WebCenter 23.07 Release Notes

1. Introduction

The WebCenter 23.07 Release Notes provides an overview of the new features and updates in WebCenter 23.07. It only covers the changes since WebCenter 23.03.

Note: WebCenter 23.07 is a "**Long Term Support (LTS) release**". See the WebCenter Release Scheme for details before planning an update to WebCenter 23.07.

If you are updating to WebCenter 23.07 from a version prior to WebCenter 23.03, 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=23.07

For System Requirements, see WebCenter system requirements - Product overview page

1.1. Highlights of the 23.07 Release

WebCenter 23.07 further builds on the Named Configurations concept introduced in WebCenter 23.03. Named Configuration functionality will be extended in coming WebCenter releases, but the WebCenter 23.07 release already provides a practical way to organize, navigate, and understand changes in various WebCenter configurations. A framework for exporting and importing Named Configurations is now included that also makes this a powerful tool to backup configurations or moving configurations from one system to another.
To help better manage transfer of configurations from one system to another, the System Compare tool was further extended in this release.

In the dashboard form builder framework, support for "deep copy" adds the ability to handle more complex use cases with Dashboards and Inline Editing.

For Esko SaaS deployed WebCenter installations, the File Convert cloud service (integrated into the WebCenter workflow engine) is extended with basic support for conversion of Microsoft Office files. Also new in Esko SaaS is the direct support for viewing and annotating the most popular video formats in the WebCenter viewer. Contact Esko, if you want this functionality enabled on your Esko SaaS instance after upgrading to WebCenter 23.07.

For Packaging Content Management (option), two major improvements were included in this release: content sheet discussions and a fully reworked UX for configuring and updating Nutritional Facts Tables.
The ability to add discussions on individual content items and even individual translations from inside the Content Sheet dashboard block will make this dashboard feature a more powerful tool to review and approve content sheets.

The Structured Content Management module (option) in WebCenter is further extended with valuable features for authoring, reviewing, and outputting complex packaging data like Leaflets and Instruction for Use documents. A fully reworked editor and "just in time" loading of content greatly improves the user experience of working with large, complex documents.

For administrating WebCenter, the new "Administrator Group Rights" functionality offers the ability to delegate administration of specific areas of WebCenter to a specific group of people without making these "full administrators" of the WebCenter system. In its current form, the functionality offers flexible access to managing important areas of WebCenter like Company/Locations, Global Saved searches etc. Additional extensions of the "Administrator Group Rights" concept are planned for future release.

2. Contents

3. Release Content

The release media of WebCenter 23.07 includes:

- The WebCenter 23.07 DVD (July 2023) that includes WebCenter 23.07 and ArtiosCAD 23.07 Enterprise installers [1)2)3)]
- Esko Software 23.07 (March 2023) Engines Software Installation DVD with Automation Engine 23.07.
- WebCenter Release Notes (this document is also available on the installation DVD)
- ArtiosCAD Enterprise and WebCenter Documentation (PDF format)

1) *An update to ArtiosCAD 23.07 Enterprise build 2334 or later is mandatory for WebCenter 23.07 (on the application server only).*
2) *An update of the License Manager (installed from the ArtiosCAD installer) is mandatory when updating from WebCenter 23.03 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 23.07 requires WebCenter 23 licenses. You must install **ArtiosCAD 23.07** 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

There are no new IT requirements compared to WebCenter 23.07 but note that a search index rebuild is mandatory aft upgrading to WebCenter 23.07.

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 23.07

6.1. Named Configurations

6.1.1. Migration of a Named Configuration between systems

A new framework for migrating configuration is introduced in WebCenter 23.07. A Named Configuration can be exported and imported into a different system.
The new migration tool does a thorough dependency analysis and can migrate complex configurations within a single import.

Before the import is started, an impact analysis is shown: each item in the exported Named Configuration is compared with the target system. The overview shows which items are equal,

different, or missing on the target system. Items that are equal will not be updated during the import.

For a full list of all the supported items that can be migrated using Named Configurations, please see KB397287490: WebCenter - What is supported in Named Configurations?.

6.1.2. Extended support for creating and comparing Named Configurations

- Project Members and Permissions are compared when using the Named Configuration comparison. They are also migrated in the Named Configuration import/export.
- Named Configurations now support Groups as Project Managers.

6.1.3. System Compare

System Compare now has a reduced risk of marking items as different when they are logically equal. This is achieved by remapping environment specific database identifiers during comparison.

Note: The System Compare compares the most important items in the system but does not have a full system coverage. To have a full overview of what exactly gets compared, please see KB447153488: WebCenter - Configuration Comparison: Known gaps and limitations.

6.2. Dashboards & Search

6.2.1. Deep Copy Support in Dashboards and Inline Editing

It is now possible to enable deep copy (“*Copy with all references*” and “*Copy with local references*”) when adding a source that does a copy operation.

“Copy with all references” will copy all referenced documents to your target project.
“Copy with local references” will only copy referenced documents that are also located in the source project.

The usage of document templates is now more explicit: it is possible to disable document templates, to use a fixed document template or to choose a default document template based on the file extension.

When a document template is used in combination with deep copy, also references from the document template will be copied into the target project.

Currently auto adding of languages is not yet supported for deep copy.
To avoid naming conflicts for the copied document, configure auto naming for documents in your target project.

6.2.2. Clear indication of attribute name and label

The dashboard builder and search setup page now clearly indicate both attribute name and label in the configuration panels.

In the dashboard builder, the configuration panel now also clearly indicates whether the field is a project/document or task field.

6.2.3. Project Keyword Search enabled in Document and Task Searches

Users can now use Project Keywords as a filter for a Document or Task Searches.

6.3. Administrator Group Rights

WebCenter 23.07 allows a more granular way of assigning administrative rights to users.

Before WebCenter 23.07 you could only choose to make a "full" administrator (a user with the rights to change anything within WebCenter" or user that does not have administrative rights. Starting from WebCenter 23.07 it is now possible to assign administrative rights to a group in WebCenter, the users of that group will then be able to make changes on the items for which they have been granted rights.

Example: if I have a group called "My Group" and a user called "My User". If I, then assign "Attributes" rights to the group "My Group" and add the user "My User" to the group.
The user "My User" (and all other members of the group "My Group") will be able to add/delete/remove any attribute in the system. Those users will not be able to change anything else in the administrator section of WebCenter.

The navigation menu has also been adapted to ensure that users who are granted administrator rights can only see the items in the navigation menu to which they have been granted access.

The following administrative rights can be granted to a group:
Access Management:
        Users
        Groups
        Roles
        Companies
CAD:
        Download Formats
        Boards
Setup:
        Characteristics
        Attributes
                Attributes
                Attribute Categories
                Restricted Sets
                Lists
        Search
        Preferences
                Dashboards
                Menus
Project Management
        Templates

Note: In the Named User licensing model, if a user belongs to a group with Administrator Group Rights, they will be considered an Administrator User and require an Admin/PM license.

6.4. Cleanup Tool improvements

6.4.1. Skipping User cleanup

In WebCenter 23.07, the Users that are marked as deleted will no longer be cleaned up when running the cleanup tool.
The reason why we made this optimization is that in previous versions of WebCenter if the user submitted any work on the system (e.g., being part of an approval cycle, uploading a document, …), the cleanup tool would check the dependencies for the user and fail cleaning up the user since there were still dependencies referring to the user. Since this check for dependencies is quite time consuming and that not a lot of users did not have any dependencies (so that they could be cleaned out), we decided that it would be better to skip this user cleanup step all together.

The old behavior of the cleanup tool can be restored by adding or setting the "WC_CLEANUP_USERS" profile default field to true.

6.5. Structured Content Management

6.5.1. Importing Translated Statements

On import of a Structured Content package if a user imports a Statement which exists in the system but does not share a language code with the current import a new statement value for the imported language will be created and added to the existing statement.

6.5.2. Copying Structured Content Comments

If a user has made comments describing the necessary future changes to a document within the Structured Content Editor those comments will now be kept if a user copies the document containing those comments into their local working project. This copy will be initiated within the Structured Content Editor by using the Copy Local, Variant, Translation or Variant Translation options.

6.5.3. Just In Time Loading for Structured Content Documents

When users open DITA Maps, the documents within those maps will now be loaded on demand as opposed to loading all the documents at once. This will allow users to interact with the document within the Structured Content Editor sooner. Document Titles for the entire Root Map will also be loaded so the user can navigate to the document they wish to edit. Unloaded documents will be loaded as the user clicks on or scrolls over the document. Referenced documents will be loaded when content which references that document is loaded.

One drawback in this approach is that initial searches may be slower as not all documents are loaded, and searches can only be performed against loaded documents. To help make this easier WebCenter will do a pre-search to help the Structured Content Editor load the documents which contain the search string.

6.5.4. Concurrent License Support for Fonto

WebCenter can now be offered with a Concurrent license for Fonto. At the time a Structured Content Editor or Review session is launched the system will check how many unique users are using Fonto. If the number of unique users with an "Edit" or "Review" session exceeds the respective Concurrent License count for either Editors or Reviewers that user's session will display a banner stating that the license count has been exceeded. The user will be able to use their session, but this state will also be flagged to Esko.

Admins will be able to see how many Concurrent Editor and Reviewer licenses are available to them from the page.

When using Concurrent licensing for Fonto users still need to be added to the SC_EDITORS and SC_REVIEWERS roles but the number of users allowed to be in each role is not limited.

WebCenter instances can have different models for WebCenter and Fonto. Names WebCenter instances can support either a Named or Concurrent license model from Fonto.

6.5.5. Compare Versions

As a user when I am choosing a new version of referenced content, I will now be shown a difference between the selected version of the content and the current version of the content. This will help me see the differences between versions.

For text changes removed text will be struck through and new text will be double underlined. For objects such as images and references the data will be surrounded by a box with a symbol to denote if the content was added or removed. Changes within tables will show as the entire table being added and removed.

6.5.6. New Outline Icon: Out of Date Reference

The outline of the Structured Content Editor will now show a new status if the Document contains an outdated Content Reference. If there is more than one status on the document expanding the outline and clicking on the status icons will list all the statuses on the document.

6.5.7. Fonto Upgrade

Fonto has been updated to the Fonto 8.4 release.

6.6. Packaging Content Management

6.6.1. GS1 Workflow node.

In the Export to GS1 Format workflow node, a new option, "Language Sequence" has been added. "Language Sequence" has a smart name enabled text field to enter a language list (separated by ",", ";", or " | "). Local Instance numbers will be assigned automatically to the languages in the order they are listed – starting with Instance number 1.
The radio buttons (Locale/Language Mapping & Language Sequence) are used to choose between the previously existing "Locale/Language Mapping" and the new "Language Sequence" way of doing the mapping. The "Locale/Language Mapping" option is selected by default and existing workflow nodes of this type will continue working as before.

6.6.2. Support resolve action in Update text/table content workflow

In Update Text Document and Update Table Document workflow nodes, a new option, "Resolve SmartNames" is added to support automated resolve of Text and Table Content with smart names. When this option is enabled, all the elements which contain smart names in the Text/Table Content will be resolved. For new and existing workflow nodes of these types, the option is off by defaults and existing nodes will work as before.

6.6.3. Allow commenting in Content Sheet dashboard block

In the Content Sheet dashboard block, it is now possible to add comments for individual content documents and language elements. The comments will be added as Discussions to the Content Sheet document. A discussion icon will be shown with a badge that shows the number of discussions on the item; if it is empty the icon will be shown on hovering only. Clicking the icon will open a discussion widget in a popup view. The discussions are filtered based on specific content document and language element context and the relevant content item details such as document name and language are also shown in the discussion panel.

6.6.4. Table Content: Grid Layout Preview - Visualize Indentation

In the Table Content Preview settings page, a new option "Indentation Symbol" is available for Grid Layout. "Indentation Symbol" allows entering one or more characters to be used to represent a single indentation in the grid preview. If set,

6.6.5. Table Content: UI/UX Revamp

The Table Content page is revamped to improve the UX of loading large NFT (Nutrition Fact Tables) and ease the adding and removing the elements. The revamped page is more compact. Only a single table widget is shown in content edit mode (NFT) having a language dropdown to choose the language for the widget. On click of any element, a popup appears allowing the user to edit the element. It is possible to add an element in a particular empty cell by clicking on "Add Cell" button. In Table Content settings there is no layout option and by default, only Grid Layout is supported.

6.7. Audit Trail Improvements

6.7.1. Project History: support for old and new value

In WebCenter 23.07, if the option to add changes to document, project attributes or task specifications to the project history is turned on, the history will now show both the old value (before the change) and the new value (after the change) for the attribute/specification.

Note: only changes to attributes/specifications done after the upgrade to WebCenter 23.07 will show the old and new value. Changes made to attributes in older versions will still only show the new value.

6.8. File Type Conversion (Esko SaaS Option)

6.8.1. Microsoft Office File Conversion

Users can now use the File Type Conversion workflow node to transform a Microsoft Office file (Word, Excel, or PowerPoint) to a PDF, JPEG or PNG.

6.8.2. Video Previews

When a user uploads a Video file to WebCenter, it will be transcoded so it can be played using the WebCenter Viewer. See the Documentation for more details on supported video containers and codecs.

For legacy Videos uploaded prior to 23.07, the transcoding will be started when the user tries to view the video file.

6.9. ColorTrace Improvements

The following improvements to the ColorTrace solution are include in WebCenter 23.07:
- The "Create ColorCert job" workflow node is now respecting the incoming master/spot color order.
- The workflow/rule engine JavaScript API is extended with a new DocumentVersion "createColorDocumentThumbnail" call to allow updating thumbnail from color attributes.
- Better support for PantoneLive Book name changes. The previous Book name is no longer shown.
- Updated CCAT (ColorCert Automation Tool) to version 50.2.2 build 3.

6.10. Performance Improvements

6.10.1. Database loading of "My work" sections

The loading mechanism of My Works sections responsible for showing ongoing approvals/tasks has been completely rewritten to improve loading times and reduce the load this functionality creates on the database.

Due to the changes to the loading, there are some minor changes to the behavior as well:
- If a given user has more than 500 ongoing approvals or 500 ongoing tasks, the sorting of the Results will no longer work over his full list of ongoing approvals/tasks. The sorting will work as follows: let's say that the user tries to sort his list of ongoing approvals, we will first gather the first 500 approvals for that user and only afterwards sort them by the criteria that the user requested. To get a full overview of all their approvals they can use the search based my work sections.
- We made a logical improvement to the way ongoing approvals/tasks are loaded. This means that if you have an approval/task that is assigned to the Project Manager group of your project (AND the PM (Product Managers) group is not a member of the Project), the task/approval will only be shown to the users in that PM group that also have the PM (or higher) role in WebCenter. Previously, these approvals/tasks were shown to

regular users in that PM group as well. If you wish to keep that old behavior, it is recommended to also add the PM group as a member of your project.

6.11. Viewer Improvements

6.11.1. Deep Zoom Mode improvements

The following improvements have been made to Deep Zoom Mode in the viewer:
- Fixed issue where large PDF files could not be viewed in Deep Zoom Mode when Document Storage for type Documents Data was configured as NTFS.
- Added Approval Toolbar to Deep Zoom Mode layout.

6.12. Integration Improvements

6.12.1. WebCenter SDK extensions

- GetAttributes.jsp: XML output extended by attribute label tag (<alt>).
- OpenSession.jsp with userinfo=1 parameter: XML output extended by the following tags:
  - o <logged_in_is_project_manager>
  - o <logged_in_is_project_creator>
  - o <logged_in_is_admin>
  - o <logged_in_admin_rights>
  - o <logged_in_location_id>
- A number of SDK calls that were previously available only for administrators can now be executed by users with corresponding administrative rights granted though Administrator Group Rights.

7. Installation and Deployment changes

7.1. Deprecation of selected non-Reporting views

The following views are deprecated; they can still be used, but they will no longer be updated in the future:
- User_ToDo_ListQ
- Project_WCtask_TodoQ

8. Additional Upgrade notes

8.1. Search Index Rebuild required

Note: When upgrading to WebCenter 23.07, a full search index rebuild is required to ensure that all searches will continue to work as expected.

9. Known Limitations

9.1. Named Configurations

The Named Configuration framework is not covering all aspects of a WebCenter configuration. Understanding what is covered and what is not is important to use the tool in the most effective way. For details, see the Knowledge Base Article:
KB397287490: WebCenter - What is supported in Named Configurations?

9.2. System Comparison

The System Comparison framework is not covering all aspects of a WebCenter configuration. Understanding what is covered and what is not is important to use the tool in the most effective way. For details, see the Knowledge Base Article:

KB447153488: WebCenter - Configuration Comparison: Known gaps and limitations

10. Solved customer issues

10.1. List of resolved Customer issues in WebCenter 23.07

JIRA Number	CS Number	Comment
WCR-61192	-	Streamlined the process of migrating view files to s3
WCR-54970	CS01534669	Improved the mechanism responsible for calculating the version counter of a document version on upload.
WCR-56822	CS01553502	Improved the starting mechanism of a Workflow, to ensure that the workflow always starts after all other transactions are submitted. This means that there is less chance that the Workflow Engine and Rule Engine are racing against each other causing deadlocks.
WCR-62897	CS01616672	While the approval setup of a linked document is not visible in the UI (User Interface) (even if the document is approved), functionality like synchronize with Automation Engine (AE) is still able to extract the approval setup in XML form via the project of the master document. The issue was that when the linked document was moved (to a different folder or project), the approval information was no longer available via the synchronize with AE in the project of the master document. The fix for this is that the move will have no effect anymore on the approval setup of a linked document. The approval information is still available via the master document, even after the linked document is moved.
WCR-61702	CS01620511	Fixed issue with scrolling for grid areas
WCR-62049	CS01621944	Fixed an issue where approval comments shown in a search would have a varying order. The approval comments are now always ordered by the date they were submitted.
WCR-62311	CS01622675	Fixed an issue where limiting drag and drop zones in dashboards to certain file extensions no longer worked
WCR-61984	CS01623889	Fixed an issue where the search crawler queue would not be emptied, resulting in the server going out of memory. The queue now gets emptied when its size exceeds a certain threshold.
WCR-62957	CS01631061	An error will be shown in the viewer when submitting an annotation change after the approval state was changed (outside the viewer - after the viewer was opened) to make this operation in conflict with the system's general Preferences settings.
WCR-62784	CS01632185	Solved an issue in dashboards where table headers for language/translations in dashboards are not correctly aligned in wide screens
WCR-62875	CS01632621	Dashboards can now better handle validation of forms containing attributes removed from the system.
WCR-63127	CS01633405	Optimized View File generation on upload.
WCR-62960	CS01634041	Fixed issue where document sources that upload to a specific folder in a Document Reference in Dashboards did not show up when opening the dashboard for the first time if the user did not have "add" permissions on the root folder in the project.
WCR-62952	CS01634543	RTL (right to left) and LTR flag for the language is set properly now

JIRA Number	CS Number	Comment
WCR-63925	CS01637141	Fixed issues were saving of new/changed annotations on some environments would fail (the annotation changes would be saved, but the Action History would not be updated).
WCR-63359	CS01640017	On the page to set up a workflow in a project template, the flickering when the page loads are now fixed.
WCR-63426	CS01640841	"Create ColorCert job" workflow node was not respecting the incoming master/spot color order.
WCR-63399	CS01641005	Fixed an issue with view files on S3. When copying a document that has its view files stored on S3, the view files are now correctly copied over.
WCR-64074	CS01642202	Improved temporary file cleanup mechanism on Tomcat
WCR-63896	CS01645271	Optimization done in the case where you have 99+ dashboards or document references fully visible on the page when saving a form (e.g., lots of expanded drilldown sections). WebCenter was having trouble reloading that much information at once.
WCR-63958	CS01646762	Reduced the time delay to update the widget.
WCR-64000	CS01648114	Fixed an issue when the customization settings were not saved when adding a different hexadecimal value.
WCR-64020	CS01648431	Improved view file handling on S3 when the files have a lot of view files
WCR-64348	CS01652447	Fixed regression bug introduced in 23.03 where "onChange" scripts in Dashboards don't always execute the first time when selecting a value
WCR-64672	CS01655897	Some styling in the PDF report has been changed
WCR-65090	CS01659441	Fix large file upload to S3
WCR-65180	CS01661594	Fixed issue where Export to Excel stops processing at random with the error "Unknown error occurred when searching"
WCR-65162	CS01664611	ColorCert: Updated CCAT to version 50.2.2 build 3
WCR-65298 WCR-65487	CS01664672 CS01666698	Improved zip file handling in WebCenter - When WebCenter cannot parse the zip file after the upload (when starting the check & registering task). The upload will now show as successful, and the failure of the check & registering task can be found in the check & registering feedback popup.
WCR-65221	CS01665078	Added a small delay so that content is updated quickly
WCR-65651	CS01669221	Fixed an issue in the Select WF node that tokens after a mark node containing no documents, would cause a Workflow error.
WCR-64824	CS01586760	WebCenter now supports NTLMv2 authentication when authenticating to the mail server
WCR-65650	CS01633933	Thumbnails are now always fully shown when stored on S3.
WCR-64973	CS01651714	Mac users can now upload zip files containing files and folders with 'é' in the filenames.
WCR-63256	CS01636781	Improved zip file handling in WebCenter - When WebCenter cannot parse the zip file after the upload (when starting the check & registering task). The upload will now show as successful, and the failure of the check & registering task can be found in the check & registering feedback popup.
WCR-66165	CS01635080	Created fix for viewing larger files in Deep Zoom Mode
WCR-59557	CS01592842	Project Due date linked to a project date attribute now better support time zones when skipping non-working days.
WCR-66153	CS01670007	Fixed issue where Download Formats with special characters could not be downloaded from Attribute Category / Task Execution Page.

JIRA Number	CS Number	Comment
WCR-64543	CS01654817	Fixed issues with List SmartNames. (In Search, Workflows, Import/Export, ...)
WCR-66195	CS01675779	Fixed a regression issue with case-sensitive matching of a role name when assigning members to roles based on attribute values in Create Project workflow node.