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OpenText™ Axcelerate™ 5.15.1 (On Premise)

Release Notes

Revised: 2019-Feb-22

Contents

1 New Feature Descriptions for Axcelerate 5.15.1

Axcelerate 5.15.1 includes the following new features.

1.1 Review in Context (AXC-40344/AXC-40312/AXC-40886)

Review in Context is an alternative review method that provides new review efficiencies by focusing the review on document relationships, that is, families, email threads, duplicates and near duplicates. It maintains the context of these document relationships, alleviates distraction by displaying only metadata that is important based on a document's MIME type and, when appropriate, it helps reviewers tag related document sets consistently.

Review in Context can be launched from the **Analysis** page or the **Assignments** page for any document set or review batch that contains less than 5,000 documents.

When creating review batches for review using Review in Context, use a batching template that has **Include associated documents** and the associated documents of interest selected (families and email threads are recommended).

Review in Context will be available in both new Axcelerate 5.15 projects and in existing projects that are upgraded to Axcelerate 5.15.

Known Limitations

Review in Context is not available for a document set or review batch that contains more than 5,000 documents.

Performance of Review in Context (how quickly documents load in the viewer) is better when you view document sets that contain less than 1,000 documents.

Performance is also dependent upon the browser that you use and the CPU of the client machine that is running the browser. Google Chrome has the best performance, then Mozilla Firefox, then Microsoft Edge and then Internet Explorer 11. If you use Microsoft Edge or Internet Explorer 11, your browser may become unresponsive if you open Review in Context in multiple tabs or view too many complex documents in a row as this increases the load on the browser.

Review groups are documents with family members or documents that are part of an email thread which display together in Review in Context. In general, performance is also affected by the size of a review group you are viewing, and the complexity of the documents in that group.

1.2 Review Batches (RECCORE-22112/RECCORE-22483/AXC-40344)

If you select **Full batching, split by document count** in the batching configuration, associated document groups may now be split across review batches. The system now checks the number of documents in a batch before adding the next group of associated documents. If the number of documents is up to 50 percent above or below the specified document count per batch, a new batch is created and a **_SPLIT** suffix is added to the batch name.

Families have the highest priority and should not be split if possible. Threads have the next highest priority, followed by duplicates and then near duplicates.

1.3 Assignments Page Sorting (AXC-39761)

Behavior before change

Sorting and filtering by **# Documents**, **# Reviewed** and **% Reviewed** computations was not supported.

Behavior after change

Sorting and filtering by **# Documents**, **# Reviewed** and **% Reviewed** computations is supported and the numbers are generated according to the security settings of the user.

Known Limitations

The number of batches on the **Assignments** page has a direct impact on computation time. A high number of batches can cause the **Assignments** page to take longer to load than before.

1.4 Review Consistency Validation (RECCORE-21135)

You can use field-based search to locate associated document sets that are not tagged consistently. This feature can be used on single value, multivalue, hierarchy, date, and numeric fields. It can also be used on the **Review State** field.

1.5 Search by Document Relationship (CORE-18821)

Behavior before change

You could not search for documents based on their relationship to other documents as part of the query language.

Behavior after change

You can now use field-based search to expand or refine a search result based on the following associated document relationship types: duplicate, near duplicate, email thread, end of branch email, family, or custom associations. The following refinement operations are now supported: keeping or dropping the primary of a relationship group, keeping or dropping of documents based on the size of a relationship group.

Change to general search behavior!

These words are used as operators: drop, keep, expandby. Operators are treated as reserved keywords in searches. To search for the actual words, use phrase search.
Saved searches may need to be adapted.

1.6 Field Based Search for Tagging and Dynamic Fields (CORE-14178)

Behavior before change

Field based search was not supported for tagging and dynamic fields that are filled by users, or user activity, after the publishing process. The reason was that field value names are only display names and the actual values are numeric and not shown to users.

Behavior after change

A new sub-type of field based search can search now for field value properties. This allows searches within any tagging field, for example, the **Workspace** or **Issues** fields, and some dynamic fields, like the **Batch**, **Production Workflows** or **Review Workflows** fields.
For example, you can now search for documents tagged with a certain value, for example, `issue.name="critical case"`, or for documents tagged with a value that was created on a certain date, for example, `issue.created=2017-12-30`.
More field value properties can be used for searches, depending on the actual field. Due to the special conception of these fields, search syntax is slightly different, but therefore also ensures correct search results when a value is renamed.

Changes to Default Configuration

The document model configuration has changed: most taxonomies of Axcelerate 5 support searchability.

Known Limitations

Full text search is currently not supported for field value properties.

1.7 Saved Search Sorting (AXC-39808)

Behavior before change

Saved searches were sorted by **Creation Date** and changed their sort order when shared or added to the **Favorites** list.

Behavior after change

Saved searches can be sorted by **Name** or **Creation Date** and do not change order when being shared or added to the **Favorites** list.

1.8 Document Viewer (AXC-39642)

The viewing technology of the Axcelerate 5 front end has been partially replaced, to allow faster display of **Near Native** view. The new technology has less storage and memory requirements, and it requires less infrastructure and architecture overhead.

Furthermore, **Near Native** view and the **Text/OCR** display of **Production** view now offer the same search syntax as the keyword search for the **Results** list. Highlighting is more consistent in **Text** view, **Near Native** and **Production** view.

The new technology is not used for **Redaction** view, due to the specific storage requirements for redactions.

Known Limitations

Highlighting

Near Native view has a 50,000 word highlighting limit. Highlights include enabled highlighting types and search terms. When the limit is reached, highlighting is no longer active in the **Near Native** view. Highlighting is still active in the **Metadata** panel.

Page navigation

Regardless of your **Page Layout** setting on the **User Preferences** page, **Text** view always uses page mode navigation, as does **Near Native** view when you view a document that contains more than 500 pages.

PDF bookmarks navigator not available in Near Native view

The PDF bookmarks navigator, which allows you to navigate between events in a chat message, is no longer available in **Near Native** view. It remains available in **Redaction** view, with the same functionality.

Text-based annotation tools not supported

The new viewer does not support the text-based annotation tools listed below and they are no longer available. However, annotations based on these tools will not be lost with an upgrade to Axcelerate 5.15.

Changemark Text Strikethrough

Allows you to strikethrough text and add a Changemark note at the same time.

Changemark Text Highlight

Allows you to highlight text and add a Changemark note at the same time.

Strikeout

Allows you to strikeout text.

Strikethrough

Allows you to strikethrough text.

Text Highlight

Allows you to highlight text.

Underline

Allows you to underline text.

1.9   Conversion Reasons (AXC-40563/AXC-40562/AXC-39642)

As a result of the new viewing technology used by Axcelerate 5, conversion reasons for bulk conversion and preconversion rules have changed. The new conversion reasons are:

Near Natives

Prepares documents for:

- Viewing in **Near Native** view
- Bulk printing of **Near Native** view

Redactions & Production > Limited

Prepares documents for:

- Production
- Global redaction
- Bulk printing of **Image** view (when a document has an image)
- Bulk printing of **Redaction** view

Redactions & Production > All

The same result as **Redactions & Productions > Limited**, but also prepares documents for:

- Viewing in **Image** view (when a document has an image)
- Viewing in **Redaction** view

> ⓘ **Note:** If a matter is upgraded to Axcelerate 5.15 and it contained a pre-conversion rule to convert documents for viewing, post upgrade you will see the existing rule was broken into two rules to account for the new conversion settings.

1.10   Review Display Storage (AXC-40933/AXC-39642)

The **Review Display Storage** option in the Axcelerate 5 **Analysis** page **Actions** menu was renamed **Clean up Redaction View Storage**, as it no longer refers to **Near Native** view. There is no change in functionality.

1.11   Smart Filters for Conversion (AXC-40619/AXC-39642)

The use of two document view technologies required some changes to the conversion process. As a result, the tracking of conversion results with Smart Filters has changed.

Near Native view

Bulk conversion results for **Near Native** view are now tracked by a new **Native View Preparation** Smart Filter.

Production and Redaction views

Conversion results for production and redaction views are still tracked by the **Conversion** Smart Filter and conversion descriptions have been updated.

1.12   Automatic Preconversion for Marked for Redaction Documents (AXC-40348/AXC-39642)

Documents that are marked for redaction are now automatically submitted for pre-conversion for viewing in **Redaction** view every five minutes by default. This operation is run by a system-internal preconversion rule that identifies documents with the **Mark for Redaction** flag. The job name is `Documents marked for redaction`. Although these jobs are executed every five minutes, they are set to the lowest priority to ensure that jobs triggered by on-the-fly conversion and user-created preconversion rules are not blocked. This feature will be available in both new Axcelerate 5.15 projects and in existing projects that are upgraded to Axcelerate 5.15.

1.13   Native Conversion (FOUND-12544/FOUND-12166)

Native Conversion is now supported for Office 2013 and Office 2016.

Microsoft Office 2016 will be rolled out on Axcelerate Cloud systems after the Axcelerate 5.15 rollout. This may take some weeks.

1.14   Display of Fields With a Large Number of Values (AXC-10304/AXC-40951)

Fields that contained a large number of values could break the **Tagging** panel and cause the browser to crash. The Axcelerate 5 **Fields and Values** page now contains a **Convert to type-ahead display** check box that you can select to convert single value, multivalue and hierarchy fields to a type-ahead text box display. This allows users to find desired tagging values quickly. When a user clicks in the type-ahead text box, the first 30 field values display in a drop-down list. If the desired value is not displayed, the user searches for the value using the type-ahead text box.

Associated Limitation

To prevent browser unresponsiveness, the **Values** tab for any field on the Axcelerate 5 **Fields and Values** page now displays only the first 1,000 field values for preview and editing. You will see a **Load all values** option; however, loading all values for a field that contains a very high number of values is likely to cause your browser to become unresponsive. If this occurs, you can still add or rename the field's values from the **Tagging** panel and an Administrator can delete values in CORE Administration.

1.15   Date Fields Can Be Modified in the Tagging Panel (AXC-39644)

Behavior before change

Users were not able to modify date fields as part of tagging activities.

Behavior after change

Users can modify date fields using the **Tagging** panel.

Known Limitations

The date picker display does not contain a time selector. When a date field is updated using a tagging arrangement, the original value is not tracked in the **Document History** panel.

1.16   Discussion Panel (AXC-40194)

Behavior before change

Users could add notes to a document using the **Review Comments** text field.

Behavior after change

Users can discuss decisions about a document in a separate **Discussion** panel, in addition to adding document-specific review comments.

Changes to Default Configuration

The field **axc_document_comments** was added to the Axcelerate 5.14 document model to store the comments.

1.17   OCR in Axcelerate 5 Summary Panel (AXC-39650)

Behavior before change

The **Summary** panel for OCR in Axcelerate 5 displayed **Name** and **Description**.

Behavior after change

The **Summary** panel for OCR in Axcelerate 5 displays additional information, including the number of documents to be processed and whether any documents already contain text.

1.18   Qlik Sense February 2018 Support (AXC-34837)

Axcelerate 5.15 supports Qlik Sense 2.0.7, also used in previous versions, and the new Qlik Sense February 2018.

Qlik Sense February 2018 contains a number of bug fixes relevant for Axcelerate 5.15.

Qlik Sense 2.0.7 is not supported by Qlik anymore. Therefore, the next Axcelerate version will not support it either.

1.19   Search-Based Metadata Enrichment (RECCORE-20829)

A command-line feature called search-based enrichment allows you to extract information from documents and add it to metadata, after data has been loaded or published.

This allows, amongst others:

- Search for numeric or alphanumeric content with wildcards and tag containing documents.

- Search for PII patterns such as email addresses, phone numbers, personnel numbers and tag containing documents. Users then can find those documents that may need redaction, by filtering.
- Run the MIME type detector over CSV Load documents if the MIME type information is missing and add the information to the **MIME type** field.

1.20 Values imported with publish or CSV merge can be shown in Document History (RECCORE-19975)

Up to now, **Document History** only displayed field values that were changed by user tagging. Starting with Axcelerate 5.15, values that come into Axcelerate Review & Analysis with a publish or a CSV merge can be displayed, if fields are configured appropriately.

1.21 External Page Identifiers for Production (AXC-40058)

Behavior before change

You could not add (external) page-level identifiers to documents.

Behavior after change

You can now add (external) page-level identifiers to documents. This allows you to burn the identifiers onto TIFF images during production and you can also use the identifiers to name production output files.

Changes to Default Configuration

There is a new **Enable external page identifier** configuration setting on the Axcelerate 5 **Administration > Settings** page, **Feature Settings** tab. The setting is disabled by default. If the setting is enabled:

- The **Layout** tab of the production workflow configuration page contains an **External Page Identifier** element item, which you can add to the production layout for branding.
- The **Export Production** wizard contains a **Name output files by external page identifier** option.

1.22 Production Export Snapshots (AXC-39719)

Production export can now be run immediately from the **Production Workflows** page. The snapshots storage handler and the export database used for snapshots have been removed.

1.23 Production Export (AXC-39947/AXC-39719)

Production export is now run as a job. An error log file in CORE Administration allows improved tracking.

1.24 Microsoft Edge Supported for Axcelerate 5 (AXC-35839)

Behavior before change

The Axcelerate 5 user interface could not be used with Microsoft Edge.

Behavior after change

The Axcelerate 5 user interface can now be used with Microsoft Edge. Microsoft Internet Explorer 11, Google Chrome and Mozilla Firefox remain supported.

1.25 Microsoft Outlook 2016 (FOUND-12813)

For data loading, Microsoft Outlook 2013 and 2016 are supported.

Microsoft Outlook 2010 is no longer supported.

1.26 Lotus Notes 9 Support (FOUND-8150)

For loading Lotus Notes files, the Lotus Notes 8.5.x or 9.x client can be used.

Lotus Notes 9.x will be rolled out on Axcelerate Cloud systems after the Axcelerate 5.15 rollout. This may take some weeks.

1.27 Lotus Notes (FOUND-8644/FOUND-12166)

The view/folder names in Lotus Notes (NSF) archives can now be extracted.

You enable extraction in the data source configuration, with **Parsers > Notes parsers > NSF Views/Folders > Extract view/folder names**. Extraction uses regular expressions. In addition to the default extraction and substitution patterns, you can specify custom patterns.

1.28 Crawling Data Sources Based on CMIS Standard (FOUND-11751)

Behavior before change

CORE Administration was unable to crawl data from sources providing an interface based on the Content Management Interoperability Services (CMIS) standard.

Behavior after change

> CORE Administration is able to crawl data from sources providing an interface based on the CMIS standard.

1.29 X400 Email Address to SMTP Conversion (FOUND-12717/FOUND-12166)

When emails are sent within an exchange network, they never leave the network. If these internal emails are collected, they may be missing country code information. By default, the system automatically adds `.com`. This default top level domain is now configurable for X400 email address to SMTP conversion. The default remains `.com`, to keep current behavior and default to the most likely best name.

1.30 Publish data source (FOUND-13520/FOUND-13501/FOUND-12166)

Publish data source runs in 64-bit mode now and has configurable heap.

Administrators can configure the default maximum heap size and other JVM parameters for Axcelerate Ingestion publish data sources.

The 64-bit mode, in combination with a reasonable heap size, reduces the risk of out of memory exceptions during publishing. But the possible heap size depends on number of data sources and RAM. Therefore, after the update to Axcelerate 5.15, check this internal setting in the application configuration of Axcelerate Ingestion.

The default heap did not change, to not change any footprint of processes running on crawler servers.

1.31 Post processors can be disabled in bulk (FOUND-12776/FOUND-12166)

> Especially conceived for data load tests, loading data without post processors helps you to understand the content and metadata of your data source and find out which fields you need to create.
> Disable postprocessing in the data source configuration, on the **Postprocessing** node.

1.32 Less Duplicates for Protected Documents (FOUND-12814/FOUND-12166)

Archives and parent files of attachment families are now checked for their modification date at a very early point of the data load. Especially for Axcelerate ECA & Collection,

that protects published documents, this results in less duplicates that are loaded, and less storage volume.

1.33 Smart Filters in Axcelerate Ingestion and CORE Administration (FOUND-12838/FOUND-12166)

Smart Filters on the **Explore** tab of Axcelerate Ingestion and CORE Administration can now be resized. Move your pointer over the right side or bottom of the Smart Filter window. When your pointer turns into a double arrow, left-click and drag the window to expand it. You can also click to fully maximize the window.

1.34 Search In Smart Filter in Axcelerate Ingestion and CORE Administration (FOUND-12718/FOUND-12166)

Any value and **No value** options are now available in the **Search in** Smart Filter in Axcelerate Ingestion and CORE Administration.

1.35 Family Inclusion in Axcelerate Ingestion and CORE Administration (FOUND-12706/FOUND-12166)

Family inclusion can now be applied as a sticky filter in Axcelerate Ingestion or CORE Administration by holding [SHIFT] and then clicking Include Family . This allows you to run a search on top of the family inclusion.

A lock displays in the **Search Parameters** panel to indicate the family inclusion is sticky. Click the lock to remove the sticky family inclusion.

If you click , the sticky family inclusion is removed, but it reappears if you run a new key word search. If you apply a Smart Filter instead of a key word search, you need to add the family inclusion again; however, once added it is automatically sticky.

1.36 Family Sort for Axcelerate Ingestion (FOUND-12828)

Family sort is enabled for Axcelerate Ingestion applications that use meta engines, in both new and existing projects. To sort results by family, click Family Sorting , located to the right of Include Family .

1.37 Administrators Able to See Potential Risk Points Where Upgrades Could Fail Before Shutting Down the System (FOUND-11752)

Behavior before change

aSDK had size limits passing variables to ADP. Single Sign-on (SSO) using OTDS was not possible in aSDK. CORE Administration did not show warning messages for inconsistent application states.

Behavior after change

Variables can be passed from aSDK to ADP and back without size limit. SSO using OTDS is possible in aSDK. CORE Administration now shows warning messages for inconsistent application states.

1.38 Log File Management (AXC-36822)

Behavior before change

The Axcelerate 5 service tier and web tier used an outdated version of log4j1.2. This version was not supported anymore, contained many issues and was, therefore, an operational risk.

Behavior after change

The Axcelerate 5 service tier and web tier now use the most up-to-date version of log4j2 which offers better performance, better stability and many new features. By default, logging now includes automatic zip file creation for rolling log files, in order to save disk space.

Known Limitations

Reloading a log4j configuration results in the loss of all dynamically added appenders, loggers, etc. Be careful with activating the **monitorInterval**.

1.39 Audit Logging for CORE Administration (FOUND-12716/FOUND-12166)

User actions in CORE Administration, such as configuration, restarts, security changes, etc. are now logged in an audit log file in CSV format. You can see when an action was triggered, when it was successfully done, and who initiated an action.

1.40 Job Management: Cancel a Job (FOUND-12694)

In CORE Administration, the option to cancel a running job was named **Cancel**; however, users could then be confused by the **Finish** and **Cancel** options. In CORE Administration, the option to cancel a job was renamed **Abort**.

1.41 Total number of documents in CORE Administration (FOUND-13536/FOUND-12166)

Administrators can configure CORE Administration to show the number of documents handled by the index engines, running or not running; of single workspaces or system-wide, that is, across workspaces; as well as the maximum number of documents allowed. This allows customers with a license based on document numbers to request a larger license or to remove documents.

When the maximum number of allowed documents is exceeded, the document count is shown in red, to provide a warning. There is no limitation on indexing more documents.

Performance and system load can be a concern if more than 100 index engines are running on your system. In this case, we recommend that you disable the display of the document number after you have checked it.

1.42 Templates and JVM Configuration Nodes (FOUND-12686/FOUND-12166)

Templates and JVM configuration nodes for applications in CORE Administration are now internal settings.

Templates are now centralized. The `Templates` folder is located in `%MINDSERVER_HOME%\CORE\program`.

1.43 Jobs for Meta Engines (RECCORE-9830)

To not overload **Jobs** tabs, some jobs that are started for a meta engine are only shown for the meta engine level. Sub-jobs on index engine level are no longer shown.

This change concerns:

- Document Export
- Matter Export
- Exception Resolution
- OCR

For better orientation, engine names are now shown on **Jobs** tabs.

1.44 Index Engine Write Locks (RECCORE-12726)

System-based write locks are now protected against manual removal. Write locks created by other administrators can be removed. When trying to save index engines that have been write-locked by another administrator, a system message makes you aware that you first have to unlock the engine.

Known Limitation

User write-locks still stack up since nested scripts and scripts running in parallel might use them. Hence, it is still necessary to unlock an engine as often as it was locked.

1.45 Document Deletion (RECCORE-20429)

Document deletion is no longer part of an index engine save, but runs as a synchronous job after the save, making saves and engine restarts quicker, and user activity interruptions smaller.

Marking documents as deleted and marking documents as active again is also now run as a job.

1.46 Connectors

Connector support for Microsoft SharePoint Online

Axcelerate Cloud now supports the connector for Microsoft SharePoint Online sources.
This also covers OneDrive.

Connector for Microsoft Exchange

Axcelerate Cloud now supports the connector for Microsoft Exchange Online sources.

1.47 Exchange 2013/Online Connector (FOUND-12695/FOUND-12166)

Exchange 2013/Online connector now can use the autodiscovery function for Exchange servers. If the **Exchange Web Services URL** setting is empty, autodisovery detects the servers on which mailboxes are located.

1.48 SharePoint Connector (FOUND-11972)

Behavior before change

Collecting versioned documents in SharePoint was not supported.

Behavior after change

Collecting versioned documents in SharePoint is now supported.

1.49 Box Connector (FOUND-11075)

Behavior before change

Not applicable.

Behavior after change

A new, recommended authentication method, *OAuth 2.0 via JWT*, has been added that connects via a Box application.
Whereas existing token based authentication methods require token generation for each data source, this method is based on a file that can be used for multiple data sources.

1.50 System Maintenance (FOUND-12723)

When starting a system after maintenance, the system checks if a restore point is available. If a restore point is available, only system applications CORE Administration and ADP are started. The system waits for the administrator to perform manual quality assurance steps. To start all other applications that were running before maintenance, the administrator applies the restore point by executing a script (manageRestorePoint).

A new, optional setting in the bootstrap.properties file, `service.autostart.sytemRestorePoint.enabled = true,` now allows the system to automatically apply a restore point after system restart.

2   Issues Resolved in Axcelerate 5.15.1

This section provides information about past issues that have been fixed in the Axcelerate 5.15.1 release.

Key	Release Note
AXC-38644	If an arrangement was changed, all users were required to reload the configuration in a time consuming fashion. Arrangements now load configuration changes in an optimized and much faster way.
AXC-40483	On the Axcelerate 5 Navigation and Assignments pages, column order was not persisted when the order was changed using drag and drop. Column order is now persisted when the order is changed using drag and drop.
AXC-40853	If engines were set to automatically suspend with a timeout larger than the frequency of the automatic universe updater (default: 1 day), said updater would prevent the engine from suspending. The automatic universe updater no longer prevents engines from suspending.
AXC-40854	Automatic training iterations could prevent automatic suspension of applications. Automatic training iterations are now executed in a way that does not prevent automatic suspension.
AXC-40855	In rare cases, background or asynchronous processes could prevent automatic suspension of applications. This issue is now resolved.

Key	Release Note
AXC-41252	Using CORE Administration, it was possible to delete productions/sub-productions that belonged to an Axcelerate 5 production workflow, which left the production workflow in an unusable state. If a user now tries to delete productions/sub-productions that belong to an Axcelerate 5 production workflow via CORE Administration, they receive a warning and an explanation of why this is not possible.
AXC-41672	When a selected view in the document viewer cannot quickly load, the viewer should fall back to Text view. Text view fallback was not occurring for the first few documents being viewed. The issue is fixed and text fallback is now also triggered for the first few documents being viewed.
AXC-43469	Some URLs contained illegal double slashes and did not work in combination with reverse proxies. URLs are now in a valid format, with single slashes, which work in combination with reverse proxies.
AXC-43533	Native documents and text files could be missing from a production export if the columns "Produced Text Link" and/or "Produced Native Link" were not part of the DAT file and the export did not contain images. Native documents and text files are now exported as expected, even when these columns are not included in the DAT file.
AXC-43537	Business Intelligence dashboard status was fetched every 10 seconds, regardless of whether the last status refresh had finished. Now the status is fetched, but is not fetched again until the last status refresh has finished. It then waits an additional 10 seconds before sending the next refresh request.
AXC-44015	The Axcelerate document viewer did not work with the Chrome 67 browser. The viewer now works with Chrome 67 and the latest version of the Chrome browser.

Key	Release Note
AXC-44703	When viewing PDFs that contain dynamic forms in Near Native or Redaction view, that content, such as electronic signatures, could be missing. In Axcelerate versions prior to 5.15, this issue was resolved by a third party hotfix for both views. In Axcelerate 5.15, this issue is now resolved by a third party hotfix for Redaction view only. In Axcelerate 5.15, the issue still exists for Near Native view due to the viewer technology that is used for that view.
AXC-44723	Viewer timeouts for printing and publishing were increased from four minutes to 30 minutes.
FOUND-11650	Applications with meta engines did not properly suspend when "Suspend automatically" was enabled. This issue is now resolved.
FOUND-12221	The LauncherService has a log directory which it cleans and deletes at every start. This can take a long time and was not logged. The LauncherService now logs when it starts deletion of the temp directory.
FOUND-12231	The master service session was able to expire after an hour when storage export was executed. The session will no longer expire when storage export is executed.
FOUND-12400	The creation of session and setting session type was not atomic. This allowed creating a session and touching it, although it was a monitoring session which could prevent projects from going to sleep. The session type is now passed when the session is created. Modifying session type afterwards is no longer possible.
FOUND-12492	The authorization cache could get out of sync across service tier instances and could only be repaired by restarting the affected service tier.; Now the authorization cache cannot get out of sync across service tier instances anymore, as it is now based on the session key and sticky sessions are used.

Key	Release Note
FOUND-12602	The SharePoint 2013 connector could not authenticate with SharePoint Online "Vnext" systems and, therefore, could not crawl these systems. The SharePoint 2013 connector can now authenticate and crawl SharePoint "Vnext" systems.
FOUND-12684	All changes to bootstrap.properties after the initial run are now being picked up and applied.
FOUND-12777	Missing PST entries, such as folders containing entry IDs for which there are no actual entries, caused fatal crawl errors. Missing PST entries are now reported as exception documents ("File not found") and the archive is reported as a corrupt archive.
FOUND-12861	Multiple Active Directory mappings for one source principal are now supported.
FOUND-13456	Outlook 2013 OST files are now properly detected during a crawl.
FOUND-13470	Lotus Notes Domino Service can now be configured in Transport Layer Security (TLS) enabled environments.
FOUND-13478	When using single sign-on via OpenText Directory Services (OTDS), users could not log into CORE Administration. This issue is resolved and these users can now access CORE Administration.
FOUND-13497	In a single sign-on setup, normalization of user names prevented users with an uppercase display name from logging in. The issue is now resolved and users can login even if their user display name contains uppercase characters.
FOUND-13513	Mechanism to stop the EnCase Service has been improved to avoid issues when crawling multiple EnCase files one after another in different data source runs.

Key	Release Note
FOUND-13697	If the Exchange dumpster or archive hierarchy contained more non empty folders than the configured "Max Entries per EWS Request", the connector for Microsoft Exchange processed only some folders. Now all non empty folders of the dumpster and archive hierarchy are processed.
FOUND-13717	Exchange 2013/Online attachments quarantined by an anti virus scanner caused a fatal crawl error. Now an exception document with "File not found" exception type is generated.
FOUND-13933	CoreConfiguration utility now respects customized system templates.
RECCORE-20618	Crawling all searchable mailboxes with the Exchange 2013/Online connector failed. This issue is now resolved.
RECCORE-20660	Multiple operations around document views utilized the job folder within the DisplayListCache (DLC) as a location for temporary files. This had a negative impact on the BRAVA DLC truncation feature that monitors disk usage within the DLC. Rendered view creation, print jobs, and single-page jobs now store their temporary content within a designated temp folder that lives next to the DLC. Both directories are located within the legacy DLC folder to ensure identical mount locations and sufficient access rights.
RECCORE-20747	The Exchange 2013/Online connector aborted folder processing if the Exchange server returned with at least one malformed entry. The Exchange 2013/Online connector now creates exception documents if the Exchange server returns malformed folder entries.

Key	Release Note
RECCORE-20795 RECCORE-21071	Wildcard searches starting with AND, OR, NOT now find words that start with and, or, not, plus the actual terms AND, OR, NOT. The actual terms were not found in earlier product versions. Also, the phrase search "and", "or", "not" now finds the actual term. This improvement may result in more search hits for some of your saved searches.
RECCORE-20866	A master service downtime of at least one hour could cause running batch servers to be de-registered upon restart of the master service before they were able to reconnect. This fix delays the check for obsolete servers by 15 minutes after a master service restart, to allow any running instances to connect.
RECCORE-21041	Mini-dump creation for the external Java Virtual Machines used on the batch servers could cause a disk to run out of space. This has been fixed by turning off unnecessary (duplicate) dump creation at the external document job pro-cessor(s).
RECCORE-21051	The Exchange 2013/Online connector now supports email addresses (sender or recipient) that have no mailbox type.
RECCORE-21064	Repaired an exception that could occur when large doc-uments were indexed, in chunks, with personal text types.
RECCORE-21143	Batch server information was not properly re-distributed on master service failure. This information is now always distributed when a host's status changes to ONLINE.

Key	Release Note
RECCORE-21210	Projects using pre-Axcelerate 5 templates for their document model did not have Axcelerate 5-specific document model templates after they were migrated to Axcelerate 5. As such, some configuration updaters did not run for these projects. The trigger for configuration updaters was changed to check the Axcelerate 5-capable setting in the respective application configuration to include old and migrated Axcelerate 5 templates in the respective updaters.
RECCORE-21234	Fixed incorrect handling of spaces in the site collection path for SharePoint crawls.
RECCORE-21744	The connection to a service tier used for billing event notification now has a timeout of 2 minutes.
RECCORE-21763	Documents can be crawled from SharePoint even when author information is not available in SharePoint.
RECCORE-21830	Big decimal numbers in the CMIS repository no longer cause a ClassCastException.
RECCORE-22046	The authentication implementation of the SharePoint 2013 connector has been improved so that it matches the recommendations from Microsoft more closely.
RECCORE-22119	An exception could occur in the engine when entering a search in the SQE that lead to too many wildcard expansions. This exception no longer occurs.
RECCORE-22220	Data load using connector for Microsoft Exchange: If an Exchange folder contained more than ten times the configurable number of "Max Entries per EWS request", the majority of the folder entries were processed multiple times. Now they are processed only once.
RECCORE-22303	The last step of each production job involves the computation of sizes for each binary artifact. This computation is faster now and involves less connections to the SQL database of storage locations.

Key	Release Note
RECCORE-22420	A memory estimate was inaccurate and the system failed to block a huge query, resulting in an outage. The memory estimate now correctly estimates the usage of the involved highlighting expressions.
RECCORE-22520	Production jobs apply a last step in order to compute the size of all binary artifacts related to the production and its dependent productions. This step was invisible and took a long time, so it appeared the progress was stuck at 100%. The step is now visible as an individual job of type "Finalize Production" and display name "Finalize sub-production '<name>' in production '<name>'. " The step vanishes after one minute.

3   New Feature Descriptions for Axcelerate 5.13.1

3.1   Axcelerate 5 Front End

User Security to Limit Viewer Features (AXC-40253)

Behavior before change

Documents containing privileged embeddings (children) could be downloaded and viewed by all users in all document views.

Behavior after change

The **Apply Custom Security to Document** field, a new multi-value tagging field, used in conjunction with application-level security, can restrict user groups from downloading and/or using **Image** view, **Near Native** view and/or **Redaction** view when a document is tagged for restriction.
By default, this field is available on the Axcelerate 5 **Arrangements** page, where it can be added to a **Tagging** arrangement.

Changes to Default Configuration

New field for data model: **ax_restricted** (multi-value) with values **Restrict Download**, **Restrict Image view**, **Restrict Near Native view**, and **Restrict Redaction view**.
The field will also be added to legacy projects.

Known Limitations

- **Text** view cannot be restricted.

- If a user deletes any of the **Apply Custom Security to Document** field values, those values can never be restored to their original functionality.

- Users should not modify the **Apply Custom Security to Document** field values. Renaming a field value in CORE Administration can affect the value's functionality as the values are linked to security configuration. Renaming a field value in Axcelerate 5 does not affect the functionality, but may confuse users. For example, if **Restrict Download** is renamed to *Restrict Printing*, tagging that value would still result in users being restricted from downloading native files (assuming the associated application-level security is in place).

- Deactivation of the **ax_restricted** field does not deactivate the **ax_restricted** application-level custom security options in CORE Administration, although it completely disables the feature.

- **Application-level Security** is not designed to deny access to functionality but rather to allow functionality for user groups. If users are members of groups that are allowed access to partially privileged documents, those users will always be allowed to see the entire document.

Axcelerate 5 Application Cloning (AXC-38316)

Behavior before change

For new Axcelerate 5 matters cloned from existing ones, the following application-sided settings were copied into the new matter:

- Tagging arrangements, including the corresponding fields and values
- Tagging Rules
- Quick Tags, and the mapping to Review States
- Templates (batching, production layouts and production slipsheets)
- Review Workflows (without schedules)

  Furthermore, the initial synchronization of configuration for a new project happened during the very first log in into the project.

Behavior after change

For new Axcelerate 5 matters cloned from existing ones, the following new areas of application-sided settings are copied into the new matter:

- Review Workflows (including schedules)
- Production workflows (including branding layout and slipsheets)
- Preconversion Rules

Additionally, the following new features/changes were introduced:

- It is possible to retry a failed project cloning process.
- If the project cloning is blocked, for example, because the engine is not running, a detailed **Blocked Reason** displays on the **Navigation** page.
- Adapted the default batching templates to make them match more the client needs.
- Moved the initial configuration synchronization into a bootstrapping phase that is executed immediately once a new project has been discovered. The project cloning process is executed as part of this bootstrapping phase.
- A simple default template is no longer introduced into new projects because these settings could interfere with ad-hoc batching.

Application Suspension Option (AXC-36877)

Behavior before change

Projects could not be configured to suspended automatically if they were not accessed in a specific amount of time.

Behavior after change

Projects can require a significant amount of resources due to the memory footprint of each running application. To free CPU and memory resources, an Administrator can configure all or individual applications to suspend automatically if they have not been accessed in a specified period of time. By default, the idle time threshold is one hour of inactivity. This is a pod-wide setting, which can be adjusted if needed by Customer Support.

When a user needs to access a suspended application, they can start it from the Axcelerate 5 **Navigation** page, by selecting **Start** from the **Actions** menu.

Starting Suspended Applications in Axcelerate 5 (AXC-28214)

Behavior before change

Inactive projects were shown as **Stopped** on the Axcelerate 5 **Navigation** page.

Behavior after change

Inactive projects are shown as **Inactive**/**Sleeping** on the **Navigation** page and may be started from the **Navigation** page.

Known Limitations

No direct feedback of succeeded or failed application start. User needs to refresh the **Navigation** page to get updates.

OCR in Axcelerate 5 (AXC-38349)

Behavior before change

There was no option in Axcelerate 5 to execute OCR on selected documents.

Behavior after change

OCR in Bulk is now available in Axcelerate 5.

Data Progress Report Dashboard (AXC-36190)

Behavior before change

The standard product lacked a report for SaaS partners and OnDemand and On Premise clients to report on ingestion and publish progress.

Behavior after change

The standard product now provides a report for SaaS partners and OnDemand and On Premise clients to report on ingestion and publish progress.

Smart Filter Value Expansion (AXC-39018)

Behavior before change

The full text of long Smart Filter entries could only be seen by mousing over each entry.

Behavior after change

Users can now toggle between the regular view and the expanded view, which wraps the text of the Smart Filter values. The expand selection remains across all Smart Filters in all matters on the same pod unless you clear cookies from your browser cache.

End of Branch Restriction (CORE-15782)

Behavior before change

Emails containing a *BCC* were not returned when an end of branch restriction was applied.

Behavior after change

Emails containing a *BCC* are now returned when an end of branch restriction is applied.

Search Query Editor (AXC-38623)

Behavior before change

When downloading the report for the **Search Query Editor** (SQE), the format was always CSV with a semicolon used as a field delimiter.

Behavior after change

The SQE report dialog now features a drop-down selection for the output format (CSV or HTML) and CSV delimiter (if CSV was selected) which will be used for the downloaded file. The user can also select a CSV separator: **Comma**, **Tab**, **Semi-colon**, or **Custom**. **Custom** allows the user to enter any other character they wish.

Field Based Search (CORE-13531)

Behavior before change

Query language did not support filtering for any/none expressions.

Behavior after change

You can now search for any value and no value using field based search in CORE

Administration, Axcelerate ECA & Collection, Axcelerate Ingestion, Axcelerate 5, Axcelerate Analysis and Axcelerate Review. This includes:

- Category restrictions, date fields, text fields, numeric fields.
- Boolean combinations of any/none filters and any other filter type.

Document History Search Index (CORE-19399)

Behavior before change

It was not possible to search for change events (also known as document history entries).

Behavior after change

A search index for the change events is built that can be queried using the command-line tool searchFolders. The tool allows to restrict these events by their id (the trace-id), the date, the user who triggered the change, the field that was changed, the value that was changed and the type of the change.

Known Limitations

Searching for the value that was changed is only possible for category, that is, folder, changes. Textual values cannot be searched.
Since building the search index is done at start up time in the background, it will take a while before it can be queried. Searching before the index has been completely built will result in an error.
Updating the search index is also done in background; hence, change events become searchable with a delay.

Document History Searching (CORE-13241)

Behavior before change

Document change history could not be searched.

Behavior after change

Document change history can now be searched via query language extensions through the main search box in Axcelerate 5, CORE Administration and through command line. The result is a list of documents affected by the change event(s) that match the query expression.

Reviewer to Review State Mapping (AXC-39046)

Behavior before change

When a user viewed the **Reviewer** tab while editing the **Review State** field on the **Administration > Fields and Values** page, the **User** column was scrollable horizontally. Such behavior caused UX issues if the number of review states was large.

Behavior after change

The **User** column is frozen and is no longer scrollable horizontally. Users can now see reviewer names even if the number of review states is large.

Assignments Page Sorting (AXC-38339)

Behavior before change

The **Assignments** page could not be sorted.
Search In, **Creator** and **Creation Date** Smart Filters were not available on the **Assignments** page.

Behavior after change

The **Assignments** page can now be sorted.
Search In, **Creator** and **Creation Date** Smart Filters are now available on the **Assignments** page.
This functionality will be available in new Axcelerate 5.13 matters as well as in matters that are upgraded to Axcelerate 5.13.

Search and Reproduce Using External Bates Numbers (AXC-11706/CORE-13639)

Behavior before change

Customers could not search for external Bates numbers nor reproduce documents reusing external Bates numbers.

Behavior after change

Customers can search for external Bates numbers and reproduce documents reusing external Bates numbers.

Changes to Default Configuration

For the data model templates, a preconfigured field **rm_external_identifier** is added, together with a field based search configuration with the abbreviation **EXTID**. For legacy projects, there is an updater present, which introduces these settings retroactively.
External Bates numbers are based on a new data type (prefixed parameterized index) which is configured in the document model configuration, in the **Indexing > Parameterized** indices node.

Known Limitations

External Bates numbers can only be correctly interpreted if the first character is a letter, if the numerical value following the Bates prefix consists of at least three digits and if Bates numbering is consistent. Also, only these characters are allowed: a-z, A-Z,0-9, -dash and _underscore.

Production Export: Native File Naming (AXC-1177)

Behavior before change

In production exports, native files were named according to <BEG BATES>.<FILE EXTENSION>, with no choices given to the user.

Behavior after change

In production exports, naming of native files can be controlled by adding values from a field as a suffix to the Bates number, for example, <BEG BATES>_<FIELD VALUE>.<FILE EXTENSION>.

Changes to Default Configuration

None. The default naming remains <BEG BATES>.<FILE EXTENSION>.

Known Limitations

- **BEG BATES** is always used as the first part of the native file name.
- Only a single field can be used as the suffix.
- If a selected field value contains invalid characters (Windows limitation), those characters will be replaced with underscores.
- Maximum length of the suffix is limited to 220 characters due to common file system limitations.

Conversion (AXC-39031)

Behavior before change

The **Convert** option in the **Results** list **Actions** menu did not clearly explain that the action removes storage display files used for viewing.

Behavior after change

The display names of the conversion options have been renamed to improve understanding of the existing functionality. The existing functionality did not change.

- **Convert** has been renamed to **Convert/Reconvert**.
- **Remove Conversion** has been renamed to **Remove Display Storage**; the confirmation message related to this option is also reworded to better explain that you are removing storage display files used for viewing.

Bulk Printing Documents per PDF (AXC-38903)

Behavior before change

The default value for **Number of documents per PDF** was 100.

Behavior after change

The default value for **Number of documents per PDF** is now 1.

Bulk Printing of Redactions (AXC-28079)

Behavior before change

Bulk printing documents with redactions was possible but the underlying content was not visible.

Behavior after change

Bulk printing can be set up to include redactions that are translucent and show the underlying redacted content.

Known Limitations

Redactions are printed in grayscale.

Bulk Printing of Annotations (AXC-29890)

Behavior before change

Annotations and highlights could only be printed for single documents.

Behavior after change

Annotations and highlights can also be printed for a set of documents in bulk.

Known Limitations

Annotations are printed in grayscale.
Text boxes only wrap the text they contain, that is, large text boxes that contain free space around their text when viewed in Axcelerate 5 are resized to fit the text.

Bulk Printing Sort Order (AXC-39064)

Behavior before change

Depending on the search, the sort order on the file system was not the same as in Axcelerate 5, especially family sorting was not taken into account.

Behavior after change

Documents can be are stored with a numerical prefix to maintain sort order.

Known Limitations

You cannot print **Production** view sorted in descending Bates number order. The documents are instead sorted ascending Bates number order.

User Interface (UI) Changes

The Axcelerate Review and Analysis Classic UI is no longer supported.

Axcelerate 5 Document Selection Warning (AXC-39033)

Behavior before change

Users who left at least one document selected in the **Results** list were presented with a warning about a potential loss of work product when they moved to a different page.

Behavior after change

Users do not get warned about potential loss of work product when having at least one document selected in the **Results** list and moving to a different page, unless they first took action in the **Tagging** panel and did not click **Save**.

User Preference for Document Navigation (AXC-39041)

Behavior before change

Only multi page view (Scroll) was offered for document navigation.

Behavior after change

A **Document View Configuration** setting has been added to the **Preferences** page. Users can select their preferred document viewing method for all views, except **Text** view:

- **Scroll**: Allows you to scroll through an entire document using the scroll bar on the right-side of the **Viewer** panel. You will still see the page numbering at the bottom of the screen and in thumbnail view, but the pages auto-advance when you scroll.
- **Page**: Limits scrolling to one page of a document; however, this option comes with better performance, especially when viewing complex documents. To move between pages, use the page navigator at the bottom of the viewer or expand thumbnail view and use it to move between pages.

Viewer Display of Available Views (AXC-38351)

Behavior before change

The user selected a document view using a hierarchical drop-down list.

Behavior after change

If there is enough space to display the document views horizontally, they will display as tabs on the **Viewer** header panel, allowing the user to chose the requested view directly. If there is not enough space, the hierarchical drop-down list displays as before.

Known Limitations

Production views are still grouped in a drop-down list.

Axcelerate 5 Toolbars (AXC-23086)

Behavior before change

Toolbars in Axcelerate 5 were collapsed by default.

Behavior after change

Toolbars are expanded upon a user's first login to Axcelerate 5.12 and all remain expanded on subsequent logins unless they are closed by the user.
If the user changes their workstation or web browser, the toolbars may expand again.

Password Links (AXC-39045)

Behavior before change

The "Forgot / Change Password" link on the Login page was not split into two links that can be configured individually.

Behavior after change

The "Forgot / Change Password" link on the Login page has been split into two links that can be configured individually.

Changes to Default Configuration

New default values in webtier.properties:

- axcng.navigation.root.branding.section1.label=Change Password
- axcng.navigation.root.branding.section1.url= https://ad-ondeman-dus.recommind.com/showLogin.cc
- axcng.navigation.root.branding.section6.label=Forgot Password
- axcng.navigation.root.branding.section6.url= https://ad-ondeman-dus.recommind.com/accounts/Reset

Online Help (AXC-38207)

Behavior before change

Link to the online help was only accessible only on the login page.

Behavior after change

? help icon was added inside Axcelerate 5. It is located to the left of your user name and is available on every page.

Changes to Default Configuration

New default values in webtier.properties:

- axcng.navigation.root.branding.section5.label=Online Help
- axcng.nav-
  iga-
  tion.-
  root.branding.section5.url=http://www.recommind.com/help/content/home.htm

3.2   Data Ingestion

CSV Merge (CORE-14325)

Behavior before change

Autodetection of charset encoding was not available for CSV Merge.

Behavior after change

Autodetection of charset encoding is now available for CSV Merge. As before, if the encoding cannot be detected, the default encoding is used.

Email Crawls (CORE-16267)

Behavior before change

The field **rm_md5** is not populated for emails and other items where we did no have dedicated **native**.

Behavior after change

The field **rm_md5** is populated for all documents, corresponding to the stored native. Additionally, **rm_image_md5** is populated with the MD5 hash of the concatenated images, if present. The hashes are computed during crawl and stored in the corresponding engine storage. This allows hashes for files where the "native" is generated by the crawler. Furthermore, the consistent binary hashes are now used to improve the decision making during re-crawl / re-publish. Redactions and annotations are now preserved when a user accidentally re-sends data.

Changes to Default Configuration

Introduced new field **rm_image_md5**.
Internal data model parameter, **copyIntoPrimaryMd5VerificationRequired**, introduced (structureDataModelDocumentHold.ixml) which enforces MD5 recomputation upon publish. This parameter is internally set to **True** in case we know the data was crawled into Axcelerate ECA & Collection before this feature was active. This ensures a re-computation of the MD5, even if the native must be fetched solely for this reason.

3.3   Others

Date Field Accuracy (CORE-11018)

Behavior before change

The accuracy of date fields was minutes. The value range of numeric fields was 0 to 2147483647.

Behavior after change

The accuracy of date fields is milliseconds. The value range of numeric fields is 0 to 9223372036854775807.

Known Limitations

Existing date entries are kept with an accuracy up to a minute, though they automatically get converted to the new persistence format during the first re-start of the engine after upgrade to the new software version.

Storage Handler for Print Results (CORE-18799)

Behavior before change

PDF print results could only be manually deleted by an Administrator, and they could only be placed on a file-based system, that is, locally or on a NAS.

Behavior after change

A new SQL-managed PDF printing storage handler with the new storage file type **PDF Printing** is supplied that actively manages PDF print results in file-based or Amazon S3 storages. With this storage handler, outdated PDF files generated by users are automatically removed when the print job is removed from the display (after a configurable time period after the job has finished).
The storage handler is used by default for new projects only. Updated projects must be configured to use it. If configured correctly, the storages are converted after the first re-start of the engine after upgrade.

Changes to Default Configuration

For the export functionality, no configuration changes were needed.
For the storage handlers, a user can now also configure a storage file type **Pdf Printing** that is used to handle printing result files, as for the storage handler type (file- or S3-based, sql managed ....) all handler types are thus supported.
The current default templates include such a configured handler, legacy applications are left unchanged. If legacy results are present, and a user adds a new storage handler of this file type, a fix job is triggered on the next engine start to transfer file from a legacy location to this new handler.

Known Limitations

If PDF print results are still handled in legacy mode, the results are not exported and not imported. We thus expect a PDF printing storage handler for the export of print results to work.
If multiple applications use the same folder for Axcelerate legacy productions, all are included in the export and are imported again. This is due to the fact that an engine has no knowledge on which productions belong to it.

Secure Communication Between Infinispan Instances (FOUND-9957)

Behavior before change

When using session synchronization, content was sent to the network unencrypted.

Behavior after change

When using session synchronization, content is sent to the network encrypted.

Changes to Default Configuration

Default now always uses encryption. No changes to any configuration files required. Encryption of this data is now *always* on and will not be switched off at all.

SSO Integration for OpenText Directory Services (OTDS) Authentication (FOUND-10378)

Behavior before change

SSO integration for OpenText Directory Services (OTDS) authentication was not supported for Axcelerate 5.

Behavior after change

SSO integration for OpenText Directory Services (OTDS) authentication is supported for Axcelerate 5.

Extraction of ACL from Microsoft SharePoint (FOUND-11215)

Behavior before change

Extraction of ACL information from Microsoft SharePoint was not supported.

Behavior after change

Extraction of ACL information from Microsoft SharePoint is supported.

4 Issues Resolved in Axcelerate 5.13.1

4.1 AXC-35396 (Log in)

Summary	New Behavior
When trying to log in to Axcelerate 5 before any project was imported/created, the log in failed even with valid credentials.	It is now possible to log in to Axcelerate 5 without any existing application.

4.2 AXC-37754 (Native Conversion)

Summary	New Behavior
If **AutoFitColumnsAndRows** was requested for a Microsoft Excel worksheet and a cell contained text with more than 255 characters, not all content was visible in the output.	If **AutoFitColumnsAndRows** is requested for a Microsoft Excel worksheet and a cell contains text with more than 255 characters, the text in the column is wrapped. Additionally, a **ContentPotentiallyMissing** warning will denote the worksheet and the column, as the native conversion output still may not contain all content.

4.3 AXC-39054 (Production)

Summary	New Behavior
Bates number filtering was broken after renaming a production workflow.	Bates number filtering works properly for renamed production workflows.

4.4 AXC-39142 (Log Messages)

Summary	New Behavior
Log messages were written twice (to the console and a log file).	Log messages are no longer written to the console.

4.5   AXC-39145 (Log Files)

Summary	New Behavior
It was not possible to set the path where the tomcat-access-logfiles would be written to.	It is now possible to set the path where the tom-cat-access-logfiles will be written to. This can be done by altering the jvm-property "tom-cat.log.dir". For AWS-instances, this property is set by GAIA.

4.6   AXC-39146 (Tagging)

Summary	New Behavior
On the **Review** page, a comment was trimmed at 100 characters if the same document was saved twice or more often.	A comment is not truncated at 100 characters if the same document is saved twice or more often.

4.7   AXC-39161 (Tagging)

Summary	New Behavior
Tagging events in the productivity database that needed to be replayed with a script, lost their reference to the worklog entry.	Tagging events in the productivity database that need to be replayed with a script, now get the properly imported new worklog entry reference.

4.8   AXC-39168 (Production Images)

Summary	New Behavior
The production image of a PDF file contained black boxes.	The black box issue is resolved.

4.9   AXC-39173 (Exception Resolution)

Summary	New Behavior
Exception Resolution did not work on projects with a numeric identifier namespace that ended with an underscore.	Exception Resolution works on projects with a numeric identifier namespace that ends with an underscore. Please note, namespaces that end with a digit (0..9) are not supported.

4.10   AXC-39385 (Universes)

Summary	New Behavior
Review workflow universes stayed in an *updating* status forever if the engine was shut down during the update.	The engine shut down triggers a retry.

4.11   AXC-39426 (Conversion)

Summary	New Behavior
The PDF conversion failed for three special documents.	The PDF conversion for the three special documents now succeeds.

4.12   AXC-39490 (Productivity Report)

Summary	New Behavior
The Productivity report was not automatically executed every day.	There is now a background job that will trigger the Productivity report every day if the engine is running. This can be configured with a cron expression to increase or decrease frequency.

4.13   AXC-39495 (CSV Export)

Summary	New Behavior
The **Jobs** tab was the only place where you could find out if a CSV export failed.	The CSV export folder contains a *.success* file if the export was successful.

4.14   AXC-39526 (Bulk Printing)

Summary	New Behavior
Users were not able to sort bulk print production images using custom criteria.	Users can sort bulk print production images using custom criteria.

4.15   AXC-39553 (Printing)

Summary	New Behavior
Produced documents could not be printed after renaming a production workflow.	Produced documents can now be printed after renaming a production workflow.

4.16   AXC-39597 (Production)

Summary	New Behavior
Documents with more than 1500 pages could not be produced to TIFF successfully due to *IPC pipe closed* conversion issues.	These documents are now produced successfully.

4.17   AXC-39680 (SQE Report)

Summary	New Behavior
Cache replication failed because of a non thread safe value.	All replicated values are thread safe.

4.18   AXC-39728 (Visualization panel)

Summary	New Behavior
If the display name of a field used in the **Visualization** panel, for example, **Document Date**, was changed, the **Visualization** panel would be empty and an error appeared in the JS console.	Display names of fields used in the **Visualization** panel can be changed without the panel breaking.

4.19   AXC-39738 (Folder/Field/Category Order)

Summary	New Behavior
If a folder/field/category ID contained a forward slash, it could neither be reordered nor edited.	A folder/field/category ID can contain any character (that CORE accepts) and it can be reordered and edited, just like others that do not contain special characters.

4.20   AXC-39742 (Project Migration)

Summary	New Behavior
A project migration export would fail if the Qlik configuration was invalid, even if Business Intelligence was disabled for the project to be exported.	Project migration skips the Business Intelligence step if Business Intelligence is not enabled for the project.

4.21   AXC-39770 (Project Cloning)

Summary	New Behavior
An Axcelerate project with a folder-/field-/category-ID containing a hierachy delimiter (usually a forward slash) could not be used as project template for project cloning.	Regardless of the folder-/field-/category-IDs in an Axcelerate project, it can now be used as a template for project cloning.

4.22   AXC-39811 (Viewer)

Summary	New Behavior
The rendition of some natives in the Brava viewer had shifted content.	A hotfix from IGC solved the issue.

4.23   AXC-39916 (Production Workflow)

Summary	New Behavior
It was not possible to change the configuration of a production workflow, for example, the order of production rules, when the workflow contained production sets that were created before Axcelerate 5.12.	The configuration of a production workflow can always be changed and will not generate an error.

4.24   AXC-39917 (Smart Filters)

Summary	New Behavior
When the sort option in a Smart Filter was changed to anything other than **Count**, it was not possible to add more values by clicking **Add 100**.	Clicking **Add 100** now adds more values regardless of a Smart Filter's sort setting.

4.25   AXC-40182 (Exception Resolution)

Summary	New Behavior
Exception resolution workflow crashed due to a long data source identifier caused by a too long engine identifier.	It is now ensured that the generated data source identifier never exceeds the length limit. This is achieved by shortening the engine name, which is part of the resulting data source identifier string. Hence, the exception resolution workflow no longer fails because of a too long data source identifier.

4.26   AXC-40259 (Tagging Panel)

Summary	New Behavior
The **Tagging** panel did not update once the associated results view was used.	The **Tagging** panel updates even when the associated results view is used.

4.27 AXC-40260 (Bates Smart Filter)

Summary	New Behavior
Power Reviewer user received an error when attempting to use the **Bates** Smart Filter.	Power Reviewer user no longer receives an error when using the **Bates** Smart Filter.

4.28 AXC-40297 (QueryPlan-Cache)

Summary	New Behavior
The hibernate query plan cache could cause out of memory issues on very large pods.	The size of the query plan cache is configurable.

4.29 AXC-40386 (Application Access)

Summary	New Behavior
Upon opening an Axcelerate Review & Analysis application, Reviewer users were redirected to the **Assignments** page with the wrong port.	Users are correctly redirected to the **Assignments** page.

4.30 AXC-40467 (Printing/Producing Document with Markup File)

Summary	New Behavior
Printing or producing a document with a specific markup file failed.	It is now possible to print or produce the document with the markup file.

4.31   CORE-16247 (Number of Image Pages)

Summary	New Behavior
A document could receive multiple entries for the number of image pages, for example, from a CSV merge. This resulted in an exception when running a production as the respective field was expected to contain a single value.	When multiple values are present in the number of pages field during a production or for a print job, the values are deduplicated in the sense that if the field contains the same values multiple times, they are condensed to one value. If the values differ, an exception is still thrown.

4.32   CORE-17767 (Concept Group Detection)

Summary	New Behavior
Incremental training of an aspect model could cause external learning process to crash.	Fixed potential training failure.

4.33   CORE-17843 (Conversion)

Summary	New Behavior
Microsoft Project (.mpp) files were converted using the **Fit to page** scaling option. As a consequence, wide pages were unreadable in **Near Native** view.	Microsoft Project (.mpp) files are now converted without any scaling. As a result, the page count might increase.

4.34   CORE-18610 (Resource Management)

Summary	New Behavior
Session expiration did not free all associated resources.	Resource management is improved and frees all active resources.

4.35 CORE-18756 (CJK Term Tokenization)

Summary	New Behavior
The configuration framework provided a table called CJKTermTokenizer_activeWordTypeTable which was responsible for maintaining a list of text types which included to-be-tokenized CJK terms. There was a mechanism to automatically update this table. This mechanism was overly complicated, error prone, and led to follow up issues.	The table CJKTermTokenizer_activeWordTypeTable was removed in favor of a simple parameter list CJKTermTokenizer_activeWordTypes which simply holds the names of text types which will have CJK Term tokenization enabled. This parameter list is liberated from further code/logic constraints.

4.36 CORE-18769 (CSV Merge)

Summary	New Behavior
A CSV merge for full text with references to large text files produced out of memory errors.	Memory requirements for CSV merges for full text were reduced.

4.37 CORE-18931(Session Timeouts and Logouts)

Summary	New Behavior
Session timeouts and logouts could result in increasing demands of java heap memory, which led to outages in engine servers.	Session timeouts and logouts close resources properly.

4.38   CORE-19113 (Engine Deletion)

Summary	New Behavior
Deleting a single engine in CORE Administration resulted in extremely long-running jobs in the postgresql database which affected performance on unrelated queries and caused the CORE Administration to hang.	Deletion of a single engine is very fast if the natives, document views, etc. have been deleted in advance (mark documents as deleted followed by save or migratestorage -op delete). Deletion of a single engine is considerably faster than before if the storage has not been deleted in advance, and poses less impact to unrelated software components (like the Axcelerate application). However-,CORE Administration is still frozen until the job is done. Note that deletion of a single engine does not delete the natives, images or other storage items. This is beyond the scope of this issue.

4.39   CORE-19114 (Crawls)

Summary	New Behavior
Certain dates patterns from SharePoint could not be parsed.	All dates coming for SharePoint conforming to ISO 8601 are successfully parsed.

4.40   CORE-19115 (Performance)

Summary	New Behavior
Automatically started background engine jobs which prepare billing aggregates involved too much work on the central postgresql database which caused slowness and errors in Axcelerate 5.	The upgrade jobs are faster and pose less demands on the sql database. Axcelerate 5 is no longer affected by these background jobs.

4.41   CORE-19207 (Crawls)

Summary	New Behavior
To resolve a potential race condition regarding meta-engines, the target engine was informed twice about the start of a crawler. Another race condition caused the crawler to report its completed state before the second starting state was reported, leaving the engine in a confused state.	The engine now ignores subsequent startCrawler calls in case the start of that exact crawler has already been reported.

4.42   CORE-19219 (Engine Save)

Summary	New Behavior
A flush operation triggered unnecessary defragmentation runs of the swap file.	A flush operation no longer triggers unnecessary defragmentation runs of the swap file.

4.43   CORE-19242 (Publish)

Summary	New Behavior
A publish containing lots of junk documents caused internal data structures to grow very large. The posting container merge thread and the defragmentation thread were competing about the same data structures, which cause the merge to run very slow. The NDC also tried to update the same data structures at the same time.	The merge code now deactivates defragmentation of the posting containers until the merge is finished or interrupted.

4.44   CORE-19545 (Microsoft Office 365 Exchange Connector)

Summary	New Behavior
Internal Exchange Online server errors caused the crawl to abort.	Internal Exchange Online server errors are retried before they abort the crawl.

4.45   CORE-19570 (Smart Filters)

Summary	New Behavior
When folder fields were requested as regular fields, the engine was fetching them also from the slower (large) document store data structure.	Folder fields are now only fetched from the fast in-memory data structures. If there are no remaining regular fields, or if these fields are all stored in the metadata document store, the expensive fetch in the large document store is skipped.

4.46   CORE-19574 (Predictive Coding)

Summary	New Behavior
Coding of manual categories as part of each change operation only allowed a single manual category to be coded, causing the training to fail.	Every change operation can tag as many manual categories as needed.

4.47   CORE-19634 (Publish)

Summary	New Behavior
Publish with Remove Duplicates option could fail if there were hundreds of sub engines underneath a meta engine.	Likelihood of a publishing failure with a large number of sub engines underneath the publishing source has been reduced.

4.48   CORE-19647 (CSV Merge)

Summary	New Behavior
Using CSV merge to change the full text of documents could be configured such that the old content was fetched. This could lead to out-of-memory errors.	It is no longer possible to configure CSV merge in such a way that it causes the full text to be fetched. As a consequence, the old full text is not written into the backup CSV file.

4.49   CORE-19663 (SQL Database)

Summary	New Behavior
An inconsistency between index and external SQL database caused a null pointer exception.	The inconsistency is detected and handled properly.

4.50   CORE-19697 (Service Tier Restart)

Summary	New Behavior
A disappearing Service Tier instance when multiple Service Tiers are available caused an unnecessary re-login for the event notification service of each engine at a remaining Service Tier.	When multiple Service Tiers are present, the event notification service will reuse valid sessions at all known Service Tiers and re-login only if the reused session is no longer valid.

4.51   CORE-19718 (Printing)

Summary	New Behavior
Emails renditions had a very small margin such that paper printouts caused unnecessary work.	Email renditions have bigger margins. This also affects produced emails and printed emails. To this end, affected emails need to be reconverted.

4.52   CORE-19719 (Defragmentation Thread)

Summary	New Behavior
The defragmentation thread did not always continue after it had been interrupted.	The defragmentation thread now always continues after it has been interrupted.

4.53 CORE-19853 (CSV Merge)

Summary	New Behavior
Doing a CSV merge to update the natives of documents could lead to a fatal error.	Doing a CSV merge to update the natives of documents does not lead to a fatal error.

4.54 CORE-19857 (Storage Database)

Summary	New Behavior
When changing clientID and caseName for an empty project, the updated values were in some cases not propagated to the storage database, leading to inconsistent states of the database that prevented an engine from restarting.	Allowed changes to clientID and caseName are now correctly propagated to the storage database.

4.55 CORE-19923 (Automated Workflows)

Summary	New Behavior
Automated workflows failed due to an incompatible change in a sub-component.	Automated workflows work as intended.

4.56 CORE-19930 (Searching)

Summary	New Behavior
Any Value and **No Value** searches could take a very long time causing timeouts in the front end.	Time to execute **Any Value** and **No Value** searches is now in the subsecond range.

4.57 CORE-20325 (Storage Handlers)

Summary	New Behavior
A software upgrade no longer supported a storage setup with non-unique identifiers.	Support for non-unique identifiers of storage handlers is restored.

4.58 FOUND-9767 (Publish)

Summary	New Behavior
Review engine may stop automatically during a publish, if deduplication takes hours.	Review engine is started automatically during publish.

4.59 FOUND-10931 (Reports)

Summary	New Behavior
Some reports were available from CORE Administration that were not designed to work from this application.	Reports not designed for CORE Administration are no longer offered in CORE Administration.

4.60 FOUND-11278 (Performance)

Summary	New Behavior
Deleting entities caused a failure which was not handled properly and was not visible. As a result, a transaction remained open and unnecessarily used CPU time.	Open transactions are now closed when a call returns.

4.61 FOUND-11327 (Ingestion)

Summary	New Behavior
rename_inputtags post processor did not rename Message-ID, causing it to not be mapped correctly.	rename_inputtags post processor is case insensitive for Message-ID, which will now be mapped correctly.

4.62 FOUND-11442 (Crawls)

Summary	New Behavior
OST files that are in use cannot be processed under Microsoft Windows 10.	OST files that are in use can be processed under Microsoft Windows 10.

4.63   FOUND-11504 (Crawls)

Summary	New Behavior
After OST processing, the E1 error, *Error trying to unbind the remote server*, appeared in the logs.	The E1 error, *Error trying to unbind the remote server*, does not appear in the logs after OST processing.

4.64   FOUND-11515 (Global Saved Search)

Summary	New Behavior
Global search updates resulted in an exception.	Global search can be updated without an exception.

4.65   FOUND-11576 (Conversion)

Summary	New Behavior
For some .docx Word documents the last saved date was set to the conversion time.	The last saved date is locked before any save action occurs during a conversion for all Word documents. The last saved date will not change during conversion and reflects the last modified date from the Word document's internal properties.

4.66   FOUND-11614 (Data Source Configuration)

Summary	New Behavior
Actions were not executable on the Axcelerate ECA & Collection monitoring tab.	Actions are executable on the Axcelerate ECA & Collection monitoring tab.

4.67   FOUND-11946 (Axcelerate Ingestion)

Summary	New Behavior
Disabling the **Hardware** tab rendered all remaining monitoring tabs dysfunctional.	Disabling the **Hardware** tab no longer breaks the functionality of the other monitoring tabs.

4.68   FOUND-11993 (Crawls)

Summary	New Behavior
MHTML files created for NSF entries did not have a body or had only a partial body if the NSF entry was a malformed HTML mail without body HTML tags or contained content before the first body HTML tag.	MHTML files created for NSF entries have a body even if the NSF entry has a malformed HTML body.

4.69   FOUND-12106 (Crawls)

Summary	New Behavior
If attachment removal was enabled, the natives for MSG files/PST entries did not have a visible body if they had a PR_RTF_COMPRESSED body and an HTML body, but no text body and the PR_RTF_IN_SYNC property was false.	If attachment removal is enabled, the natives for MSG files/PST entries do have a visible body if they have a PR_RTF_COMPRESSED body and an HTML body, but no text body and the PR_RTF_IN_SYNC property is false.

5 New Feature Descriptions for Axcelerate 5.11.1

5.1 Axcelerate 5 Front End

Axcelerate 5 Application Cloning (AXC-36962, AXC-36956)

Behavior before change

For a new Axcelerate 5 matter cloned from an existing one, no application-sided changes were made.

Behavior after change

For a new Axcelerate 5 matter cloned from an existing one, the following application-sided settings are copied into the new matter:

- Fields and values, including **Review State** field values
- Tagging arrangements, including the corresponding fields and values, tagging rules, quick tags, and the mapping to review states
- Universes, review workflows and their settings, including document independent searches (scopes, samples and iterations are not copied).
- Batching Templates
- Production Templates

> **Caution:** The security for arrangements is not copied, that is, it remains set to **Everyone** to make sure all users in the new matter have access. If an arrangement in the new application requires security, adjust the user group access on the **Arrangements** page.

Changes to Default Configuration

The axcelerate.standaloneSystemTemplate-Axc5-v2.config.xml has a new property enabled by default (litigation_ngTemplatable).

Known Limitations

The matter to clone must be in the same pod and must be both running and enabled for cloning (new internal application configuration/enabled by default for axcelerate.standaloneSystemTemplate-Axc5-v2.config). Cloning an offline matter or a matter existing in a different pod is not possible.
All settings are cloned, that is, you cannot pick and choose which settings are copied to the new matter.

Schedules are not supported by templates.

Ad-Hoc Batching (AXC-19919)

Behavior before change

The **Review Workflow** panel was used to batch documents from the **Analysis** page. This required prior project setup where at least one review workflow was added to the universe and often the default batching templates needed to be customized to match project specifications.

Behavior after change

Documents can now be batched from the **All Documents** universe using the new **Batch Documents** wizard, located on the **Analysis** page in the **Actions** menu for the **Results** list. The wizard allows users to add review workflows and configure custom batch settings on-the-fly. If prior project setup was conducted, users also have the option to select existing review workflows and preconfigured batching templates.
If documents are missing from the universe, the user is warned those documents will be skipped from the batching.

Known Limitations

Ad hoc batching can only be used with the **All Documents** universe. The original batching functionality remains and can be used to batch documents from custom universes.

Default Arrangements Enabled for Corresponding Review States (AXC-36238)

Behavior before change

The default tagging arrangements were not enabled for any review state.

Behavior after change

Two default associations will exist in new Axcelerate Review & Analysis matters:

- The **1st Level** tagging arrangement will be enabled for the **First Pass Review Complete** review state.
- The **2nd Level** tagging arrangement will be enabled for the **Second Pass Review Complete** review state.

Changes to Default Configuration

The default **1st Level** and **2nd Level** tagging arrangement are enabled for the corresponding **First / Second Pass Review Complete** review state.
Existing matters are not affected, this change is only used for newly created Axcelerate 5 matters.

Application-level User Security (AXC-37590, AXC-12625)

Behavior before change

Access to Axcelerate 5 features was controlled by assigning user groups to one or multiple of the following roles:

- Reviewer
- Power Reviewer
- Power User
- Case Manager

Behavior after change

In addition to the existing role-based security, the following features can also now be added or removed individually for individual user groups in CORE Administration:

- Download native files
- Manage batches
- Bulk tag documents
- View associated documents outside of batch
- Manage rights of users to pull batches
- Add and modify field values on the tagging and foldering panels
- Manage fields via the Fields & Values page
- Manage arrangements
- Access document history
- Manage batching templates

Links Added to Login Page (AXC-36238)

Behavior before change

The Axcelerate 5 login page contained two links: **Reset password** and **Support terms**.

Behavior after change

The Axcelerate 5 login page contains up to five links: Reset password, Support terms, Training & Certification, Mind over Matters blog, and Online Help. Via configuration these links can be changed.

Changes to Default Configuration

New settings in the webtier.user.properties can be used to control the label and target for up to five links on the login page of Axcelerate 5:

- axcng.navigation.root.branding.section1.label=Passwort zurücksetzen
- axcng.navigation.root.branding.section1.url=http://zurueck.recomind.de

- axcng.navigation.root.branding.section2.label=Nutzungsbebedingungen
- axcng.navigation.root.branding.section2.url=https://terms.recommind.de
- axcng.navigation.root.branding.section3.label=AXCTRAX @ YouTube
- axcng.navigation.root.branding.section3.
  url=https://www.youtube.com/channel/UC6NHYGswQju66MOgRrbMiXA
- axcng.navigation.root.branding.section4.label=
- axcng.navigation.root.branding.section4.url=/
- axcng.navigation.root.branding.section5.label=LaunchPad
- axcng.navigation.root.branding.section5.url=
  https://launchpad.rmcloud.recommind.com/

Per default, the three new links reference the Training & Certification center, Mind over Matters blog, and Axcelerate 5 online help portal.

Known Limitations

The total width for all five links is limited. Exceeding the width limit will cause the links to wrap and not display well.

User Interface Changes

Behavior before change

The **Status** icon in the following locations was red:

- Navigation and Processing pages, to indicate "Not running" applications
- Fields and Values page, to indicate inactive fields
- Templates page, to indicate inactive templates
- Production Workflows>Production Rules page, to indicate inactive production rules
- Preconversion Rules page, to indicate inactive preconversion rules

The icon used to add a new value to a field on the **Fields and Values** page was represented by the ▣ icon.
In the **Tagging** panel, the **Edit** button was used to select documents.
On the **Analysis** page, if you had rights to add or edit field values in the **Tagging** panel, you could take these actions only after first selecting a document to activate the panel.

Behavior after change

The **Status** icon is now gray ○.
The icon used to add a new value to a field on the **Fields and Values** page is represented by the New icon.
In the **Tagging** panel, the **Select** button replaces the **Edit** button for document selection.

On the **Analysis** page, if you have rights to add or edit field values in the **Tagging** panel, you can now take these actions without first selecting a document to activate the panel.

Internet Explorer 10 No Longer Supported (AXC-38536)

Behavior before change

Internet Explorer 10 and 11 were supported.

Behavior after change

Internet Explorer 10 is no longer supported.
Internet Explorer 11 is still supported.

5.2 Data Ingestion

Connector for Content Server 16 (FOUND-11074)

Behavior before change

The LiveLink connector was used for Content Server data. It could not handle Content Server 16 files, as it used an API that is no longer available.

Behavior after change

There is a new Content Server connector that can handle Content Server 16 files. It uses the Content Server REST interface.
It covers the same features but the connection related functionality of the LiveLink connector.

Changes to Default Configuration

None.

Known Limitations

None.

References and Related Documents

Connector for OpenText Content Server.pdf

64-bit Crawls configurable (FOUND-10089)

Behavior before change

Data source crawls were run in 32-bit mode. Crawls were always limited to a 2 GB memory. If large files were loaded in parallel, there was a risk of running out of memory.

Behavior after change

For file share and for publishing data sources, administrators can now configure the data source to use Java 64-bit runtime environment, provided that Microsoft Outlook 64-bit is installed on the crawler server. 64-bit crawls are not limited to the 2 GB memory limit, are faster, and they reduce the risk of running out of memory due to large files.
The default crawl mode is still 32-bit mode, which requires Microsoft Outlook 32-bit on crawler servers.

Known Limitations

The Aid4Mail parser is not compatible with the new 64-bit mode.

Oracle Outside In Upgrade to 8.5.3 (FOUND-9845)

Behavior before change

Outside In 8.5.1 was used.

Behavior after change

Outside In 8.5.3 will be used on new crawls for new Axcelerate 5 projects. This version supports new formats for data loading, including: Microsoft Word, Excel and PowerPoint 2016; Microsoft Outlook 2011 for Mac (OLM and EML); Corel WordPerfect; Corel Quattro Pro; Corel Presentations; Corel Draw X7; AutoCAD 2015.
Outside In 8.5.1 will be used for new and old data sources of existing projects as a default, to avoid unexpected changes in hash values.
Administrators have the ability to change the data source configuration of updated projects to support the new data formats.

5.3   Others

Daeja No Longer Available in Axcelerate Classic User Modules (AXC-29736)

Behavior before change

It was possible to conduct the following actions in the Axcelerate Classic user modules (Axcelerate Analysis and Axcelerate Review) with the Daeja ViewONE applet:

- Create productions
- View documents using **Image** view
- View produced documents using **Production** view
- Convert documents to TIFF
- Create conversion slip-sheets

- Apply redactions and annotations
- Mark and unmark documents **Redaction required**

Behavior after change

The Daeja ViewONE applet is no longer available in the Axcelerate Classic user modules. As a result, the following actions are no longer possible:

- Creating productions
- Viewing documents using Image view
- Viewing produced documents using **Production** view
- Converting documents to TIFF
- Creating conversion slip-sheets
- Applying redactions and annotations
- Marking and unmarking documents **Redaction required**

> **Note:** These actions remain available in the Axcelerate 5 user interface.

Case-wide Sharing for Amazon S3 Storages (CORE-16541)

Behavior before change

Axcelerate Cloud used SQL-managed storage with single-instance storage, that is, de-duplication per storage handler.

Behavior after change

New system templates are available that allow case-wide sharing of image files and native files, that is, file sharing between Axcelerate Ingestion and matters created from Axcelerate Ingestion, thus reducing storage space. If case-wide sharing is correctly configured, deleting Axcelerate Ingestion has no effect on published matters.

Client Agent Supported on Windows 10 (FOUND-9958)

Behavior before change

Agent supported to run on Windows 7.

Behavior after change

Agent supported to run on Windows 10.

6   Issues Resolved in Axcelerate 5.11.1

6.1   AXC-27093 (Duplicate Status Category Display Name)

Summary	New Behavior
A global **Duplicate Status** category had an incorrect display name, that is, **Remove**.	The display name of the global **Duplicate Status** category is again named **Duplicate**.

6.2   AXC-34909 (Results List)

Summary	New Behavior
Values for multi-value fields were not sorted correctly when viewed in the **Results** list.	Values for multi-value fields are now sorted correctly when viewed in the **Results** list.

6.3   AXC-37464 (Production)

Summary	New Behavior
Projects in S3 storage deduced file extensions of exported production native files based on the file's MIME type, which is not always unique and is inconsistent with how file-based projects deduce file extensions.	The exported file extensions are correct: new records stored in S3 explicitly provide fast access to the extension, and old ones fetch the correct extension from the index.

6.4 AXC-37635 (Smart Filters)

Summary	New Behavior
If a filter value contained a *NOT* prefix, for example, *Not Privileged*, and the filter was set to **Exclude** that value, the **Current Criteria** panel showed only the value's display name, for example, *Privileged*, and did not show the *NOT* prefix of the value's display name.	If a filter is set to **Exclude** a value containing a *NOT* prefix, the value's full display name, for example, *Not Privileged*, is correctly shown in the **Current Criteria** panel.

6.5 AXC-37667 (Navigation Page)

Summary	New Behavior
Application sync changes were synchronized with one large database transaction, which could cause a timeout and prevent some matters from displaying on the Navigation page.	The Application sync changes are now done with small transactions and will not cause a timeout.

6.6 AXC-37789 (Production)

Summary	New Behavior
When a production workflow was exported via the **Productions** tab of CORE Administration, the corresponding default production rules were not deleted as expected.	Default production rules are always deleted when their corresponding production workflow is deleted.

6.7 AXC-37790 (Recent Searches)

Summary	New Behavior
Deletion of recent searches caused the Tagging panel to not load.	Deletion of recent searches is now performed using the database instead of application logic, thereby ensuring the Tagging panel will load.

6.8   AXC-37955 (Date Values)

Summary	New Behavior
Date values presented with a time zone, for example, on the **Analysis** page, reports and document history always showed the daylight saving time (DST) variant of the user's preference time zone. The date values, however, were converted to the user's time zone respecting DST. This resulted in wrong time values (shifted by DST offset) to be displayed for dates not within the DST interval of the user's time zone.	The displayed time zone now matches the DST variant of the date to be displayed, that is, dates within the DST interval of the user's preference time zone will show the DST variant and dates outside of the DST interval will display the regular time zone variant.

6.9   AXC-38440 (Page Navigation)

Summary	New Behavior
Persisting the most recently accessed page for a user could lead to an exception in the database and cause a red error box when switching to another page in the application.	Switching to another page in the application no longer causes a red error box.

6.10   AXC-38448 (404 Responses)

Summary	New Behavior
The wrong internal usage of a REST endpoint led to 404 responses from the service-tier, polluting the service-tier Tomcat access log.	The REST endpoint is now correctly used and 404 responses no longer pollute the service-tier Tomcat access log.

6.11   AXC-38650 (Production Export)

Summary	New Behavior
Exporting of a subset of sub-productions could cause the export job to fail when the sub-productions were not contiguous (for instance: export of Vol1 and Vol3 instead of Vol1, Vol2 and Vol3).	Exporting arbitrary subsets of sub-productions no longer causes the export job to fail.

6.12   AXC-38918 (Production)

Summary	New Behavior
Some files with redactions could not be produced successfully and caused the Brava Job Processor to crash.	The affected files with redactions can now be produced successfully.

6.13   AXC-39027(Smart Filters)

Summary	New Behavior
If **Document Date** was removed from the filter panel (configuration located in the engine data model), the **Analysis** page did not show correct paging information and the **Visualization** display stalled.	If the **Document Date** Smart Filter is removed from the filter panel, the **Analysis** page shows correct paging and navigating documents is possible. The **Visualization** panel does not show any information unless the user selects a field to be displayed.

6.14   AXC-39167 (Fetching Categories)

Summary	New Behavior
Fetching categories often threw an IllegalArgumentException.	Fetching categories no longer throws an IllegalArgumentException.

6.15   AXC-39472 (Bulk Conversion)

Summary	New Behavior
When during the bulk conversion background task a database concurrent modification exception occurred, the job was retried 3 times and caused multiple jobs to start.	Now there is no retry for the bulk conversion background task, such that there will not be any duplicated job caused by concurrent modification exceptions in the database.

6.16 CORE-12697 (Conversion)

Summary	New Behavior
Running a "convert for display" job on a document that had been viewed previously resulted in unnecessary and misleading stack traces and unnecessary zip operations on batch servers.	The offending logging and zip operation has been disabled.

6.17 CORE-15615 (Crawls)

Summary	New Behavior
Content Server connector did not support large collections.	Content Server connector now supports large collections.

6.18 CORE-16015 (Crawls)

Summary	New Behavior
Incorrect Oracle Outside In PDF conversion.	Fixed by upgrade to Oracle Outside In 8.5.3 (see FOUND-9845).

6.19 CORE-16389 (Crawls)

Summary	New Behavior
Documentum crawls with custom query but without folder or cabinet in URI were not supported.	Documentum crawls with custom query but without folder or cabinet in URI are supported.

6.20   CORE-16646 (OCR)

Summary	New Behavior
If OCR was executed for an incomplete attachment family and then new documents were indexed and the engine was flushed, the documents for which OCR was executed could have been flagged as MISSING_PARENT and/or MISSING_ ROOT by attachment processing.	When inserting new documents and flushing the engine, the attachment processing no longer affects documents for which OCR had been executed previously, in particular these are not incorrectly flagged as MISSING_PARENT and/or MISSING_ROOT.

6.21   CORE-17085 (CORE Administration)

Summary	New Behavior
Opening the **Jobs** tab for a project with a meta-engine could result in a **NullPointerException** when one of the underlying single-engines was unavailable and thus did not send its job status.	The **Jobs** tab can now be opened for a project with meta-engine even if an underlying single-engine is unavailable. Information on such engine is then missing from the list and the event is logged as an error.

6.22   CORE-17124 (Crawls)

Summary	New Behavior
When crawling a Documentum source, the native storage failed for documents without content description.	When crawling a Documentum source, native storage succeeds for documents without content description.

6.23   CORE-17316 (Stored page count)

Summary	New Behavior
Changing a textual tagging field (either in the user interface or using a CSV merge) caused the stored page count to be removed.	The stored page count is not affected anymore when other fields are changed.

6.24   CORE-17406 (DXL parser)

Summary	New Behavior
DXL parser sometimes caused HTML entities to be shown as document content.	DXL parser does not cause HTML entities to be shown as document content.

6.25   CORE-17458 (WordMap)

Summary	New Behavior
Very long CJK categories could cause a buffer overflow in the WordMap, potentially causing the engine process to crash.	The internal buffer in the WordMap has been increased to prevent it from overflowing. In addition, the maximum length of a category has been reduced.

6.26   CORE-17498 (Engine Saves)

Summary	New Behavior
High server peak memory usage could cause engines to become unresponsive.	Internal exception handling has been improved such that low memory conditions cannot cause engines to become unresponsive anymore.

6.27   CORE-17574 (CSV Load)

Summary	New Behavior
If the content of the field **rm_attachmentprimary** sent by a CSV load was invalid or contradicted the value of **rm_attachmentroot**, then this broke features such as family sorting.	If the content of the field **rm_attachmentprimary** sent by a CSV load is invalid or contradicts the value of **rm_attachmentprimary**, then it is automatically corrected at insertion time. Any correction other than adding a missing value leads to the document being tagged as **Content modification** in the **Exception Class** Smart Filter and as **Resolved inconsistent or invalid attachment primary information** in the **Exception Type** Smart Filter.

6.28 CORE-17759 (Production Storage Handler)

Summary	New Behavior
It was possible to configure a storage handler of an engine for **Bates Number File Storage** and at the same time provide options for **Structured Storage**, which are neither required nor wanted for **Bates Number File Storage**.	Added a sanity check, which causes an engine (re-)start to fail when **Bates Number File Storage** is mis-configured.

6.29 CORE-17772 (OCR Jobs)

Summary	New Behavior
A canceled OCR job led to orphaned temporary files on batch processing servers.	Temporary files are cleaned up after a job is canceled.

6.30 CORE-17833 (Box Native Files)

Summary	New Behavior
Box native files were always downloaded during re-crawls despite their unchanged modification date.	Box native files are only downloaded during re-crawls if necessary.

6.31 CORE-17891 (CSV Load)

Summary	New Behavior
Bloomberg documents with many recipients, loaded by CSV load, produced illegal values for the email thread detection and led to crawler out-of-memory while email threads were computed.	Validity is ensured by means of additional sanity checks and out-of-memory has been avoided by suitable limits.

6.32 CORE-17933 (Native Conversion)

Summary	New Behavior
The conversion of some legacy Microsoft Word and PowerPoint documents failed with the error message, "The document-file is corrupt because it contains no storage object."	The affected legacy Microsoft Word and PowerPoint documents can be converted correctly.

6.33 CORE-17944 (Metadata Display)

Summary	New Behavior
The date 1.1.1970 00:00 was displayed as an empty string in the metadata section of the **HTML-View** that is shown, for example, in CORE Administration. All other dates including 31.12.1969 23:59 and 1.1.1970 00:01 were displayed correctly.	The date 1.1.1970 00:00 is now displayed correctly in the metadata section of the **HTML-View**.

6.34 CORE-17984 (Redaction Jobs)

Summary	New Behavior
Redaction jobs left unused temporary files on batch processing servers.	Temporary files of redaction jobs are cleaned up properly.

6.35 CORE-18010 (Application Deletion)

Summary	New Behavior
A missing database connection could result in inconsistent project relations in CORE Administration when deleting an Axcelerate Ingestion or Axcelerate Review & Analysis application: the involved entities, for example, engines, were deleted, but still shown in CORE Administration.	A failing database connection when clearing a case in CORE Administration will not lead to broken relations. The removed entities are deleted and the user is informed to delete the database entries manually. Leftover entries do not harm further operations.

6.36   CORE-18028 (Index Engine)

Summary	New Behavior
Write-locking an index engine followed by a save, blocked field value modifications.	Field value modifications are processed even if the index engine is write-locked. Additionally, save jobs can be canceled while waiting for the "write unlock."

6.37   CORE-18163 (Sortable Fields)

Summary	New Behavior
The **rm_attachmentcount** and **rm_ embeddingcount** fields were not marked as sortable in the data model configuration. As a consequence they were not visible in the Axcelerate 5 user interface.	A new data model template is now active with **rm_attachmentcount** and **rm_ embeddingcount** being marked as sortable. This change affects only new projects created with Axcelerate 5.11.

6.38   CORE-18304 (File Storage Initialization)

Summary	New Behavior
For read-only storage handlers, existence of directories was checked upon start up of an engine, even though an engine never needs to access these directories.	Existence of directories for file-based storage handlers is only performed for those directories which are actively needed, and lazily for read-only handlers.

6.39   CORE-18313 (Daylight Saving Time Offset)

Summary	New Behavior
When the **Use Unified Time Zone and Date Pattern for Conversion and Export** feature was active, dates in the near native view did not respect daylight saving time.	For each document to be rendered in the near native view, the document's sent/delivery date is retrieved in order to compute the time zone offset for daylight saving time, if appropriate.

6.40 CORE-18424 (Republishing)

Summary	New Behavior
On republish, conversions and redactions were invalidated due to the possibility of changes in natives.	On republish, we now try to identify whether a native or image has been changed. If changed, or if the state cannot be easily determined, we still invalidate; otherwise, conversions and redactions are kept.

6.41 CORE-18530 (Search)

Summary	New Behavior
Queries with proximity operators where one of the arguments contained an apostrophe (for instance O'Reilly /3 William) caused a parse error in Axcelerate 5, but worked fine in other search interfaces.	Queries with proximity operators where one of the arguments contains an apostrophe now work fine in all search interfaces.

6.42 CORE-18543 (Viewer)

Summary	New Behavior
Text view contained only embedded text for documents containing unsplit embeddings.	**Text** view now contains both the main text and the text of embeddings for documents containing unsplit embeddings.

6.43 CORE-18776 (Highlighted Document Fetching)

Summary	New Behavior
Parallel fetching highlighted documents was not limited and could cause out of memory errors in the engine.	Parallel fetching highlighted documents is now limited (by limiting their total memory consumption) to prevent out of memory errors in the engine.

6.44   CORE-18782 (Publish)

Summary	New Behavior
An operation, upon finishing a publish, could lock engine operations for a long time waiting for the master service to provide some information.	The operation to report the finish of a publish is now a non-blocking call, not blocking engine and master service operations.

6.45   CORE-18905 (Sub-engine)

Summary	New Behavior
Adding a further sub-engine causes reviews to be reconfigured unexpectedly: 1) storage compression/deduplication was reconfigured and either delayed start up of review engines or caused start up failures, and 2) storage paths were reconfigured such that reviews failed to find their native documents.	The reconfiguration of compression/deduplication is only done based on the review template and the storage path configuration is only applied during the initial creation of the review engine.

6.46   CORE-18938 (Crawls)

Summary	New Behavior
Running multiple crawlers in parallel led to billing events not being sent for some of them.	Each finished crawler triggers a billing event, even when other crawlers are still running.

6.47   CORE-18963 (OCR Jobs)

Summary	New Behavior
A setup with one batch server configured to process OCR but no conversion, and another with both these roles, could result in unexpected job failures if the document in question had many pages.	In-homogeneous batch server setups no longer result in unexpected job failures.

6.48   CORE-18965 (CSV Merge)

Summary	New Behavior
The **CSV Merge Wizard** bailed out for single engines due to updated storage configuration items.	CSV Merge Wizard works as expected.

6.49   CORE-19110 (Conversion Jobs)

Summary	New Behavior
Projects became unresponsive due to unexpected remote calls when managing finished on-the-fly conversion jobs.	Job management no longer applies remote calls and the project stays responsive.

6.50   CORE-19277 (Improved Index Engine Junk Detection)

Summary	New Behavior
A lof of junk documents were not detected by index engine junk detection. The reason for this was that every line started with a non-base64 character, for example ':'	If index engine junk detection is used, documents are detected as junk if they contain long term sequences that consist of a minimum of 95% of base64 characters and maximally 5% of non-base64 characters.

6.51   CORE-19442 (Service Tier)

Summary	New Behavior
The service tier ran into a deadlock.	The particular deadlock situation has been addressed.

6.52   FOUND-6877 (Crawls)

Summary	New Behavior
Crawling MSG files resulted in Oracle Outside In error.	Fixed by upgrade to Oracle Outside In 8.5.3 (see FOUND-9845).

6.53   FOUND-7526 (Conversion)

Summary	New Behavior
Oracle Outside In failed to convert certain .pdf and .doc files.	Fixed by upgrade to Oracle Outside In 8.5.3 (see FOUND-9845).

6.54   FOUND-7953 (Error Messaging)

Summary	New Behavior
Last Crawl Details dialog in CORE Administration showed an error message without any reference to the error reason. This occurred when the index engine was not running.	The **Last Crawl Details** dialog now shows more information on the error reason when the index engine is not running.

6.55   FOUND-9562 (Crawls)

Summary	New Behavior
Oracle Outside In erroneously reported PDF file as corrupt during crawl.	Fixed by upgrade to Oracle Outside In 8.5.3 (see FOUND-9845).

6.56   FOUND-10045 (Log in Landing Page)

Summary	New Behavior
When using SSO, users were always redirected to the recent matter page after log in.	When using SSO, users are not redirected by default to the recent matter page after log in. Now the same logic for calculating the landing page is used that is also used in the non-SSO case.

6.57   FOUND-10288 (Crawls)

Summary	New Behavior
MBOX files with mixed newline characters were not processed correctly.	MBOX files with mixed newline characters are processed correctly.

6.58   FOUND-10588 (Lotus Notes NSF File Crawls)

Summary	New Behavior
The default CORE configuration was not compatible with Lotus Notes Domino in case RMI over TLS was enabled.	The default CORE configuration is compatible with Lotus Notes Domino in case RMI over TLS is enabled.

6.59   FOUND-10729 (Crawls)

Summary	New Behavior
Microsoft XPS documents got file extension PPT in native storage.	Microsoft XPS documents get file extension XPS in native storage.

6.60   FOUND-10744 (Publish)

Summary	New Behavior
DXL-files (or NSF-entries) containing colon characters in item names produced invalid XML which could not be published.	Colon characters in item names in DXL-files (or NSF-entries) are encoded in the XML and can be published.

6.61   FOUND-11014 (Crawls)

Summary	New Behavior
When the root site of a site collection with an empty path is crawled, there were runtime exceptions and data was missing.	When the root site of a site collection with an empty path is crawled, the affected documents are indexed.

6.62   FOUND-11024 (Export)

Summary	New Behavior
Index engines with a large number of boxes could not be exported.	Index engines with a large number of boxes can be exported.

6.63   FOUND-11061 (Data Source)

Summary	New Behavior
Certain elements in SharePoint were not indexed when their path was too long. Instead, an error resource was created.	SharePoint elements with long path names are now indexed without errors.

6.64   FOUND-11078 (Crawls)

Summary	New Behavior
The crawl agent used the third party tool Hobocopy in a version that did not work on Windows 10.	The crawl agent uses the third party tool Hobocopy in a version which does work on Windows 10.

6.65   FOUND-11212 (Stored Cross-Site Scripting)

Summary	New Behavior
Stored Cross-site scripting was possible in **Display** name input field.	Stored Cross-site scripting is no longer possible in **Display** name input field.

6.66   FOUND-11406 (Native Conversion)

Summary	New Behavior
If the native conversion parameter **Do not print auto dates and time in footer of the slide** is set, all placeholders of the custom layouts of the slides are deleted. This caused a different placement of text on slides of the same size.	Only placeholders having type **datetime** will be deleted on the custom layouts. These placeholders only occur in the footer of custom layouts when placement of text in the slides will not be affected.

6.67 FOUND-11500 (Performance using SSO)

Summary	New Behavior
With SSO enabled, the webtier started an authentication attempt at every incoming http request, leading to long response times.	With SSO enabled, the webtier skips authentication when a request already contains an SSO cookie (which is added after successful authentication).

7 New Feature Descriptions for Axcelerate 5.9.2

7.1 Microsoft SharePoint 2013/Online Connector (Reference ID: CORE-14693)

Behavior before change

Ther was no connector supporting Microsoft SharePoint 2013 or Online for on premise installations.

Behavior after change

The new SharePoint 2013/Online connector supports Microsoft SharePoint 2013 and SharePoint Office 365 for on premise installations.
With this connector, all content types, attachments and library documents are indexed. In addition, indexing of containers, user profiles and hidden items, or items tagged as *NoCrawl* is possible.
The connector offers various data scope filters, such as content type and list template type inclusion/exclusion. Incremental crawls with this connector support deletion.

Known Limitations

- Load balanced URLs are not supported.
- SharePoint farm level is only supported for the User Profile crawl.
- Native files can only be copied at crawl time.
- SharePoint webs and sub webs located on different ports are not supported.

7.2 Microsoft Exchange 2013/Online Connector (Reference ID: CORE-13085)

Behavior before change

There was no connector supporting Microsoft Exchange 2013/Online for on premise installations.

Behavior after change

With the new Microsoft Exchange 2013/Online connector, Microsoft Exchange 2013 and Office 365 for Exchange mailboxes can be crawled for on premise installations. The connector features date range filtering, mailbox inclusion/exclusion, email folder inclusion/exclusion and item type inclusion/exclusion filtering. In addition, it can crawl journal mailboxes for Exchange 2013 OnPremise.

Known Limitations

- Exchange address resolution is not supported.
- Distribution list expansion is not supported.
- Exchange 2013 OnPremise: only one journal mailbox per data source can be crawled.
- No auto discovery support. User must specify Exchange web service URL.
- No public folder support.
- No search folder support.
- Calendar entries accepted into the calendar (ICS files) will not contain any attachments in the native file itself as this is not supported by Microsoft. However, attachments are maintained within the CORE index, are displayed in the user interface and can be exported. This may be an issue for productions that only contain native files. These files should therefore be produced as images.

8   Issues Resolved in Axcelerate 5.9.2

8.1   AXC-34830 (Conversion)

Summary	New Behavior
The conversion to TIFF performance was slow for certain documents.	The conversion to TIFF performance has been improved.

8.2   AXC-36149 (TIFF production)

Summary	New Behavior
Some documents could not be produced to TIFF successfully due to "IPC pipe closed" conversion issues.	These documents are now produced successfully.

8.3   AXC-36649 (Search Query Editor)

Summary	New Behavior
Some Search Query Editor searches timed out after 60 seconds.	The performance of the Search Query Editor search has been improved by reducing the number of requests from the browser and by combining searches.

8.4   AXC-38148 (User preferences)

Summary	New Behavior
Saving user preferences could lead to an error if some unknown parameters were sent to the server.	Unknown parameters will be ignored so that saving user preferences will not fail.

8.5   AXC-38305 (Tomcat security for Axcelerate 5)

Summary	New Behavior
There were several security issues in Tomcat 7.0.63.	Tomcat is updated to 7.0.73 for Axcelerate 5 which contains fixes for these security issues.

8.6   AXC-38437 (Associated Results Searches)

Summary	New Behavior
Search requests for associated results are executed twice in parallel when navigating through the Associated Results lists.	Search requests for associated results are always executed once at a time.

8.7   CORE-9061 (CSV load)

Summary	New Behavior
CSV data load could produce nested tags inside an "rm_numeric_identifier" field.	The XML parser is fixed and produces correct data.

8.8   CORE-9390 (XML document structure)

Summary	New Behavior
Document XML structure could become invalid during publishing, due to wrong place of <rm_id.profile> elements.	The internal <rm_id.profile> elements are now always added to the end of the document's XML structure.

8.9   CORE-14923 (SSL for SQL connections)

Summary	New Behavior
SSL could only be configured if the system had the non-standard configuration "Use no SQL connection pool". This meant that SSL was not possible for SQL-managed storages.	The tool used to configure the SQL connection pool accepts a parameter for SSL and configures the connection pool and its consumers accordingly.

8.10   CORE-17561 (OCR)

Summary	New Behavior
Due to the resource management in distributed computing environments (OCR resource != conversion resource) the engine job manager occasionally started all document jobs for a bulk OCR operation at once. Most of those jobs had to wait in a blocked state within the engine and wait for their respective resource. So, pausing a bulk operation was not possible, since all document jobs were already started and had to be finished first.	The engine prevents starting new document jobs for a macro job when a certain threshold of blocked jobs for that macro job is exceeded.

8.11   CORE-17729 (Export)

Summary	New Behavior
In meta engine projects, the CSV export from some sub-engines could fail.	Likelihood of failure is reduced and the error handling is improved.

8.12   CORE-17845 (Conversion)

Summary	New Behavior
On-the-fly conversions had a long timeout which caused batch servers to receive and hold too many jobs.	Timeout for on-the-fly jobs is back to two minutes.

8.13   CORE-18022 (TIFF conversion, OCR)

Summary	New Behavior
Axcelerate Classic conversion and Bulk OCR did not cover exception documents.	Axcelerate Classic conversion and Bulk OCR cover exception documents. Only documents with these exception classes are excluded from Axcelerate Classic conversion and Bulk OCR: File format, Archive, Password protected/encrypted.

8.14   CORE-18231 (Batch servers)

Summary	New Behavior
A bug in the job grid caused the engine to ignore offline states of batch servers. This caused jobs to be sent to batch servers that were in offline state.	The engine now properly checks the availability of processing resources. In addition, a wide range of exceptions regarding the connection to the batch processor will now result in a retry for the job affected.

8.15   FOUND-10217 (Embeddings)

Summary	New Behavior
Embedding names containing illegal file system characters following the last dot caused exceptions.	Embedding names containing illegal file system characters following the last dot don't cause exceptions.

8.16   FOUND-10593 (Box connector)

Summary	New Behavior
In certain scenarios the number of waiting jobs was very high, leading to high memory consumption.	An optimization is implemented that notably decreases the number of scenarios where this can happen.

8.17   FOUND-10623 (Performance)

Summary	New Behavior
There was a performance regression while extracting native files for PST entries and attached MAPI messages.	Performance for extracting native files for PST entries and attached MAPI messages is restored.

8.18   FOUND-10682 (Datasource)

Summary	New Behavior
Datasource could crash if the recipient table of an Outlook mail was corrupt.	Datasource doesn't crash if the recipient table of an Outlook mail is corrupt.

8.19   FOUND-10764 (Tomcat security CORE)

Summary	New Behavior
Tomcat version used for CORE Administration and Axcelerate Ingestion/Axcelerate ECA & Collection applications was 8.0.33.	Tomcat version used for CORE Administration and Axcelerate Ingestion/Axcelerate ECA & Collection applications is now 8.0.39 which fixes (among others) CVE-2016-3092.

9 New Feature Descriptions for Axcelerate 5.9.1

9.1 Business Intelligence Data Reload (Reference ID: AXC-36598)

Behavior before change

Data for the Business Intelligence dashboard was loaded every 4 hours. A manual reload was not available.

Behavior after change

In addition to the scheduled reload every 4 hours, the new **Reload Dashboard Data** button in the toolbar menu for any **Business Intelligence** dashboard can be used to load the latest data into the dashboard.

Known Limitations

None.

9.2 Current Criteria Panel Enhancements (Reference ID: AXC-37114)

Behavior before change

The applied criteria section in the **Search** panel only allowed to lock and delete applied criteria. To display the specific values, and to edit, the panel needed to be maximized. The maximized height took less than 50% of the **Search** panel, and allowed to display <~10 different criteria without scrolling.

Behavior after change

The applied criteria section in the **Search** panel allows to display, lock, edit and delete applied criteria, without having to maximize the panel height. The maximized height has been increased to 50% of the **Search** panel, allowing to display >~10 different criteria without scrolling.

Known Limitations

None.

9.3 "Responsive" Field Renamed (Reference ID: AXC-37119)

Behavior before change

For new matters, the default field to track responsiveness of a document was named **Responsive** with **yes** and **no** values.

Behavior after change

For new matters, the default field to track responsiveness of a document is named **Responsiveness** with **Responsive** and **Not responsive** values.

Changes to Default Configuration

The default system template is now using the new display name **Responsiveness** for the `ax_responsive` field, and loads the default values **Responsive** and **Not responsive** from a new OWL file.
The OWL file with **yes** and **no** values still exists, but is no longer used by the current template.

Known Limitations

None.

9.4 U Quick Tag (Reference ID: AXC-32949)

Behavior before change

The **L** button applied the last complete tagging.

Behavior after change

The **L** button continues to apply the last complete tagging.
A new **U** button can be used to apply only the last changes to tagging.

Changes to Default Configuration

None.

Known Limitations

None.

9.5 New (NAS) Storage Handling (Reference ID: CORE-16209)

Behavior before change

NAS based projects used storage handlers, called structured storage handler, to store and access documents, for example natives or images, from directory based locations.

Behavior after change

There is now a new (NAS-) storage handler, called structured storage V2, enabling compression and case-wide deduplication and thus enhancing the existing structured storage handler. It truly uses the SQL-managed storage locations, including billing support. The handler also allows for multiple locations, for example drives or NASs, in order to add storage space in case of full disks. This handler is also the default for newly created projects.

Furthermore, a workflow is supplied that allows the user to convert an existing NAS storage into a new NAS storage with different configuration parameters for storage database, compression, and deduplication.

Changes to Default Configuration

The structured storage V2 is the default storage for new projects.

The V2-handler comes with its own set of configuration options, most of them are equal to other handlers (i.e. structured storage), except for the storage roots. These storage roots are used to configure the directories where the objects are saved (known as storage location prefix for the structured storage), and it is possible to give more than one directory where one of these has to be designated as "master". In order to enable case-wide deduplication, the handler will make use of the case name and client id as configured in the application configuration (or master service as fallback).

Known Limitations

The new setup does not support "matter storage".

9.6   Performance Measures (Reference ID: CORE-16714)

Behavior before change

Aggregated performance figures were not collected or reported.

Behavior after change

Performance measures are collected, aggregated and periodically reported to log file, a separate csv file, and via event notification to the Axcelerate 5 reporting database. This provides the ability to pro-actively detect high load situations and provides insight into root causes for high load.

Changes to Default Configuration

Four parameters have been added to the data model configuration under **Common > Event Notification and KPI Reporting** to control the behavior of the collection and generated reports. The added parameters are:

- Active-checkbox (default: on)
- Interval for aggregation and reporting (default: 5 minutes)

- CSV-filename (default: "kpi.csv" in engine-directory)
- Checkbox for reporting database (default: on)

Known Limitations

None.

9.7   Transym OCR Support (Reference ID: CORE-15448)

Behavior before change

Latest supported Transym version was 4.0.0.9.

Behavior after change

Latest supported Transym version is 4.0.0.14.

Known Limitations

None.

10 Issues Resolved in Axcelerate 5.9.1

10.1 AXC-34630 (Foldering panel)

Summary	New Behavior
Partially corrupted field values caused the retrieval of folders in the **Foldering** panel to fail, rendering the complete foldering feature unusable.	The corrupted part of the field values is ignored and the field value is listed in the **Foldering** panel. Functionality is not impacted by the missing part. The incident, including the ID and name of the corrupted field value, is logged in the backend.

10.2 AXC-36584 (Review Workflows page)

Summary	New Behavior
Review Workflows page was not accessible if internal field value properties were missing.	**Review Workflows** page is accessible as the internal field value and its properties are inserted in the same transaction.

10.3 AXC-36619 (Printing)

Summary	New Behavior
Printing with the **Document Overlay** option could not be started, despite having a valid text overlay.	Printing with the **Document Overlay** option and a valid text overlay now works.

10.4 AXC-36706 (Permission synchronization)

Summary	New Behavior
Group permissions could not be synchronized when there was a locked application.	Group permissions can be synchronized if there is a locked application.

10.5 AXC-36811 (Bloomberg chat)

Summary	New Behavior
For Bloomberg chat documents containing invitations with messages, the invitations with messages were not shown in **Text** view.	**Text** view for Bloomberg chat documents now displays both regular messages as well as invitations with messages.

10.6 AXC-37033 (Production workflows)

Summary	New Behavior
Values were not appearing in the **Applied Rule** Smart Filter in production workflow preview mode, even though the **Applied Rule** column of the **Results** list displayed the values.	Values appear as expected in the **Applied Rule** Smart Filter while in production workflow preview mode.

10.7 AXC-37061 (Business Intelligence)

Summary	New Behavior
Billing metrics were not updated and new Business Intelligence dashboards could not be created when there was a meta-engine project in the pod.	Billing metrics are updated and Business Intelligence dashboards can be created even when there is a meta-engine project in the pod.

10.8 AXC-37090 (Pods with high number of applications)

Summary	New Behavior
Reviewer efficiency, creation of new Business Intelligence dashboards, adaptive batching, automatic set creation, automatic iteration creation and pre-conversion rules did not work for some projects when there were more than 50 applications in the pod.	Reviewer efficiency, creation of new Business Intelligence dashboards, adaptive batching, automatic set creation, automatic iteration creation and pre-conversion rules should work with any number of applications.

10.9   AXC-37264 (Metadata panel)

Summary	New Behavior
Fields with a hyphen in the ID (for example **Message-Id)** were not parsed correctly and could not be used in the **Metadata** panel.	Fields with a hyphen in the ID (for example **Message-Id**) are parsed correctly and can be used in the **Metadata** panel.

10.10   AXC-37397 (Tagging rules)

Summary	New Behavior
The backend servers maintain a local copy of all tagging rules. When one server deleted a rule from the database, the other servers did not adapt their local copies and continued to use the outdated rule for display as well as validation.	The backend servers still maintain a local copy of all tagging rules. The synchronization process from the database to these local copies now supports deletion.

10.11   AXC-37398 (Pre-Conversion)

Summary	New Behavior
A pre-conversion rule was running in continuous loop for a corrupted document and lead to a newly created job every 5 minutes.	A pre-conversion rule is no longer running in continuous loop for a corrupted document.

10.12   AXC-37582 (Production)

Summary	New Behavior
Documents were not tagged as production exceptions in case of a production error (for example Conversion pages was not set).	Now documents are tagged as production exceptions in case of a production error (for example Conversion pages was not set).

10.13 AXC-37597 (Performance)

Summary	New Behavior
Concurrent tagging requests from multiple reviewers caused the reload of temporarily cached tagging rules to be triggered multiple times (once for each tagging request). As these processes were queued and not allowed to be run in parallel, some reviewers had to wait very long (up to timeouts in the browser) until their individual process was run. Because this process is tied to the tagging action itself, their review performance decreased.	The reload processes are still queued in a way, but subsequent processes will now detect that a previous process already reloaded the tagging rules and then stop immediately. Thus, while all reviewers will still have to wait a short time for one (i.e. the first) process to complete, they don't have to wait for multiple, redundant reloads anymore.

10.14 CORE-15304 (Redaction file references)

Summary	New Behavior
When re-publishing a redacted document with images, the redaction files were deleted but still referenced in the xml.	When re-publishing a redacted document with images, not only the redaction files are deleted but also the references in the xml.

10.15 CORE-15992 (Property Post Processors)

Summary	New Behavior
When the `recipient_counter` was not last on the Property Post Processors (PPP) list for the data source, the recipient counter field was not populated with the correct count.	The `recipient_counter` is now last on the Property Post Processors (PPP) list for the data source. When the script `updateLegacyApplication.bat` runs as part of the upgrade procedure, it makes sure `recipient_counter` is last on the PPP list.

10.16   CORE-16389 (Documentum crawls)

Summary	New Behavior
Documentum crawls with custom query but without folder or cabinet in URI were not supported.	Documentum crawls with custom query but without folder or cabinet in URI are supported.

10.17   CORE-16439 (Wildcard expansion)

Summary	New Behavior
The data structure used for wildcard expansion was not always updated properly causing missing entries.	The sorted set data structure is now updated properly in all cases. Affected engines are automatically repaired during engine startup. An E2 message is logged if missing entries are found.

10.18   CORE-16868 (Storage utilization statistics)

Summary	New Behavior
CORE storage collection for PDF and EXPORT used hard-coded directories and thus reported incorrect storage utilization statistics.	COREore storage collection for PDF and EXPORT now use configured directories and storage utilization statistics are correctly reported.

10.19   CORE-16975 (Box connector)

Summary	New Behavior
When a document in Box had versions and no existing creator, no documents were indexed for the versions of that document.	Versions with no existing creator in Box are now indexed.

10.20   CORE-17050 (OCR jobs)

Summary	New Behavior
Canceling OCR jobs resulted in lots of temp files (.tif) in the temp folder on the engine host.	Temp files produced by canceled OCR jobs are now cleaned up properly.

10.21   CORE-17106 (Bloomberg data)

Summary	New Behavior
When multiple Bloomberg TXT files were found underneath a TXT directory only the first one was used. In addition, TXT files with an infix after the .[I]B.startdate-enddate section and between the TXT file suffix were skipped.	Bloomberg TXT files with an arbitrary infix after the .[I]B.startdate-enddate section are now considered. In addition, support has been added for subdirectories underneath a TXT parent directory with more than a single TXT file. Subfolders containing mixed Bloomberg messages and Bloomberg instant messages with separate TXT files are also considered.

10.22   CORE-17124 (Documentum crawls)

Summary	New Behavior
When crawling a Documentum source, the native storage failed for documents without content description.	When crawling a Documentum source, native storage succeeds for documents without content description.

10.23   CORE-17133 (Performance)

Summary	New Behavior
An internal warning message was displayed too often causing the engine to become unresponsive.	The logging frequency of the internal warning message has been reduced, thereby fixing the performance issue.

10.24   CORE-17284 (Performance)

Summary	New Behavior
A meta engine unnecessarily computed regex based highlighting expressions, leading to unnecessary memory consumption that could lead to out of memory situations.	A meta engine does not compute regex based highlighting expressions as they are not needed in this case.

10.25   CORE-17312 (OCR jobs)

Summary	New Behavior
Results of an OCR job were stored locally in a processing unit specific temp directory that was cleared when the respective processor crashed, resulting in a FileNotFound Exception for the respective OCR document.	Results of an OCR job are now stored in a temp directory of the respective engine such that a crash of the OCR processor does not wipe out existing results.

10.26   CORE-17316 (Stored page count)

Summary	New Behavior
Changing a textual tagging field (either in the user interface or using a CSV merge) caused the stored page count to be removed.	The stored page count is not affected anymore when other fields are changed.

10.27   CORE-17382 (Conversion)

Summary	New Behavior
Documents with failed native conversion were not always tagged as an exception and not shown in the Conversion Smart Filter.	Documents with failed native conversion are now always tagged as an exception.

10.28 CORE-17458 (Wordmap)

Summary	New Behavior
Very long CJK field values could cause a buffer overflow in the WordMap potentially causing the engine process to crash.	The internal buffer in the WordMap has been increased to prevent it from overflowing. In addition, the maximum length of a field value has been reduced.

10.29 CORE-17567 (Fetching files)

Summary	New Behavior
The system couldn't perform all file fetch operations on faulty projects which contain compressed and uncompressed data.	The system can fetch both compressed and uncompressed files within a faulty project.

10.30 CORE-17592 (Bloomberg)

Summary	New Behavior
Attachments in Bloomberg chat text files that contained any of the file ID delimiters "[" or "]" in their display name were not processed correctly and caused the document to be tagged with an **Archive entry processing error**	Attachments in Bloomberg chat text files that contain any of the file ID delimiters "[" or "]" in their display name are now properly processed.

10.31 CORE-17597 (Bloomberg)

Summary	New Behavior
Duplicate user information in the header of Bloomberg text was causing documents to be tagged with the **Miscellaneous parser error - already seen mail address** error.	A duplicate user information (with partially incomplete data) will now be mapped to its more complete counterpart during parsing of a Bloomberg text header. The error **Miscellaneous parser error - already seen mail address** will still be tagged to documents which are associated to Bloomberg text files that contain more than one user for the same email address.

10.32 CORE-17598 (Bloomberg)

Summary	New Behavior
When the pipe ("|") character was part of a user data attribute in a Bloomberg text file the corresponding chat actions could not be resolved and caused the document to be tagged with **Miscellaneous parser error - unable to resolve user** error.	Bloomberg chat with users which contain the pipe ("|") character in their name is properly parsed now.

10.33 CORE-17639 (Tagging)

Summary	New Behavior
Executing a bulk tagging while a crawler was running could cause a deadlock in the index engine.	There is no deadlock when executing a bulk tagging while a crawler is running.

10.34   CORE-17683 (Memory)

Summary	New Behavior
There was a memory leak when executing the same search multiple times with the same session.	The memory leak when executing the same search multiple times with the same session is fixed.

10.35   CORE-17757 (Batch server status detection)

Summary	New Behavior
Jobs were sent to batch servers that were in some undefined offline state. The resulting exception caused the job to fail but did not refresh the online/offline status.	The corresponding exception causes the host to be treated as offline. Furthermore, logging is improved to enable better tracking of similar issues in the future.

10.36   CORE-17781 (Index engine write lock)

Summary	New Behavior
An exception thrown during an index engine save could cause subsequent write lock attempts to fail.	Internal save counter is reduced in all cases now, even if an exception occurs, and should not cause write lock attempts to fail.

10.37   CORE-17788 (Categorization state display)

Summary	New Behavior
For hierarchical fields the displayed categorization state (**Agreed**, **Disagreed**, **Suggested**) was wrong.	The categorization state is correctly shown for both flat and hierarchical fields.

10.38 CORE-18013 (Document history)

Summary	New Behavior
If text field values were changed using certain scripts, the respective entry in the **Document history** caused an exception in Axcelerate 5.	If text field values are changed using scripts, the respective entry in the **Document history** is displayed.

10.39 FOUND-7160 (Log messages)

Summary	New Behavior
Some log messages were formatted with log4j (WARN/FATAL) priority.	Log messages are formatted without log4j priority.

10.40 FOUND-9536 (Application removal)

Summary	New Behavior
The removal of an application tree with a meta engine lead to error messages in the MasterService log (without any further impact).	The removal of an application tree containing a meta engine has been revised. Error messages with no impact are not created in the Master Service log.

10.41 FOUND-9588 (0 byte file handling)

Summary	New Behavior
NIST filter was applied for empty files.	NIST filter is not applied for empty files.

10.42 FOUND-9644 (PDF date parsing)

Summary	New Behavior
Some formats of the modification date of comments in PDF documents could not be parsed.	Modification dates of comments in PDF documents get parsed correctly.

10.43 FOUND-9712 (Performance)

Summary	New Behavior
For the ECA/Ingestion application, the **Matters** tab loading speed was low with huge numbers of matters.	For the ECA/Ingestion application it is now possible to filter for last updated matters in order to increase the loading speed of the **Matters** tab.

10.44 FOUND-9951 (Performance)

Summary	New Behavior
A large number (> 250k) of temp files from a terminated process caused an out of memory error in the launcher service while deleting those files.	The launcher service is able to clean up an arbitrary number of temp files after a process has terminated.

10.45 FOUND-10039 (Performance)

Summary	New Behavior
Oracle OutsideIn parser service created and left temp files in user temp directory.	Oracle OutsideIn parser service creates temp files in data source temp directory which is deleted automatically.

10.46 FOUND-10073 (Kerberos and Active Directory login)

Summary	New Behavior
The Kerberos and ActiveDirectory login modules used different formats for server lists, leading to errors when copying and pasting from one module to another.	The Kerberos and ActiveDirectory login modules now use the same server list format so that a value can be copied and pasted from one module to another.

10.47   FOUND-10099 (Data source start)

Summary	New Behavior
Data sources could no longer be started if they had been automatically resumed a couple of times before.	Data sources can be started independently of the number of previous automatic resumes.

10.48   FOUND-10104 (Application case name)

Summary	New Behavior
New Application wizard truncated *Case Name* property at the display name's forward slash.	**New Application** wizard no longer truncates *Case Name* property at the display name's forward slash.

10.49   FOUND-10177 (Configuration access)

Summary	New Behavior
InCORE Administration concurrent access by different processes to default configuration could fail.	In CORE Administration concurrent access by different processes to default configurations is now supported.

10.50   FOUND-10214 (SSO login)

Summary	New Behavior
Login via SSO could cause the user session to terminate.	Login via SSO works as expected.

10.51   FOUND-10291 (Exchange connector)

Summary	New Behavior
When using the Microsoft Exchange connector, invalid characters in Microsoft Exchange webservice responses could cause a crawl failure.	Invalid characters in Microsoft Exchange webservice responses are filtered and do not cause a crawl failure.

10.52   FOUND-10308 (Monitoring)

Summary	New Behavior
In the **Monitoring** section of CORE Administration, the **HOST ID** column on the **Data Sources** tab showed the host's display name.	The **HOST ID** column on the **Data Sources** tab shows the host ID.

10.53   FOUND-10466 (Box data sources)

Summary	New Behavior
During Box data source crawls memory consumption for connections to Box was proportional to the overall number of users to be crawled. For high number of users this could lead to Out-Of-Memory issues.	Memory consumption for connections is now proportional to the number of users that are currently being processed. This number should be smaller or equal to the number of threads used for crawling. For crawls in which the overall number of users is high, this results in a considerably smaller memory footprint, strongly decreasing the chance for a Out-Of-Memory issues.

11 New Feature Descriptions in version 5.7.0 Update 1

11.1 JAVA update to JDK 8 Update 92 (Reference ID: Found-9744)

Behavior before change

JDK bundled with the CORE package was a JAVA previous version.

Behavior after change

JDK version 8 Update 92 is bundled with the CORE package. Please reference the Oracle release notes for further information:[**http://www.or-acle.com/technetwork/java/javase/8u92-relnotes-2949471.html**].

Changes to Default Configuration

None.

Known Limitations

None.

11.2 SAML 1.1 AuthN in Axcelerate 5 (Reference ID: Found-9480)

Behavior before change

SAML authentication was not supported for Axcelerate 5.

Behavior after change

SAML 1.1 authentication is now supported for Axcelerate 5.

Changes to Default Configuration

None.

Known Limitations

None.

11.3 Unlimited Number of Fields per Type (Reference ID: CORE-16491)

Behavior before change

Number of fields in any given engine was limited to 256.

Behavior after change

An index engine where the number of fields is enlarged is now automatically upgraded at engine start. If the number of fields changes across a power of 2, the upgrade process may take some time, since a number of data structures need to be converted.

Changes to Default Configuration

None, existing automatic update to data structure now works up to 65,000+ instead of up to 256.

Known Limitations

None.

11.4 Box Connector v2 (Reference ID: CORE-14333)

Behavior before change

Box connector was running on deprecated Box API.

Behavior after change

IBox connector was completely refactored and is now running on the most current version of the Box API (as of May 2016).

Changes to Default Configuration

None.

Known Limitations

Known limitations are described in the Box connector documentation.

12 Issues Resolved in 5.7.0 Update 1

12.1 AXC-34980 (Viewer)

Summary	New Behavior
Viewer sometimes did not load with the error: "Unable to verify the integrity of the configuration data", due to an encryption issue when checking the signature of the config xml.	Retry logic has been implemented which generates a new signed configuration in the case of a decryption failure, thereby avoiding that the error occurs a second time.

12.2 AXC-35230 (Printing)

Summary	New Behavior
Printing in Internet Explorer 11 did not work because the image download responses had no content type header.	The content type header is now set in the BravaServerProxy.

12.3 AXC-36357 (Production rules)

Summary	New Behavior
When accessing the the rules tab on the production workflows page for workflows with a high number of documents, a request timeout could occur.	Only documents where the rule tagging has changed are updated when accessing the rules tab, thereby reducing tagging operations and the risk of timeouts.

12.4 AXC-36379 (Business Intelligence)

Summary	New Behavior
Deleting a user from the database and logging into the application again as that user leads to the generation of a new UUID which prevented the user from accessing their Qlik sheets. In addition, the entire user directory was synchronized rather than a specific user.	A user will get the same UUID even if the user attributes are deleted from the database. In addition, only the current user who is a case manager will be synchronized in Qlik.

12.5   AXC-36464 (Report preview)

Summary	New Behavior
Downloading complex reports could cause an Out Of Memory Error on the App Server.	The downloading of complex reports is now streamed and the preview is limited to 100 values per axis to prevent Out Of Memory Errors.

12.6   AXC-36557 (Comments field)

Summary	New Behavior
The comments text box in the tagging panel did not wrap in newer Chrome versions.	The comments text box in the tagging panel now wraps in newer Chrome versions.

12.7   AXC-36590 (Production)

Summary	New Behavior
Production folder could not be retrieved if a production workflow was renamed and a production for this workflow was started from the Classic UI.	Production groups belonging to production workflows in AXC 5 are not displayed anymore in the Classic UI.

12.8   AXC-36648 (Associated Results)

Summary	New Behavior
The associated results view could highlight the parent document of a selected document, rather than the selected document, if the associated results list exceeded the 500 documents limit.	If the associated results list exceeds the 500 documents limit, and the selected document is outside the viewable range, the selected document is not highlighted and the user sees the error message: "Selected document is outside of viewable range."

12.9 AXC-36676 (Tagging panel)

Summary	New Behavior
UI does not indicate to the user if the Tagging panel is loading.	UI blocks the review panel and indicates status to the user if the Tagging panel is loading.

12.10 AXC-36682 (Filters on Assignments page)

Summary	New Behavior
The **Target Review State** Smart Filter on the **Assignments** page shows the total number of documents in the project to all users.	The **Target Review State** Smart fFlter and the **Assignee** Smart Filter on the **Assignments** page now show an **Apply** link rather than document counts.

12.11 AXC-36688 (Matter access)

Summary	New Behavior
If no pod base URL could be retrieved or was not set by the sys admin, the user was not able to access her matter.	If no pod base URL could be retrieved or was not set by the sys admin, the user will access the matter in the same tab.

12.12 AXC-36899 (Security vulnerability in 7zip 9.20)

Summary	New Behavior
7zip version shipped with Axcelerate 5 was 9.20, which had known security vulnerabilities.	7zip version is 16.0, which fixes the known security vulnerabilities.

12.13   CORE-16577 (Tagging processing)

Summary	New Behavior
The coding queue growth was caused by slow processing of change queue entries. This was caused by lock contention on the index engine due to a mixture of *many* read requests and *long* read requests. Furthermore, the duration of the periodically executed asynchronous Save - where no coding can be processed - was quite long. Additionally we observed reviewer impact of the long queue which was mainly caused by conversion tagging.	The processing speed of the save is significantly improved, minimizing the pause in potential processing of tagging (coding). In order to reduce the impact of the coding queue on the reviewers several changes are now in effect: • The data structures for accessing pending coding information are reconfigured to allow for faster access. • The conversion tagging are processed without blocking write locks. • The locking of the last result vectors is optimized. • The usage of in-memory structures is broadened.

12.14   CORE-16579 (Junk detection)

Summary	New Behavior
When base64 junk was distributed over multiple <text><p> tag sequences, the term based junk detection did not engage.	XML tags between potential junk terms are now skipped during junk detection so junk is recognized across tags.

12.15   CORE-16712 (Bloomberg invitations)

Summary	New Behavior
Chats containing invites were always tagged with a single value even if they contained messages.	Two separate values, "Invite With Message Sent" and "Invite Without Message Sent", are now used for documents with invites.

12.16 FOUND-9171 (Inconsistent configurations)

Summary	New Behavior
Due to a template relation condition, it was possible to create inconsistent configurations.	The template relation condition has been fixed and it is no longer possible to create inconsistent configurations. Additionally a script is provided to manually fix broken projects by inheriting specified template values.

12.17 FOUND-9568 (Service tier)

Summary	New Behavior
The service tier startup blocked for over an hour when the jgroups cluster join process was stuck.	When the jgroups cluster join process is stuck, the service tier startup block is limited to 10 minutes and terminates after this time, freeing the startup synchronizer lock.

12.18 FOUND-9633 (Large cache)

Summary	New Behavior
Cache of presentation objects was growing over time.	Cache is now self-cleaning.

12.19 FOUND-9646 (Cleanup after crawl)

Summary	New Behavior
Data sources always wrote checkpoint information which could lead to time consuming cleanup at end of crawl.	Data sources write checkpoint information only if started with enabled "Automatic resume" option.

12.20 FOUND-9670 (Templates)

Summary	New Behavior
Extended template was not used in data source creation via web service.	Extended template is correctly used in data source creation via web service.

12.21   FOUND-9682 (Oracle OutsideIn operations)

Summary	New Behavior
Oracle OutsideIn operations (parsing, MIME type detection, conversion) failed if running as Windows service.	Oracle OutsideIn operations running as Windows service do not fail.

12.22   FOUND-9750 (Stored search)

Summary	New Behavior
Error message regarding a stored search without search parameters did not reference the stored search.	Error message regarding a stored search without search parameters now includes name of the stored search.

12.23   FOUND-9763 (Engine user session)

Summary	New Behavior
Engine user session was left untouched during long running count operation, causing user to get logged out.	Engine user session is touched during long running count operation so user does not get logged out.

13   Terms of Use

OpenText™ Axcelerate™ 5.15.1 (On Premise)

Release Notes

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This documentation has been created for OpenText™ Axcelerate™ 5.15.1 (On Premise).

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