAD file is Mirrored compared to the Graphics file.

9.2. Integer 0 (zero) values are displayed incorrectly in Configuration Comparison

In the Configuration Comparison and the Named Configuration Impact Analysis functionality, some numerical fields, when compared, will display "Empty" instead of 0. This issue does not affect the behavior of integer attributes and specifications with value 0; these are shown correctly.

The issue will be corrected in the next release (WebCenter 24.07).

10. Solved customer issues

10.1. List of resolved Customer issues in WebCenter 24.03

JIRA Number	CS Number	Comment
WCR-61552	CS01598385	Fixed issue where private empty discussions were count as unread for users that are in the project manager group of a project
WCR-65262	CS01665130	Collada outputs will have the graphics properly mapped to the design.
WCR-66328	CS01676899	Toggling Deep Zoom no longer shifts the location of the annotations
WCR-68174	CS01698751	The error was happening in ListLayoutDataRow.js file. In 24.03 the file is completely changed, and we are doing the null check, which prevents this issue.
WCR-71813	CS01671229	Fixed an issue in WebCenter that made it impossible to remove ArtiosCAD draft subversions during the publishing of a new Version/Revision from within ArtiosCAD.
WCR-68301	CS01700909	Using tab to switch between form fields in a grid layout is now more natural
WCR-68443	CS01702086	Fixed issue with loosing changes made to JavaScript button when switching between cells in Firefox
WCR-68488	CS01704282	GetProjects.jsp has been extended by <showthumbnails> parameter. It's useful when thumbnails of returned projects are not needed as then the maximum number of returned projects per page can be then increased from 200 to 2000. Documentation has been updated and made clearer too.
WCR-68942	CS01704765	Content change save action was getting added after State change save action, which was throwing error.
WCR-69145	CS01713196	When the user applies a finishing profile the 3D viewer looks black instead of showing the graphics properly. This happened only for some PDF's. Fixed in WebCenter 24.03.
WCR-69268	CS01706728	ArtiosCAD Canvas documents can be now opened in ArtiosCAD directly from WebCenter interface when referenced by Document Reference attribute too.
WCR-69475	CS01713227	The create project workflow node can now be used again to copy documents to projects that already exist.
WCR-69624	CS01708308	Improved performance for marking all discussions as read/unread and watching/unwatching all discussions
WCR-69655	CS01717919	Loading of complex Task Execution page and Task Specifications is more reliable.
WCR-69834	CS01720687	Search & Dashboards now have support for multi-line text attributes
WCR-69879	CS01723339	Fixed issues when copying long URLs from discussions
WCR-69962	CS01734740	Adding items to a document reference in the dashboard framework would fail if no Packaging Content Management license were found.
WCR-70066	CS01735275	Fixed issue with changing channel colors for Digital Film files
WCR-70123	CS01737461	When generating a 3D perspective of graphics + collada in 23.11, an error was thrown in the viewer when the CAD_OFFSET_X, CAD_OFFSET_Y and CAD_ORIENTATION reference properties were not set. This is now fixed; no error is thrown.
WCR-70430	CS01736405	Solved issue that was blocking the user from saving a Dashboard Form in specific configurations when a Dashboard

JIRA Number	CS Number	Comment
		is reused in multiple nested levels in combination with different Dashboards for Drilldown
WCR-70678	CS01740468	When there is a document with an ongoing approval cycle, and then trigger the search crawling somehow (e.g. by setting an attribute on the document), there will be an extra approval task in search that is 'pending'. Once the approval is completed this extra approval task will become 'cancelled'.
WCR-70716	CS01734972	Approval information returned by GetDocumentHistory.jsp SDK call now contains approval comments as well.
WCR-70795	CS01746644	Fixed issue where scrollbars would jump on screen while inspecting tokens of a running workflow in Firefox
WCR-71044	CS01741075	Fixed issue where Export to Excel was cached by the browser and downloaded the previous Excel downloaded by the user again.
WCR-71110	CS01748984	Fixed an issue where WebCenter was preventing the upload of certain ZIP files.
WCR-71123 WCR-71129 WCR-71948	CS01750212 CS01749027 CS01756745	Fixed issue in Attribute Category that breaks processing double digit dates in Firefox 121 and up
WCR-71127	CS01750300	Search crawling for "Any level" references could create a search crawler queue bottleneck. A new service option allows for excluding specific attributes from the crawling.
WCR-71479	CS01756944	Solved issue that search index could stop working when indexing values with large number of spaces
WCR-71499	CS01755947	In Jasper Report, single quote was displaying as ' in text. Now it appears as ' actual character.
WCR-71568	CS01751778	Fixed an issue where WebCenter was not making converted files available to the user until 30 minutes after the conversion.
WCR-71851	CS01757235	Fixed an issue with translations in the xdrop package used in dashboards
WCR-72084	CS01764969	We improved compatibility of archiving of documents and clean-up features in WebCenter.
WCR-72098	CS01752735	Solved issue when Approval would not work in the Viewer when Digital Signature is required in combination with SSO authentication and limit annotations for approval users only
WCR-72489	CS01758751	Improved stability of document downloads when downloading a document over a slower internet connection
WCR-72504	CS01739457	Fixed issue where WebCenter would go out of memory when running many searches (LRUQueryCache).
WCR-70689		Fixed issue where triggering a manually triggered selective re-index to fix issues with the search index can slow the crawler queue to a standstill for hours, days or weeks, depending on the amount of items that need to be updated. In practice this just meant the search crawler stopped working and the server needed to be restarted.
WCR-70727		Fixed stability issue where Search Crawler stopped processing (stability issue introduced in 22.07, but extremely unlikely to ever happen)