

OpenText™ Axcelerate™ 5.15

Release Notes

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1 New Feature Descriptions for Accelerate 5.15.0

Accelerate 5.15.0 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 Accelerate 5.15 projects and in existing projects that are upgraded to Accelerate 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 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.

1.4 Document Viewer (AXC-39642)

The viewing technology of the Accelerate 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 Accelerate 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.

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

As a result of the new viewing technology used by Accelerate 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 Accelerate 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.

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

The **Review Display Storage** option in the Accelerate 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.

1.7 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.

1.8 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 Accelerate 5.15 projects and in existing projects that are upgraded to Accelerate 5.15.

1.9 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 Accelerate Cloud systems after the Accelerate 5.15 rollout. This may take some weeks.

1.10 Type-Ahead Field Display (AXC-40951)

Single value, multivalue and hierarchy fields that contain 300 or more values no longer auto-convert to a type-ahead text box display. Instead, the Accelerate 5 **Fields and Values** page contains a **Convert to type-ahead display** check box that you can select to enable the feature.

Active fields previously designated as type-ahead fields by the old threshold value will remain type-ahead fields after a project is upgraded to Accelerate 5.15. If desired, you can then take advantage of this new setting to revert a field back to list style.

Known Limitation

To prevent browser unresponsiveness, the **Values** tab for any field on the Accelerate 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.

1.11 Qlik Sense February 2018 Support (AXC-34837)

Accelerate 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 Accelerate 5.15.

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

1.12 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.

1.13 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 Accelerate 5.15, values that come into Accelerate Review & Analysis with a publish or a CSV merge can be displayed, if fields are configured appropriately.

1.14 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.

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

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

1.16 Microsoft Outlook 2016 (FOUND-12813)

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

Microsoft Outlook 2010 is no longer supported.

1.17 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 Accelerate Cloud systems after the Accelerate 5.15 rollout. This may take some weeks.

1.18 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.

1.19 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.

1.20 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 Accelerate 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 Accelerate 5.15, check this internal setting in the application configuration of Accelerate Ingestion.

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

1.21 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.

1.22 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 Accelerate ECA & Collection, that protects published documents, this results in less duplicates that are loaded, and less storage volume.


1.23 Smart Filters in Accelerate Ingestion and CORE Administration (FOUND-12838/FOUND-12166)



Smart Filters on the **Explore** tab of Accelerate 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.


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

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



1.25 Family Inclusion in Accelerate Ingestion and CORE Administration (FOUND-12706/FOUND-12166)

Family inclusion can now be applied as a sticky filter in Accelerate 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.

1.26 Family Sort for Accelerate Ingestion (FOUND-12828)

Family sort is enabled for Accelerate 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 .

1.27 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.

1.28 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**.

1.29 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.

1.30 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`.

1.31 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.

1.32 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.

1.33 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.

1.34 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, autodiscovery detects the servers on which mailboxes are located.

1.35 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 Accelerate 5.15.0

This section provides information about past issues that have been fixed in the Accelerate 5.15 release.

Key	Release Note
AXC-37926	When a new review universe was created, if an internal error occurred when the search query defining the universe scope was stored, the resulting universe was unusable. Now if there is an error during review universe creation, the universe will not be persisted so the user does not see a broken universe that they cannot work with.
AXC-39854	The Search In Smart Filter on the Navigation and Processing pages only returned perfect text matches. This filter now also finds partial text matches. For example, you can now enter part of a matter name, instead of the full name, and the matter is returned by the search.
AXC-40237	Background processes could fail or be executed multiple times in mis-configured installations or installations under high load. This issue has been resolved.
AXC-40483	On the Accelerate 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-40700	The cursor in the type ahead filter on the Concept Browser page is now correctly set while typing in all supported browsers.
AXC-40788	The add and edit icons were not consistently available for all hierarchical values in the Accelerate Tagging panel. These icons are now always available for all hierarchical values.

Key	Release Note
AXC-40935	Documents with a begBates number and no endBates number could not be produced successfully and the number of steps on the jobs tab was wrong. Documents with a begBates number and no endBates number can now be produced successfully and the number of steps on the jobs tab is correct.
AXC-40969	The default value for external bates prefix, even if not used, was an empty string. The external bates prefix is now set to "null" unless it is explicitly configured with a value.
AXC-41051	Copy and paste functionality in Chrome for Smart Filter list entries now works as it did in Accelerate 5.7, with the exception of the Any Value and No Value document counts.
AXC-41183	When a No Value or Any Value Smart Filter was applied, a user could not download a Document List report. The issue is now resolved and users can download a Document List report at any time.
AXC-41252	Using CORE Administration, it was possible to delete productions/sub-productions that belonged to an Accelerate 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 Accelerate 5 production workflow via CORE Administration, they receive a warning and an explanation of why this is not possible.
AXC-41259	When the Navigation page was sorted by a non-distinct field, such as Type, and the matter list spanned multiple pages, matters were not correctly listed. Matters were either missing from the list or they displayed on multiple pages. The Navigation page now sorts consistently across multiple pages, even when sorted by a non-distinct field.

Key	Release Note
AXC-41269	When a user selected a document in the Results list on the Analysis page and then clicked in the POS column before they clicked Save + Next, they received an error. In this scenario, the tags are now saved and the user is correctly moved to the next document in the Results list.
AXC-41279	When a user applied a quick tag using a shortcut, such as CTRL + L, the user received a JavaScript error and the tagging was not saved. Tags are now correctly saved when they are applied in this manner.
AXC-41335	Automatic shutdown of a matter after a period of inactivity did not happen if the document viewer was used at least once every hour on another matter. Document viewer activity no longer prevents the automatic shutdown of inactive matters.
AXC-41400	In very specific circumstances, content entered into a text field did not save. This only occurred when a user was in bulk tagging mode and clicked a second time in the text field without making any new changes. Text fields now save correctly in this scenario.
AXC-41409	The custom association icon was not being populated in the Analysis page Results list for documents with a custom association. The custom association icon is now correctly activated for documents with a custom association.
AXC-41429	When viewing PDFs that contain dynamic forms in Near Native or Redaction view, that content, such as electronic signatures, could be missing. In Accelerate versions prior to 5.15, this issue was resolved by a third party hotfix for both views. In Accelerate 5.15, this issue is now resolved by a third party hotfix for Redaction view only. In Accelerate 5.15, the issue still exists for Near Native view due to the viewer technology that is used for that view.

Key	Release Note
AXC-41438	When the Expand toggle was activated in the Concept Group Smart Filter, the concept group values were not being fully displayed. The full concept group values are now displayed when the Expand toggle is activated.
AXC-41463	Users can again access the Foldering panel and view the Workspace field values on the Axcelerate Fields and Values page in projects that contain more than 1,000 values in the Workspace field.
AXC-41475	A user can again tag a field by clicking on the name of a field value instead of only by clicking directly on a value's check box.
AXC-41597	If the native file is a large image, conversion will now automatically adapt the display quality for the Image and Redaction view.
AXC-41598	When viewing a document set that was queued for production, the Applied Rule column of the Results list did not display any values. The Applied Rule column is now correctly populated with values.
AXC-41624	Documents could not be produced successfully if a production was started while production rule tagging was not yet finished due to coding queues. When this occurred, no active production rule could be found for the affected documents. To resolve the issue, pending rule tagging is now also evaluated during the production job and production rules are found under coding load.
AXC-41655	When ax_batch is configured as a field for document highlighting, users no longer receive a red error box when they click on a document.
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.

Key	Release Note
AXC-41713	<p>Application syncs overrode newer status information with old status information when a user started a matter by clicking the Start button on the Navigation page. To fix the issue, the simple application sync now provokes a concurrent modification exception in the case of a concurrent update, for example, if a user clicks the Start button. The expensive application sync will only update those fields that are not updated by the simple application sync. The single application refresh, which is executed after upgrade and after the engine is started by the Start button on the Navigation page, will now update the application as before and will trigger the upgrade/bootstrapping call directly afterwards. This way a manually started matter will update to status Starting when the Start button is clicked. Afterwards, the finish of the upgrade step will update the status to Running. Any of the application syncs will get a concurrent modification exception instead of overriding the newer /concurrently changed information with a old status information.</p>
AXC-43523	<p>Clicking on labels of check boxes and radio buttons on the Tagging panel caused unexpected tagging results when the values of different fields had the same ID. The issue was fixed by concatenating fieldId and folderId, to make the identifiers unique.</p>
AXC-43524	<p>Searches and highlighting settings for the document viewer will now be persisted by user and project in the browser's local storage.</p>
AXC-43533	<p>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.</p>

Key	Release Note
AXC-43534	The number of fetched field values on the Accelerate Fields and Values page is now only limited for fields that have been converted to a type-ahead display, as managing those fields on Fields and Values page is not supported.
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-43573	Only matters that require an upgrade after an applied software upgrade/patch will be put into maintenance mode. If a matter-specific update action is not required, the matter will be active and available to users on the Navigation page.
AXC-43669	Project bootstrapping/initialization could get stuck if the service tier was shut down or a SQL connection was interrupted. Project bootstrapping/initialization is now automatically retried up to 15 times if the service tier is shut down or a SQL connection is interrupted.
AXC-43823	The critical region only one service tier can enter at a time is now faster, because the feature permission synchronization is now started afterwards. Multiple service tiers can now startup faster and be recognized as "up and running" even in large environments.
AXC-43871	In the Tagging panel, searching for values in a field that had been converted to a type-ahead display resulted in unclosed search sessions. These sessions now close correctly.
AXC-43876	Performance related to large field searches was improved.

Key	Release Note
AXC-43918	The "Pull" functionality on the Accelerate Assignments page resulted in high load in the index, and could result in down time if many users pulled review batches at the same time. Pulling batches is now stable and considerably faster.
AXC-44001	Long running background processes could cause an Accelerate project export to time out. These processes now only delay an export for the time it takes the corresponding part of the background process to finish.
AXC-44006	Some redactions were not saved when a user had their browser language set to one of these languages: pt-PT, en-AU, en-GB, en-CA, fr-CH, zh-CN, zh-HK, zh-TW, zh-HANT. All redactions are now saved, even if a user's browser language is set to one of these languages.
AXC-44015	The Accelerate 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.
AXC-44033	Recent Searches were only stored for 7 days. Recent Searches are now stored for 30 days.
AXC-44098	When a user pulled a review batch, the order was not ensured to be in order by batch name. Now when a user pulls a review batch, the next batch they receive is pulled in order by batch name, so long as the next batch is not empty and contains at least one document that is not restricted by document security. In the case that a batch is a candidate to be pulled, that is, it has the appropriate review state, but that batch is empty or all documents in the batch are restricted by document security to the user, the next batch that is pulled may still be pulled in a random order instead of by batch name.
AXC-44112	Inconsistencies for the Redaction view are now detected during viewing, printing, global redaction and production in the case that an image handler has been disabled or re-enabled.

Key	Release Note
AXC-44152	In some cases, such as when a field value had been deleted, changes to quick tag settings did not save. This issue was repaired and changes to quick tag settings now save as expected.
AXC-44208	On the Batch Review tab of the Edit Arrangements page, check box selections did not display accurately after a user clicked Apply. Now, when a user makes a change on the Batch Review tab and clicks Apply, the page refreshes and afterwards shows the correct check box selections.
AXC-44248	Searching for field values in the Smart Filters on the Assignments Page was not possible anymore. This has been fixed.
AXC-44260	Fixed issue that would prevent tagging rules in a cloned project from showing up in a multi app server setup until the app servers were restarted.
AXC-44394	To disable the Business Intelligence page, you no longer need to remove the Business Intelligence template name. Instead, you now only need to clear the "Business Intelligence enabled" check box.
AXC-44513	The registration of a Unicode-capable font was fixed, so special characters (e.g. CJK characters) in reports can be displayed correctly again.
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 Accelerate versions prior to 5.15, this issue was resolved by a third party hotfix for both views. In Accelerate 5.15, this issue is now resolved by a third party hotfix for Redaction view only. In Accelerate 5.15, the issue still exists for Near Native view due to the viewer technology that is used for that view.
AXC-44729	Projects created from a template project that was not configured to be a template were not cloned correctly. This issue is now resolved.

Key	Release Note
FOUND-6085	The Data Source tab in Accelerate ECA & Collection was slow. The Data Source tab in Accelerate ECA & Collection now loads faster.
FOUND-9547	The MIME type MPEG Audio format, which is not supported by Oracle OutsideIn, has been changed to "audio/mpeg-2-audio." This allows for the filtering of these files.
FOUND-9548	The MIME type MP4 format, which is not supported by Oracle OutsideIn, has been changed to "multimedia/ISOBaseMediaFileFormat." This allows for the filtering of these files.
FOUND-9673	The threshold to indicate a processing error after finding so many lines in an MBOX file before identifying a next mail item was 100,000. This threshold is now configurable, so mail files with huge attachments can be processed with fewer false positive errors.
FOUND-10595	Renaming a host no longer resets Tomcat to the default settings.
FOUND-10668	Added support for Lotus 9.0.1 Fix Pack 1.
FOUND-11468	File paths used in the export and import ApplicationTree scripts can now be longer than 256 characters.
FOUND-11619	Exporting large projects works as expected and the MSV file is now written to disk without an error message.
FOUND-11870	Deleting a workspace in CORE Administration took several minutes. Deleting a workspace in CORE Administration now takes a few seconds.
FOUND-12030	Engine sessions triggered by CORE Administration were using types "user" or "system." Engine sessions triggered by CORE Administration now use type "monitoring."
FOUND-12333	A PDF file couldn't be indexed due to an Outside In issue. This is resolved by applying the latest Outside In bundled patch.

Key	Release Note
FOUND-12335	For each failed login, a session of the type "default" was created which could prevent projects from going to sleep. Those pre-login sessions now default to type "monitoring."
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.
FOUND-12551	Processing of XML files that contain tags with attribute names which only differ in namespace no longer fail if old postprocessors, such as the stylesheet post processor, are enabled.
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-12614	In CORE Administration, the Search Query Editor (SQE) deleted backslashes when changing from Text to Count view. The SQE no longer deletes backslashes when changing from Text to Count view.
FOUND-12634	File extension mapping for macro enabled Microsoft Excel 2016 documents was incorrect (xslm) if they had no file name with extension, for example, embeddings. These files are now mapped with the correct xslm file extension.

Key	Release Note
FOUND-12640	Tracked changes and very hidden sheet detection no longer fails for some Microsoft Excel documents.
FOUND-12677	High load on the master service no longer leads to errors during ProcessControl registration.
FOUND-12684	All changes to bootstrap.properties after the initial run are now being picked up and applied.
FOUND-12688	BASE64 encoded NSF entry attachments are now decoded, allowing them to be properly crawled.
FOUND-12694	In CORE Administration, the option to cancel a running jobs was named "Cancel"; however, users could then be confused by the "Finish" and "Cancel" options. In CORE Administration, the option to cancel a job is now named "Abort."
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-12783	Removing sub trees in an application tree in CORE Administration no longer shows an exception if the deleted sub tree was part of an Accelerate Review & Analysis, Accelerate Ingestion or Accelerate ECA & Collection application.
FOUND-12786	The CPU load of master service processes increased drastically with CORE 5.20. The CPU load of master service processes is now back to a level comparable with CORE 5.19. Internal structures have been optimized to ensure load is close to what was seen in CORE 5.19.
FOUND-12815	Mails partially downloaded to a mail file are now properly flagged. In addition, mail now contains PR_MESSAGE_FLAGS in the XML mapped to the outlook_message_flags field.

Key	Release Note
FOUND-12822	Microsoft Excel 97-2003 documents that do not follow the specification could cause miscellaneous parser errors if tracked changes or very hidden worksheet detection was enabled. Such documents will now result in a File Corrupt error and the resulting error message clearly indicates that the system failed to detect whether the documents contained hidden or very hidden rows or worksheets.
FOUND-12861	Multiple Active Directory mappings for one source principal are now supported.
FOUND-12878	High CPU utilization was fixed after a master service restart in large environments.
FOUND-13438	PST entries that Outlook cannot export as valid MSG files due to a large number of recipients could no longer be processed. These entries are now processed as before, but are flagged as corrupt.
FOUND-13439	Clean up functionality for some internal cache structures has been implemented to avoid potential out of memory situations in large environments when the CORE Administration Tomcat is run for a long period of time with no scheduled restart.
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.

Key	Release Note
FOUND-13487	PST entries are now processed directly instead of being extracted as MSG files. This avoids problems with PST entries that cannot be exported by Outlook/MAPI as valid MSG files and resembles the behavior in previous versions. In case of metadata-only engines, this new behavior leads to increased storage sizes.
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-13498	Failing data sources are now properly being picked up by the auto resume functionality.
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.
FOUND-13580	Temp file deletion capability has been improved for cases where the executing process is unable to remove files (e.g. externally stopped processes).
FOUND-13617	PST entries/MSG files with UTF-7 encoded transport header content are now properly supported.
FOUND-13642	A process that could not be started due to an unexpected exception could cause the launcher service to stop working. This issue has been resolved.
FOUND-13643	Detection of corrupt PSTs has been improved. The PSTValidator now handles uncritical exceptions locally and continues traversal if possible. During manual execution of the PSTValidator, the transport headers are logged to provide more information about the problematic mail.
FOUND-13644	The automatic resume of a crawl now supports crashed ResolveURIJobs.

Key	Release Note
FOUND-13675	Several improvements were made to the connector for Microsoft SharePoint: After a timeout in the communication with the SharePoint server, now retry attempts are done. The timeout duration and the number of retries are now configurable. An encoding issue has been fixed, so that SharePoint items with names including the character '+' are now indexed without errors. A SharePoint full crawl now starts without errors in case that a previous crawl was terminated forcefully and left a corrupted connector database.
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-13736	ADP ListEntitiesTask threw NullPointerException when trying to fetch Accelerate fields. After the fix a NullPointerException is not thrown any more and Accelerate fields are fetched normally.
FOUND-13762	For Flexion output format, the log level for found document properties has been reduced, in order to reduce the crawler log file size. (internal for eDD releases, only relevant for Decisiv)
FOUND-13773	Starting applications on non-master hosts using the automatic restore point feature do not lead to blocked application starts anymore.
FOUND-13788	After moving an application to a new host, the target application server is now displayed in the respective workspace.

Key	Release Note
FOUND-13832	The filtering option for very large Accelerate ECA & Collection projects with hundreds of data sources, can now be switched on and off properly.
FOUND-13848	Failing data source creation could lead to issues displaying the matter list in Accelerate ECA & Collection. This issue is now resolved and the matter list displays even in this situation.
FOUND-13884	Performance of displaying Data Source and Matters tabs in Accelerate ECA & Collection has been improved for large amounts of data sources and matters. Starting with Accelerate 5.15, the software now supports switching off the most time consuming columns.
FOUND-13887	Attachments to NSF entries, with file extensions that contain characters unsupported by the file system, caused NullPointerExceptions, ultimately aborting the crawl with a fatal crawl error. This issue is now resolved.
FOUND-13918	Invalid data in an unknown PST file caused the crawler to fail completely. The crawler is now able to handle the found type of invalid PST data.
FOUND-13935	An issue related to matter access as a result of specific crawl errors is now resolved.
RECCORE-12077	Specifying a field with the same name for text indexing as well as virtual numeric identifier is now prevented. It will result in an error message during start up and the start up will now be aborted.
RECCORE-13500	CORE scripts that expect an argument preceded with a hyphen now exit with an error message when this hyphen is omitted, in order to avoid unexpected results.
RECCORE-14757	When using the siblings.bat script, the user session could be logged out too early in some cases and this caused the script to fail. The session used for siblings.bat is now kept alive until the underlying job has started, which has its own session.

Key	Release Note
RECCORE-17561	<p>Due to the resource management in distributed computing environments (OCR resource != conversion resource), the engine job manager would occasionally start all document jobs for bulk OCR operations at once. Most of those jobs would sit in a blocked state within the engine, waiting for their respective resource. Pausing a bulk operation was not possible because all started jobs had to finish first. This issue is now resolved and the engine prevents the starting of new document jobs for a macro job when a certain threshold of blocked jobs for that macro job is exceeded.</p>
RECCORE-18685	<p>Batch server temporary folders contained orphaned temporary files generated by native conversion, especially in case of exceptions. Unused temporary files are cleaned up periodically if native conversion fails to delete them.</p>
RECCORE-19202	<p>Worker processes that execute Stellent as well as PDF to TIFF conversions were running as 32 bit processes. This caused particular conversion attempts to always fail. Now, all worker processes, except for the ones executing OCR jobs, are running as 64 bit processes. The risk of running out of memory is now solely related to the overall memory usage of the batch server.</p>
RECCORE-19768	<p>Reduced log level for misleading crawler message.</p>
RECCORE-19895	<p>An empty result could lead to an exception when accessing a Smart Filter. This is fixed now and the empty result is returned.</p>
RECCORE-19981	<p>Execution of multiple very complex queries could cause an engine to crash. This issue is now resolved.</p>

Key	Release Note
RECCORE-20131	Documents without a valid <code>rm_filename</code> value were downloading with an empty file name because the fallback to other field values was being skipped. A valid file name is now always created, so the documents download with a proper file name and file extension.
RECCORE-20376	To properly match date patterns, the check against each pattern needs to be strict to avoid false detections. The system now uses exact matching date patterns for date searches on new projects.
RECCORE-20498	Batch categories without properties could cause the Assignments page to not load successfully. A <code>NullPointerException</code> was fixed, which resolved this issue.
RECCORE-20499	The defragmentation thread could crash after a save was cancelled. A canceled save of the defragmentation thread can no longer cause an engine to crash.
RECCORE-20503	Projects upgraded to Accelerate 5.6 or older received doubled storage locations if a textual tagging field was added. Storages could still be accessed without issue, but this could suddenly cause an "undelete" of previously deleted storage locations. Adding a textual tagging field no longer duplicates storage locations.
RECCORE-20538	A search result containing more than 2147483647 documents caused an integer overflow, which resulted in exceptions in CORE Administration and the ECA/Ingestion application. This issue is now properly handled.

Key	Release Note
RECCORE-20590	The autoscaling group was not capable of checking the health of a batch server instance, besides basic machine and operating system responses. The batch server instance now reports itself as unhealthy whenever Launcherservice or ProcessControl are not reachable, as well as whenever less than 10 percent of virtual memory is available. This results in a controlled shutdown, including log file retention and the spawning of a fresh replacement instance.
RECCORE-20618	Crawling all searchable mailboxes with the Exchange 2013/Online connector failed. This issue is now resolved.
RECCORE-20632	Engine startup no longer fails if the searchable-taxonomies service starts up very slowly.
RECCORE-20667	When replaying a checkpoint that is small, there was a sanity check issue that caused the replay to fail. Replaying small checkpoints is now accepted.
RECCORE-20695	During "Verify connection" of a LiveLink connector configuration, a NullPointerException was thrown while the available connection IDs of the LiveLink system were retrieved. This is now properly handled.

Key	Release Note
RECCORE-20726	Some conversion errors had almost no visibility and could only be addressed by explicit interaction with operators. In particular, image views or partially preconverted views which failed to convert to their final format simply resulted in exceptions without any Smart Filter value. Now, these conversion failures generate a new "Display Exception" value in the Conversion Smart Filter, which allows users to identify the offending documents. The Display Exception value is specifically assigned to documents when conversion fails and a slip-sheet cannot be generated. This may occur when: -There are errors converting for Image view. -There are errors converting a document from Converted - Prepared for Production to Converted - Prepared for Redaction view. -There are errors displaying a document which is already Converted - Prepared for Production. -The conversion server is not responding.
RECCORE-20731	Requesting metadata for large fields could cause a large peak memory usage. Peak memory usage has now been reduced.
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.
RECCORE-20792	The engine could crash if specific database files became corrupt. The engine was made more robust against file corruptions and this issue is now resolved.

Key	Release Note
<p>RECCORE-20795 RECCORE-21071</p>	<p>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.</p> <p>Also, the phrase search "and", "or", "not" now finds the actual term.</p> <p>This improvement may result in more search hits for some of your saved searches.</p>
<p>RECCORE-20805</p>	<p>Viewing documents using the internal "Inverse" or "All" view caused the engine to crash with an access violation. This issue is now resolved.</p>
<p>RECCORE-20840</p>	<p>Exchange 2013/Online connector did not populate the rm_native_uri field for emails, which prevented fetching of the native file. Exchange 2013/Online connector now populates the rm_native_uri field.</p>
<p>RECCORE-20847</p>	<p>Rescheduling production mini jobs, caused by connection loss to the computing batch server resource, resulted in the job data corresponding to Bates numbers to be written twice. This later caused an IllegalStateException within the engine transaction, which resulted in a fatal production error. The job no longer writes Bates information twice for rescheduled jobs. Additionally, the engine is more robust in handling duplicate entries within the corresponding operation.</p>
<p>RECCORE-20866</p>	<p>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.</p>

Key	Release Note
RECCORE-20901	The type-ahead text box of the Concept Groups Smart Filter allows users to search for display names of concept groups; however, the display name contained only the first three characteristic words for each concept group. The display names of concept groups now contain all of the listed characteristic words, so a user can search for any of them.
RECCORE-20902	Using the StructuredStorageV2 storage handling without selecting the "Manage storage sizes in SQL" setting, led to exceptions if you exported the expanded storage locations using ExportTool.bat. This issue is now resolved and storage locations for the StructuredStorageV2 storage handling are properly exported, also in the normally unsupported non-SQL-managed mode, using ExportTool.bat.
RECCORE-20914	Searchable taxonomy configurations that were manually removed are no longer re-added by the automatic configuration updater.
RECCORE-20950	Billing reports for "physical storage size" now include legacy engines.
RECCORE-21011	Documents with many duplicates will no longer cause an Accelerate Ingestion meta engine to run out of memory during de-duplication.
RECCORE-21030	Resolved an issue where hierarchical fields that were configured as fields with searchable properties, such as ax_pc_workflow, could cause the engine to get stuck in an endless loop during start up.
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 processor(s).
RECCORE-21064	Repaired an exception that could occur when large documents were indexed, in chunks, with personal text types.

Key	Release Note
RECCORE-21130	Memory settings have been adjusted and reporting has been improved to avoid some memory allocation problems and recovery issues.
RECCORE-21142	A Smart Filter opened on a meta-engine project in CORE Administration or Accelerate Ingestion could display incorrect (too small) counts for type-ahead matches. The counts were corrected when a user clicked Show More. This issue is resolved and the counts shown for type-ahead matches are now correct when a Smart Filter is first opened.
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.
RECCORE-21210	Projects using pre-Accelerate 5 templates for their document model did not have Accelerate 5-specific document model templates after they were migrated to Accelerate 5. As such, some configuration updaters did not run for these projects. The trigger for configuration updaters was changed to check the Accelerate 5-capable setting in the respective application configuration to include old and migrated Accelerate 5 templates in the respective updaters.
RECCORE-21229	Searchable taxonomy service was using too much Java heap. The maximum Java heap size has been reduced from 512M to 64M.
RECCORE-21234	Fixed incorrect handling of spaces in the site collection path for SharePoint crawls.
RECCORE-21736	Production jobs failed sporadically and required manual action, such as replace in production. The system now detects and handles this threading issue such that jobs pass without human action.
RECCORE-21742	Recovery from transaction log failed when an action for a specific history ID was being recovered twice. This issue is now resolved.
RECCORE-21744	The connection to a service tier used for billing event notification now has a timeout of 2 minutes.

Key	Release Note
RECCORE-21762	Logging for session usage has been improved. A tool has been deployed which allows logout sessions based on user and/or lifetime filters.
RECCORE-21763	Documents can be crawled from SharePoint even when author information is not available in SharePoint.
RECCORE-21766	Saved redactions are not lost if the system cannot upload an updated annotation file.
RECCORE-21799	An issue that could cause an engine to consume an unlimited amount of memory in an endless loop when a No Value Smart Filter was combined with a family expansion is now resolved.
RECCORE-21813	Fixed a NullPointerException that could occur during production.
RECCORE-21827	A billing event notification after a crawl finished could lead to a blocking crawl process, that is, the crawler remained running, as seen in the engine. The billing event can no longer block a finished crawler and the billing event is also recorded as a transaction in the respective transaction log.
RECCORE-21828	Publishes were blocked due to non-standard storage configuration in legacy projects. Publishes are no longer blocked.
RECCORE-21830	Big decimal numbers in the CMIS repository no longer cause a ClassCastException.
RECCORE-21846	Several metadata actions implicitly triggered by CSV merges were computed synchronously in the fast lane. These actions are now scheduled in the background via the coding queue, which should significantly reduce the contention on the indexing locks.
RECCORE-21882	The batching job did hold an internal write lock which caused unnecessary wait cycles. The algorithm has been optimized to avoid this situation.

Key	Release Note
RECCORE-21895	A huge load (more than 300 concurrent users) on an Accelerate index caused delays and browser timeouts when paging to the next search result. Locking has been improved such that paging no longer blocks even under high load.
RECCORE-21905	Crawling Content Server nodes with IDs greater than 2147483647 is now supported.
RECCORE-21906	The system failed to handle huge amounts of concurrent on-the-fly conversion jobs efficiently (when more than the supported number of 150 users were working in the system). The stability and efficiency of on-the-fly conversion jobs has been improved by eliminating connectivity checks if the last connectivity check was just a couple of seconds ago.
RECCORE-21912	Object file defragmentation was not active for data structures in searchable taxonomy service. As a consequence, the temp drive could fill up very quickly. This issue is now resolved.
RECCORE-21937	Phrases containing equal signs failed to be processed and syntax errors detected in early stages of the query processing resulted in red error boxes instead of proper error reporting. Syntax errors are reported as expected. Phrases are processed as expected.
RECCORE-21966	Export of storage items as part of a project export/archive creation could overwrite existing artifacts when triggered multiple times (with disabled sanity checks). The overwrite is no longer possible as this type of export is now only allowed into an empty directory.

Key	Release Note
RECCORE-21979	Searchable taxonomy service was creating temporary files in the temp drive. Engines with a larger document history contributed to the temp drive filling up quickly. The files are now created in a dedicated sub folder, "SearchableTaxonomyService." This new directory is cleaned-up during engine start and engine shut down.
RECCORE-21985	Upgrade jobs for storage size reports resulted in unexpected output for storage handlers which were empty at startup time. Storage size reports now provide the correct value for storage handlers which were empty at startup time. The upgrade jobs still need to run before the sizes are accurate, though.
RECCORE-21986	Reduced the peak java heap consumption of the process managing the search index for the fields with searchable properties (SearchableTaxonomyService).
RECCORE-21998	Searching for the same search term in multiple fields using search-in did not highlight matches in all fields. This has been fixed and all matches are highlighted now.
RECCORE-22028	Repaired an exception that affected the creation of the search index for document history.
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-22158	The data structure files of the SearchableTaxonomyService cache directories were not cleaned up properly causing them to grow during each attempt to synchronize the document history. The root cause was that the swapfile was not properly defragmented in all cases. It is now defragmented correctly.

Key	Release Note
RECCORE-22175	A Predictive Coding iteration could fail, due to a session time out of the input session before all training operations were finished. The operation now uses the session of the underlying training transaction which never times out.
RECCORE-22187	Publish could fail with an exception when trying to change the configuration of disabled storage handlers at the target. This has been fixed, the configuration of disabled and unneeded storage handlers is no longer modified by a publish.
RECCORE-22207	Too complex highlighting requests could cause an engine to run out of Java heap space. Now the documents will be fetched without highlighting if the associated search is too complex. In this case an E2 warning message can be found in the main engine log file.
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-22222	When the searchable taxonomy service, used for Search by Field Value Properties, became unresponsive it was not properly restarted. Automatic restart of a failing searchable taxonomy service has been fixed.
RECCORE-22231	Updating the list of saved searches could cause a meta engine with a large number of sub engines to run out of memory. The population of the list of saved searches now only involves a single sub engine in a merging meta engine setup. As a consequence, performance will be much better and the meta engine should not run out of memory anymore.
RECCORE-22243	Fixed exception messages in the log indicating an RecomIndex exception "Selector not sorted".

Key	Release Note
RECCORE-22246	Building the search index for the document history no longer runs out of memory because of many changes involving field values with long names.
RECCORE-22284	In the Accelerate 5 front end, relevance score was 100% for all documents when "Group by Family" was enabled. Relevance score is now showing the correct value.
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.
RECCORE-22317	Production jobs generate lots of internal codings, which can lead to unresponsiveness or even downtime. The number of internal codings generated by production jobs has been reduced significantly.
RECCORE-22334	Significantly optimized remove metadata operations in the index engine to improve performance of multiple user actions.
RECCORE-22347	An error in rule processing caused the ProductionSummaryCallback to perform metadata operations multiple times. Now it only operates once upon every document. Furthermore, the java heap consumption of the rule processing for production related operations is reduced significantly.
RECCORE-22362	Deleting a project with more than 13,000,000 native documents caused an out-of-memory in the engine host's process control. Memory usage during the deletion of huge projects has been reduced significantly; deletion of huge projects is now safe.
RECCORE-22367	Proximity and phrase searches could take an extraordinary long time. This issue is now resolved.
RECCORE-22398	The fatal crawl error that was thrown if an Exchange 2013/Online appointment attendee had no meeting response type no longer occurs.

Key	Release Note
RECCORE-22403	In a meta engine setup with a lot of sub engines, the meta engine, as well as its sub engines, could run out of Java heap space during document fetching when a complex search was made. This issue is now resolved.
RECCORE-22416	The searchable taxonomy service leaked java memory, which caused an out of memory situation after a long uptime. The memory leak is now resolved.
RECCORE-22433	Fixed a race condition that caused exceptions when documents were tagged while the search index for the document history was being synchronized.
RECCORE-22519	An issue was fixed that could cause fragmentation of the search index files, resulting in unlimited disk usage.
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 Accelerate 5.14.0

3.1 Microsoft Edge Supported for Accelerate 5 (AXC-35839)

Behavior before change

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

Behavior after change

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

3.2 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 Accelerate 5.14 document model to store the comments.

3.3 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.

3.4 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 Accelerate 5 support searchability.

Known Limitations

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

3.5 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 Accelerate 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.

3.6 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.

3.7 Display of Fields With a Large Number of Values (AXC-10304)

Behavior before change

Fields that contained a large number of values could break the **Tagging** panel and cause the browser to crash.

Behavior after change

In the **Tagging** panel, single value, multivalue and hierarchy fields that reach 300 values (this number can be adjusted on a per-environment basis) automatically convert 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.

Known Limitations

Once a field reaches the default 300 value limit, it has the following limitations:

- It can no longer be managed via the Accelerate 5 **Fields and Values** page. You can add or rename the field's values by adding the field to an Accelerate 5 tagging arrangement or to the **Folding** panel. An Administrator can delete values in CORE Administration.
- If the field is a hierarchy field and you add values using an Accelerate 5 tagging arrangement, those values are stored as parallel values, that is, they do not have a hierarchical structure, but are instead stored the same as multivalue field values. You can use the Accelerate 5 **Folding** panel to create hierarchical values or have an Administrator add hierarchical values in CORE Administration.

3.8 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 Accelerate 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 Accelerate 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.

3.9 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.

3.10 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.

3.11 OCR in Accelerate 5 Summary Panel (AXC-39650)

Behavior before change

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

Behavior after change

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

3.12 Connectors

Connector support for Microsoft SharePoint Online

Accelerate Cloud now supports the connector for Microsoft SharePoint Online sources.

This also covers OneDrive.

Connector for Microsoft Exchange

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

3.13 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.

3.14 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.

3.15 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.

3.16 Log File Management (AXC-36822)

Behavior before change

The Accelerate 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 Accelerate 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`.

3.17 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.

3.18 Viewer Upgrade (AXC-36574)

Behavior before change

Axcelerate was using BRAVA! 7.5 for conversions and productions.

Behavior after change

Axcelerate is using BRAVA! 16.2 for conversions and productions.

3.19 Preparative Conversion for Axcelerate 5.15 Light-weight Viewer (CORE-19514)

Behavior before change

Not applicable.

Behavior after change

In Axcelerate 5.15, a light-weight viewer will be introduced, for quicker display of **Near Native** and **Image** views. This requires some reconversion of non-image files. Administrators can prepare for this before the actual update, by triggering large file conversion via command line. This has no impact on current matters and storages.

Changes to Default Configuration

The default configuration has not been altered. New parameters were added.

4 Issues Resolved in Accelerate 5.14.0

4.1 AXC-37926 (Universe Creation)

Summary	New Behavior
During universe creation, if storing the search query that defined the universe scope would lead to an unusable universe, an internal error occurred.	If an error occurs during universe creation, the universe is not persisted, so the user does not see an unusable universe.

4.2 AXC-38644 (Arrangements)

Summary	New Behavior
When arrangements were changed, all users were required to reload the configuration.	Loading the configuration after arrangement changes has been optimized and is now faster.

4.3 AXC-39229 (Document Count Reports)

Summary	New Behavior
When creating a document count report in Accelerate 5, for example, open the Concept Groups Smart Filter and click Run Report , the report cut off values.	When creating a document count report in Accelerate 5, the report no longer cuts off values.

4.4 AXC-39300 (File Extensions of Produced Native Files)

Summary	New Behavior
The file extension of produced native files did not always match the original file extension. For example a *.csv file was produced as a *.txt file.	The original file extension is used if the document has a value in the File Extension field. If the File Extension field is empty, the MIME Type is used. If a document has neither, it is produced without a file extension.

4.5 AXC-39885 (Background Jobs)

Summary	New Behavior
Background jobs could stop working after a temporary connection issue with the database.	A connection timeout was added.

4.6 AXC-40221 (Publish)

Summary	New Behavior
A warning message in the publish dialog showed an internal state and not the engine name.	A warning message in the publish dialog now shows the engine name.

4.7 AXC-40273 (Document Viewer)

Summary	New Behavior
The automatic truncation of the Brava cache led to NullPointerExceptions . This resulted in errors in the document viewer.	A hotfix was integrated to fix the issue.

4.8 AXC-40319 (ExportTool)

Summary	New Behavior
Administrator rights were required to use the ExportTool .	Standard users can use the ExportTool .

4.9 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.

4.10 AXC-40483 (Navigation and Assignments Page Column Order)

Summary	New Behavior
On the Navigation and Assignments pages, column order was not persisted when the order was changed by dragging columns.	On the Navigation and Assignments pages, column order is now persisted when the order is changed by dragging columns.

4.11 AXC-40490 (Search Query Editor Report)

Summary	New Behavior
Unicode characters were dropped from Search Query Editor (SQE) Report .	Unicode characters are now respected in the SQE Report .

4.12 AXC-40496 (Application Deletion)

Summary	New Behavior
Deleting an application that was not in a working condition and then re-importing/re-creating it caused a duplicated state entry in the SQL database. This duplicated state prohibited any further project interaction in the Accelerate 5 user interface.	Existing duplicated states were removed. Duplicated states are now prohibited by database and no longer created by software. Projects can be re-imported/re-created multiple times. State entries are now deleted upon removal of the classic Accelerate application.

4.13 AXC-40529 (Arrangements)

Summary	New Behavior
Under some circumstances, errors occurred when the Review State field was configured to be part of an arrangement.	Adding the Review State field to an arrangement no longer causes errors.

4.14 AXC-40530 (Bulk Printing)

Summary	New Behavior
The number of printable pages was dropped from the bulk print job summary.	The number of printable pages is again visualized in the bulk print job summary.

4.15 AXC-40548 (Review Workflow Creation)

Summary	New Behavior
It was not possible to create two review workflows if the corresponding tagging fields had the same field values, but were in different taxonomies.	It is now possible to create review workflows for tagging fields with the same field value ids.

4.16 AXC-40586 (Review Workflows Page)

Summary	New Behavior
If a review workflow referenced a non-existing field, the Review Workflows page was unusable and displayed a red error box.	Review workflows that reference non-existing fields are now hidden from view on the Review Workflows page, while the rest of the page stays usable

4.17 AXC-40626 (Search Results)

Summary	New Behavior
Depending on the access order of different pages in Accelerate 5, it was possible that search results did not close properly on logout.	All search results are correctly freed and reset on logging out.

4.18 AXC-40787 (PDF Production Images)

Summary	New Behavior
The production image of a PDF file contained black boxes.	The production image of a PDF file no longer contains black boxes.

4.19 AXC-40853 (Automatic Universe Updates)

Summary	New Behavior
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.

4.20 AXC-40854 (Automatic Suspension of Applications)

Summary	New Behavior
Automatic training iterations could prevent the automatic suspension of an application.	Automatic training iterations are now executed in a way that does not prevent automatic suspension.

4.21 AXC-40855 (Automatic Suspension of Applications)

Summary	New Behavior
Background or asynchronous processes could prevent automatic suspension of projects in rare cases.	Background or asynchronous processes do not prevent automatic suspension of projects.

4.22 AXC-40919 (Session Timeout)

Summary	New Behavior
In the case of a session timeout, the user was not redirected to the login page.	When a session timeout occurs, the user is redirected to the login page.

4.23 AXC-40935 (Production)

Summary	New Behavior
Documents with a begBates number and no endBates number could not be produced successfully and the number of steps on the Jobs tab was wrong.	Documents with a begBates number and no endBates number can now be produced successfully and the number of steps on the Jobs tab is now correct.

4.24 AXC-40944 (Production Workflows)

Summary	New Behavior
Production workflows were loaded even though the Production Workflows panel was not open on the Analysis page.	Production workflows are only loaded if the Production Workflows panel is open on the Analysis page.

4.25 AXC-40956 (Application Retrieval for admin User)

Summary	New Behavior
The UserTableUpdater for Qlik user access synchronization queried for all available application for the admin user during arbitrary background jobs. When the number of projects was too high, this caused an StackOverflowError .	The UserTableUpdater for Qlik user access synchronization does paged queries to retrieve all available applications for the admin user during arbitrary background jobs.

4.26 AXC-40969 (External Bates Prefix)

Summary	New Behavior
The default value for External Bates Prefix , even if not used, was an empty string.	The External Bates Prefix is set to <i>null</i> unless it is explicitly configured with a value.

4.27 AXC-40991 (Results List)

Summary	New Behavior
While switching a page in the Results list, all fields were fetched although only a few columns were selected for display.	Only the relevant fields are fetched for display in the Results list.

4.28 AXC-41004 (Reviewed By Smart Filter)

Summary	New Behavior
Reviewed By Smart Filter was populated more than once with the name of the current user.	Reviewed By Smart Filter value is only populated with the name of the current user if the name does not already exist as a value.

4.29 AXC-41183 (Record List Report)

Summary	New Behavior
When a No Value or Any Value Smart Filter was applied, users were not able to download a Record List Report .	Users can download a Record List Report at any time.

4.30 CORE-13511 (ExportClassifier and ImportClassifier)

Summary	New Behavior
ExportClassifier and ImportClassifier scripts could not handle fields that had an internal ID starting with a capital letter.	ExportClassifier and ImportClassifier scripts are now able to handle fields even if their internal ID starts with a capital letter.

4.31 CORE-19221 (End of Branch Threads)

Summary	New Behavior
Some email client-specific headers were not parsed correctly leading to broken end of branch threads.	Additional headers are now parsed correctly.

4.32 CORE-19604 (OCR)

Summary	New Behavior
Optical Character Recognition (OCR) failed for TIFF images in a special format: if the TIFF image contained JPEG compressed image data, the OCR bailed out with an error.	TIFF images containing JPEG compressed data can be processed by means of OCR.

4.33 CORE-19717 (Error Log Message)

Summary	New Behavior
A system under high load generated severe APPARENT DEADLOCK error/warning messages even though the system was healthy. The issue happened if the external SQL connection pool reached its connection limit.	The misleading log message no longer occurs.

4.34 CORE-19885 (OCR Jobs)

Summary	New Behavior
Optical Character Recognition (OCR) jobs of PDF documents run on batch servers that also served review activities, for example, document viewing, leaked temp files.	OCR jobs of PDF documents no longer leak temp files.

4.35 CORE-20012 (Publish)

Summary	New Behavior
Converting a single engine that was named with a digit as the first character to a meta engine, combined with Add engine name space prefix in URI of documents published from a meta engine , led to publish errors.	Publishing works for the combination of sub engines starting with a digit and Add engine name space prefix in URI of documents published from a meta engine .

4.36 CORE-20163 (Log Messages)

Summary	New Behavior
Information log messages were displayed as E2.	Information log messages are now displayed as I2.

4.37 CORE-20169 (Native Conversion)

Summary	New Behavior
When native conversion failed to produce output, a cryptic error message was produced. No hint was given as to why the conversion failed.	When native conversion fails to produce output, the resulting error message contains the step(s) that caused the failure.

4.38 CORE-20173 (Email Threads)

Summary	New Behavior
Manual analysis was needed to locate email threads where the end of branch thread did not match the email header-based thread model.	A tool provides easy identification options to locate threads that should be analyzed.

4.39 CORE-20211 (Redacted Documents)

Summary	New Behavior
Clearing document view for redacted documents could cause an internal exception to be thrown.	Clearing document view for redacted documents no longer causes an internal exception to be thrown.

4.40 CORE-20277 (Engine Flush)

Summary	New Behavior
<p>During flush, the engine could not delete categories of <code>rm_emailthread</code> that were marked for deletion by the email hash recomputation script <code>{{siblings.bat -threads}}</code> unless the engine was rebooted after script completion. The attempt to delete categories could also get stuck in an infinite loop when more than 10,000 categories were affected.</p>	<p>The engine now successfully deletes categories within <code>rm_emailthread</code>.</p>

4.41 CORE-20278 (Email Thread Detection)

Summary	New Behavior
<p>The usage of NO-BREAK-SPACE characters within emails could cause the email thread detection to miss header separators between email content and cause end of branch detection to fail.</p>	<p>NO-BREAK-SPACES are now treated like normal spaces when the header detection algorithm is run.</p>

4.42 CORE-20325 (Storage Handlers)

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

4.43 CORE-20335 (Export/Archive Storage)

Summary	New Behavior
<p>Export/archive storage failed to export storage setups with more than one storage handler per file type. Example: projects with two native storage handlers did not export a native file if the native file was present in the second handler. CSV export was unaffected.</p>	<p>Storage export/archiving now also supports multiple storage handlers.</p>

4.44 CORE-20360 (Engine Save)

Summary	New Behavior
Some configuration changes induced a save of the data structures directly after initialization. This save happened before the transaction log was replayed, possibly leading to corruption of the wordmap's identifiers if an optimization of the memory settings also took place.	A required save directly after the initialization of an engine now happens after replay of the transaction log and these changes are now saved.

4.45 CORE-20379 (Color Detection for Large TIFF Images)

Summary	New Behavior
Color detection for larger TIFF images could cause the engine to run out of Java heap.	Color detection has been massively improved with regard to memory and CPU usage.

4.46 CORE-20400 (Optical Character Recognition Jobs)

Summary	New Behavior
Batch server temp file locations were filled up if an Optical Character Recognition (OCR) job was set aside to make room for an on-the-fly job.	Temp file locations are cleaned up for OCR jobs.

4.47 CORE-20455 (SQL-Managed Storage)

Summary	New Behavior
Verifying a SQL-managed storage item that did not have (or no longer had) a SQL-key could lead to false negatives.	A missing storage item without a SQL-key is now correctly reported as a verification error.

4.48 CORE-20484 (Data Source Templates)

Summary	New Behavior
A customized setup in data source templates could fail.	The software works correctly in conjunction with the customized data source template setup.

4.49 CORE-20497 (Engine Stop)

Summary	New Behavior
Due to a race-condition, an engine could come in a state where shutting it down was blocked by a write-lock and there was no possibility to unlock it.	An engine can no longer come in a state where shutting it down is blocked by a write-lock and there is no possibility to unlock it.

4.50 CORE-20499 (Engine Save)

Summary	New Behavior
Defragmentation thread could cause an engine crash after a save was canceled.	A canceled save can no longer result in the defragmentation thread causing an engine crash.

4.51 CORE-20503 (Duplicated Storage Locations)

Summary	New Behavior
Upgraded projects that were created with Accelerate 5.6 or an earlier version received doubled storage locations if a textual coding field was added. Storages could still be accessed without issue, but this could suddenly cause an undelete of previously deleted storage locations.	Adding a textual coding field no longer duplicates storage locations.

4.52 CORE-20590 (Batch Server Monitoring)

Summary	New Behavior
The autoscaling group was not capable of checking the health of a batch server instance with the exception of basic machine and OS responses.	The batch server instance now reports itself as unhealthy whenever LauncherService or ProcessControl are not reachable, as well as whenever less than 10 percent of virtual memory is available. This results in a controlled shutdown, including log-file retention and spawning of a fresh replacement instance.

4.53 CORE-20660 (Document View Operations)

Summary	New Behavior
Multiple operations around document views utilized the job folder within the DisplayListCache 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.

4.54 CORE-20667 (WordMap)

Summary	New Behavior
A sanity check caused the replay of a small checkpoint to fail.	Replay of small checkpoints are now accepted.

4.55 CORE-20731 (Engine Memory Usage)

Summary	New Behavior
Requesting metadata for large fields could cause a large peak memory usage.	Peak memory usage has been reduced.

4.56 CORE-20747 (Microsoft Exchange 2013/Online Connector)

Summary	New Behavior
Microsoft Exchange 2013/Online connector aborted folder processing if Exchange server returned with at least one malformed entry.	Microsoft Exchange 2013/Online connector creates exception documents if the Exchange server returns malformed folder entries.

4.57 CORE-20805 (Document Viewer)

Summary	New Behavior
Viewing documents using the internal Inverse or All view caused the engine to crash with an access violation.	Engine does not crash when viewing documents using the Inverse or All view.

4.58 CORE-20847 (Production Jobs)

Summary	New Behavior
Rescheduling of production mini jobs, due to a connection loss with the computing batch server resource, caused the job data that corresponded to the Bates numbers to be written twice. This later resulted in an <code>IllegalStateException</code> within the engine transaction and a fatal production error.	The job does not write Bates information twice for rescheduled jobs. Additionally, the engine is more robust in handling duplicate entries within the corresponding operation.

4.59 FOUND-11393 (Expired User Sessions)

Summary	New Behavior
The local part of an invalid session was not cleaned up for some time if the session timeout was triggered on another Axcelerate 5 stack.	The local part of a session is cleaned up shortly after the session expires.

4.60 FOUND-11400 (Native Conversion)

Summary	New Behavior
If the Microsoft Powerpoint process exited while closing a presentation after the output was produced, a failure response was returned by native conversion.	If the Microsoft Powerpoint process exits while closing a presentation after the output has been produced, a success response containing all needed information is returned by native conversion.

4.61 FOUND-11650 (Application Suspension)

Summary	New Behavior
Applications with meta engines were not properly suspended.	Application with meta engines are properly suspended.

4.62 FOUND-11705 (User Login)

Summary	New Behavior
Subsequent logins could be blocked forever in the case of a temporary Active Directory outage.	Subsequent logins are not affected by temporary Active Directory outages.

4.63 FOUND-11804 (Crawls)

Summary	New Behavior
Very large paragraph content in Oracle OutsideIn parser output could cause OutOfMemory errors.	Very large paragraph content in Oracle OutsideIn parser output does not cause OutOfMemory errors.

4.64 FOUND-11851 (Application Upgrades)

Summary	New Behavior
UpdateLegacyApplication failed if an entity was not assigned to a workspace.	Updates of entities without a workspace are skipped and a warning is logged.

4.65 FOUND-11853 (PST Crawls)

Summary	New Behavior
Unnamed folders in PSTs caused NullPointerExceptions.	Unnamed folders in PSTs now receive the name [Unnamed folder].

4.66 FOUND-11870 (Workspace Deletion)

Summary	New Behavior
Deleting a workspace took several minutes.	Deleting a workspace takes a few seconds.

4.67 FOUND-11946 (Accelerate 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-12030 (Sleeping Projects)

Summary	New Behavior
Engine session triggered by NAT were using types user or system .	Engine session triggered by NAT now uses type monitoring .

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.

4.70 FOUND-12210 (Batch Servers)

Summary	New Behavior
Engines could receive incomplete information about the batch server when a batch server host came online.	Engines receive most recent information about the batch server when a batch server host comes online.

4.71 FOUND-12211 (Application Synchronization)

Summary	New Behavior
The MasterService could run into issues if some database connections were broken.	Connection pool settings were changed to check connections more often, reducing the possibility of a broken connection in the MasterService.

4.72 FOUND-12221 (Logging of Temp Folder Deletion)

Summary	New Behavior
The LauncherService has a log directory which it cleans and deletes at every start. This could take a long time and the process was not logged.	LauncherService logs when it starts deletion of the temp directory.

4.73 FOUND-12231 (Storage Export)

Summary	New Behavior
The MasterService session expired after an hour when storage export was executed.	The MasterService session no longer expires when storage export is executed.

4.74 FOUND-12237 (System Time of Process Control Host)

Summary	New Behavior
Process control shut down if the system time was further in the past than the last online time.	An error is logged if the system time of the process control host is further in the past than the last online time.

4.75 FOUND-12335 (Autosuspend of Applications)

Summary	New Behavior
A failed user login created a session of the type Default .	These pre-login sessions now default to type Monitoring .

4.76 FOUND-12400 (Application Suspension)

Summary	New Behavior
The creation of a session and setting session type was not atomic. This allowed for creating a session and touching it, although it was a monitoring session.	The session type is now passed when the session is created. Modifying session type afterward is no longer possible.

4.77 FOUND-12492 (Service Tier Instances)

Summary	New Behavior
The authorization cache could get out of sync across service tier instances and could only be repaired by restarting the affected service tier.	The authorization cache cannot get out of sync across service tier instances as it is now based on the session key and we use sticky sessions.

4.78 **FOUND-12602 (SharePoint 2013 Connector)**

Summary	New Behavior
<p>The SharePoint 2013 connector could not authenticate with SharePoint Online Vnext systems and therefore could not crawl these systems.</p>	<p>The SharePoint 2013 connector can now authenticate and crawl SharePoint Vnext systems.</p>

5 Terms of Use

OpenText™ Axcelerate™ 5.15

Release Notes

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This documentation has been created for OpenText™ Axcelerate™ 5.15.

It is also valid for subsequent software versions as long as no new document version is shipped with the product or is published at <https://knowledge.opentext.com>.

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