

Perceptive Content

Release Notes

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Overview

Perceptive Content 7.2.3 contains new features, product and platform enhancements, and updates. New features introduce the new functionality available in your Perceptive Content 7.2.3 system. Product enhancements provide an overview of the enhancements made to existing features. Platform enhancements provide an overview of the enhancements made to existing development tools, such as iScript. Patch releases specify the enhancements, both product and platform, and updates for each monthly patch.

A major or minor release, consistent with the versioning standard of *major.minor.incremental.build*, occurs approximately every eighteen months. An incremental release of Perceptive Content occurs each calendar quarter. Build releases, also known as patch releases, are posted each month.

Perceptive Content 7.2.3.662 Release (July 10, 2023)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content Client

Perceptive Content Client

Resolved an issue with the LearnMode script AppGetTree() function not working correctly with Google Chrome versions 114 and later. (PER-8653)

Perceptive Content 7.2.3.618 Release (November 10, 2020)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content Server
- Perceptive Integration Server

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content Server

Perceptive Content Server

- Resolved an issue where a user group could be deleted even though it was associated with a custom property. (PC-89343)

Perceptive Content 7.2.3.607 Release (September 10, 2020)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content Output Agent
- Perceptive Content Server

Perceptive Content Output Agent

- Resolved an issue where annotations were incorrectly formatted when using Output Agent to export a document from Perceptive Content. (PC-89082)
- Added a new option, Clientview, for the output.mode setting in the [General] group of the inserverOutput.ini configuration file. This setting allows files exported via Output Agent to more closely match what is produced when exporting from the Perceptive Content desktop client. (PC-89082)

Perceptive Content Server

- Resolved an issue where searching for string custom properties using `is blank` and `is not blank` operators returned incorrect results. (PC-89356)

Perceptive Content 7.2.3.600 Release (August 10, 2020)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Recognition Agent

All Perceptive Content Agents

- Resolved an issue in iScript sedbc ODBC library which could result in an agent crash when using Oracle Datadirect drivers on Linux and a stored procedure is executed using an invalid SQL statement. (PC-88496)
- Resolved an issue on Linux where reading XML files in iScript using the inxml library could result in data corruption. (PC-89360)

Perceptive Recognition Agent

- Revised iScript error messages. For more information, see the [inow.ini \[iScript\] settings](#) topic of the Manage Content help. (PC-89248)
- Updated the underlying iScript string methods for non-Unicode agents. (PC-89360)

Perceptive Content 7.2.3.589 Release (July 10, 2020)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content OSM Agent
- Perceptive Content Server
- Perceptive Forms Server
- Perceptive Integration Server

All Perceptive Content Agents

- Resolved an issue where database connectivity issues could result in an agent crash. (PC-89362)
- Resolved an issue where search parameters containing double hyphens would cause an error. (PC-89173)
- Improved handling for database error 08S01 "Communication link failure". (PC-89327)

Perceptive Content OSM Agent

- Resolved an issue where database errors could result in an agent crash while triggering recovery. (PC-89362)

Perceptive Content Server

- Resolved potential cross-site scripting vulnerabilities in Perceptive Forms Server. (PC-89244, PC-89245, and PC-89246)
- Revised iScript error messages. For more information, see the inow.ini [iScript] settings topic of the Manage Content help. (PC-89248)

Forms Server

- Resolved potential cross-site scripting vulnerabilities in Perceptive Forms Server. (PC-89244, PC-89245, and PC-89246)

Integration Server

- Resolved potential cross-site scripting vulnerabilities in Perceptive Forms Server. (PC-89244, PC-89245, and PC-89246)

Perceptive Content 7.2.3.574 Release (May 10, 2020)

The following enhancements and updates are included in the initial release of Perceptive Content Foundation EP1.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content Client

All Perceptive Content Agents

- Improved database transaction error handling. (PC-89119)
- Improved handling for Oracle error HY000 -5 "Unexpected Network Error". (PC-88808)
- Limited number of retries when database lock timeout occurs. (PC-89265)

Perceptive Content Client

- Resolved an issue in the client where multiple pages exported to a single PDF file were distorted due to different page sizes. (PC-89108)

Perceptive Content 7.2.3.566 Release (April 10, 2020)

The following enhancements and updates are included in the initial release of Perceptive Content Foundation EP1.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content Client
- Perceptive Content Server

All Released Products

- Updated the code signing certificate for Windows applications and WebNow. (PC-89088)

Perceptive Content Client

- Resolved an issue in the client where multiple pages exported to a single PDF file were distorted due to different page sizes. (PC-89108)

Perceptive Content Server

- Resolved an issue where audit files could have invalid XML content. (PC-88480)

Perceptive Content 7.2.3.558 Release (March 10, 2020)

The following enhancements and updates are included in the initial release of Perceptive Content Foundation EP1.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Integration Server

All Perceptive Content Agents

- Perceptive Content now supports RabbitMQ version 3.8. (PC-89085)

Perceptive Integration Server

- A new setting, `session.cookie.samesite.policy`, was added to the [General] section of the `integrationserver.ini` configuration file. For more information, see the “Appendix A; integrationserver.ini file options” section of the Perceptive Integration Server Installation Guide. (PC-89087)

Perceptive Content 7.2.3.551 Release (February 10, 2020)

The following enhancements and updates are included in the initial release of Perceptive Content Foundation EP1.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Forms Server

All Perceptive Content Agents

- Resolved an issue where installers may not preserve `inow.ini` settings while performing an upgrade or a clean install when Perceptive Content Server is installed. Updated installers for Fax Agent, File Processing Agent, iConvert Agent, Output Agent, and Perceptive Content Server. (PC-88845)

Perceptive Forms Server

- Resolved an issue where form data populated by a URL parameter could persist when opening a different form. (PC-88599)

Microsoft 2020 LDAP Advisory

Microsoft 2020 LDAP channel binding and LDAP signing requirements

This requirement applies to the following:

- Perceptive Content Server LDAP Authentication
- Perceptive Content User Replication Agent
- Perceptive Content Management Console LDAP User Import
- Perceptive Content Integration Server X.509 LDAP Authentication

Microsoft plans to release a security update to all Windows versions in March 2020 that requires Lightweight Directory Access Protocol (LDAP) channel binding and LDAP signing. Hyland has reviewed

the proposed changes and has identified potential impacts to Perceptive Content. To satisfy the new LDAP signing requirements, Perceptive Content LDAP configurations must support SSL/TLS and bind on port 636. LDAP configurations that do not leverage SSL/TLS and bind on port 389 will no longer work when Microsoft releases the LDAP security update in March. Hyland recommends that System Administrators review Microsoft Security Advisory ADV190023 and ensure that their Perceptive Content LDAP configurations are configured to use SSL/TLS. For any assistance needed relating to Perceptive Content LDAP configurations please contact Hyland Global Support.

For more information, see the following blog post on Hyland Community.

<https://community.hyland.com/en/blog/posts/72137-2020-ldap-channel-binding-and-ldap-signing-requirement-for-window>

Perceptive Content 7.2.3.537 Release (December 10, 2019)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content Client
- Perceptive Content Server

All patched products

- Updated timestamping authority for signed Perceptive Content Windows applications and Java clients. (PC-88720)

Perceptive Content Client

- Resolved an issue where the client would incorrectly display the toolbar after logging in. (PC-88620)

Perceptive Content Server

- Added new settings for performance improvements when Perceptive Content agents are using an Oracle database. For more information, see the "inow.ini [ODBC]" settings topic of the Manage Content help. (PC-88761)
- Improved database query performance when resolving global privileges for users. (PC-88704)
- Improved a database query for monitoring connections so that it can better leverage custom indexes. (PC-88704)
- Perceptive Content Server now supports Oracle 12c R2 (12.2.0.1).

Perceptive Content 7.2.3.524 Release (November 10, 2019)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content Client

Perceptive Content Client

- Resolved an issue with zoom regions not working in the client. (PC-88638)
- Resolved an issue where completed tasks were not displaying in the view results. (PC-88560)

Perceptive Content 7.2.3.513 and 7.2.3.516 Release (October 10, 2019)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Business Insight
- Perceptive Content Server
- WebNow

Business Insight

- Added a new form, eForm Group Security, that allows you to view the privileges granted to group members for an eForm. (PC-88510)
- Added a new form, eForm User Security, that allows you to view the privileges granted to a user for an eForm. (PC-88510)

Perceptive Content Server

- Resolved an issue where characters were being interpreted as wildcards in certain VSL query statements. (PC-73548)

WebNow

- Resolved an issue where the system would save eForm data to the wrong document after a previous eForm was opened. (PC-88517)

Perceptive Content 7.2.3.504 Release (September 10, 2019)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content
- Perceptive Content Client

- Perceptive Content Server
- Perceptive Recognition Agent

Perceptive Content

- Resolved an issue where iScript would return corrupted form data if it contained an asterisk. This issue affected Perceptive Forms Server and Perceptive Experience. (PC-87051)

Perceptive Content Client

- Resolved issue where a trailing space on doc key entry would prevent updates from being saved in a workflow context. (PC-88479)

Perceptive Content Server

- Resolved an issue in workflow where custom properties could not be modified after being saved. (PC-73863)

Perceptive Recognition Agent

- Resolved an issue where Perceptive Recognition Agent would unexpectedly close when processing 0kb files. (PC-88394)

Perceptive Content 7.2.3.489 Release (July 10, 2019)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content Integration Server
- Perceptive Content Server

Perceptive Content Integration Server

- Resolved an issue where columns for workflow view and filter results were missing. (PC-87729)

Perceptive Content Server

- Resolved an issue where symbolic links in Linux Perceptive Content distribution would break when performing an upgrade to Perceptive Content 7.2.3. (PC-88149)

Perceptive Content 7.2.3.474 Release (June 10, 2019)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content Client
- Perceptive Content Server
- Perceptive Integration Server

Perceptive Content Client

- Resolved an issue that prevented the system from deleting a default view assigned to a user, after that user was deleted. (PC-88057)
- Resolved an issue with Package Mode in CaptureNow that prevented the user from easily dragging and dropping a document from one basket to another basket. (PC-87622)

Perceptive Content Server

- Resolved an issue that caused the system to return incorrect results when searching for a document that was created during DST when the present date is not in DST (or visa-versa). (PC-87897)
- A new setting, `enable.folder.content.view.sorting`, was added to the [Views] section of the `inserver.ini` configuration file. For more information, see the “`inserver.ini` [Views] settings” topic of the Manage Content help. (PC-87979)

Perceptive Integration Server

- Resolved an issue where columns for workflow view and filter results were missing. (PC-87729)

Perceptive Content 7.2.3.461 Release (April 10, 2019)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content Client
- Integration Server
- Perceptive Recognition Agent

Perceptive Content Client

- Removed Java Access Bridge from the Perceptive Content installer. You must pre-install Java Access Bridge on the consumer's system to use Java Learnmode integration. (PC-87982)
- Replaced the JABInstaller executable with JABConfigurationTool for configuring Java Access Bridge at installation and run time. (PC-87982)
- Resolved an issue that caused the system to re-open an earlier launched document instead of the selected document. (PC-88016)

Integration Server

- Resolved an issue which prevented the system from retaining read-only form data values when the form was saved. (PC87410)

Perceptive Recognition Agent

- Resolved an issue with images submitted through iScript for OMR recognition that prevented the system from writing the results to the FTX output file. (PC-88028)

Perceptive Content 7.2.3.447 Release (March 10, 2019)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content Client
- Perceptive Content Server

Perceptive Content Client

- Inactive application plans are no longer listed in the Application Plan list on Document Copy and Creation dialog boxes. (PC87862)

Perceptive Content Server

- Resolved an issue where links to folder workflow items would not open the item in a working status. (PC87861)
- Resolved an issue that prevented the system from saving document or folder keys after calling the INViewDocDID or INViewFolder API calls. (PC87919)

Perceptive Content 7.2.3.439 Release (February 10, 2019)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content Server
- Perceptive Content Client

Perceptive Content Server

- Resolved an issue where row lock contention could cause inserverJob database timeouts. (PC87826)
- Resolved an issue where mobile features were not available even when the appropriate licenses were present. (PC87567)

- Resolved an issue where Alarm Agent would prematurely process super queue alarms and also cause database contention and excessive CPU usage when an alarm was on a super queue. (PC70915)

Perceptive Content Client

- Added client-side rendering blacklist to allow administrators to specify filetypes that should not be displayed through the client. (PC70910)
- Resolved an issue with alarm rules in workflow where the system would incorrectly added an extra comma to the end of an email address in the TO field of the email header. (PC87763)

Perceptive Content 7.2.3.426 Release (January 10, 2019)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Integration Server
- Perceptive Forms Server
- WebNow Server

Perceptive Integration Server

- Java EE dependencies are now bundled with the application to ensure compatibility with Java SE 11. (PC87275)
- Resolved an issue where document page rendition and conversion calls would fail on pages that were imported without a resource name. (PC87369)

Perceptive Forms Server

- Java EE dependencies are now bundled with the application to ensure compatibility with Java SE 11. (PC87275)

WebNow Server

- Java EE dependencies are now bundled with the application to ensure compatibility with Java SE 11. (PC87275)

Perceptive Content 7.2.3.420 Release (December 10, 2018)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content Client

Perceptive Content Client

- Resolved an issue that prevented application plans from populating certain values for folder custom properties. (PC86964)

Perceptive Content 7.2.3.413 Release (November 10, 2018)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content Client
- Perceptive Integration Server

Perceptive Content Client

- Resolved an issue that prevented the client from running if it was installed to a non-default location. The client installer will perform a full installation to apply this change. (TFS77942)
- Resolved an issue with loading forms in the Workflow Viewer, which would cause a connection error to be displayed and prevent forms from loading. (TFS77964)

Perceptive Integration Server

- Deprecated HEAD method behaviors that deviated from matching GET method for all endpoints, while maintaining backwards compatibility with previous Integration Server releases. (PC87501)

Perceptive Content 7.2.3.402 Release (October 10, 2018)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content Server

Perceptive Content Server

- Resolved an issue with Retention Agent that caused issues with purging documents based on certain custom property date entries. (TFS24227)

Perceptive Content 7.2.3.395 Release (September 10, 2018)

The following components are included in this month's patch.

Product enhancements

This section provides, in alphabetical order, an overview of enhancements made to existing functionality.

- Perceptive Content Server
- Perceptive Integration Server

Perceptive Content Server

- Optimized server call that was invoked on user login to prevent client-side timeout when user has permissions to view a large number of views. (TFS77734)
- A new setting, `init.cache.vsl.rules.for.views`, was added to the [General] section of the `inserver.ini` configuration file. For more information, see the “`inserver.ini` [General] settings” topic of the Manage Content help. (TFS77734)

Perceptive Integration Server

- Added a document export endpoint to Integration Server. The endpoint supports exporting one or more documents as a single archive file. (PC86770)

Perceptive Content 7.2.3.384 Release (July 27, 2018)

The following enhancements and updates are included in the initial release of Perceptive Content 7.2.3.

Product enhancements

This section provides, in alphabetical order, an overview of enhancements made to existing functionality.

- Perceptive Content Client
- Perceptive Content Server
- Perceptive Integration Server
- WebNow
- Perceptive Business Insight

All patched products

- Resolved an issue where the client would crash when attempting to fix invalid capture profiles. Also note that if an invalid capture profile is present on the system then capture functionality will be disabled. (US23386)

Perceptive Content Client

- Resolved a compatibility issue with JSON utility libraries. (US40339)

Perceptive Content Server

- Resolved a compatibility issue with JSON utility libraries. (US40339)

- This release adds a new `mq.publication.retry.interval.seconds` setting to the [Message Queuing] section of the `inow.ini` configuration file. For more information, see the “`inow.ini` [Message Queuing] settings” topic of the Manage Content help. (US40302)
- This release adds three new settings, `num.workers.mq.publication`, `mq.cleanup.messages.max`, and `mq.publication.messages.per.worker.max`, to the [General] section of the `inserverJob.ini` configuration file. For more information, see the “`inserverJob`” topic of the Manage Content help. (US40302)
- This release adds two new settings, `auto.mq.publication.interval.seconds` and `auto.mq.cleanup.interval.seconds`, to the [Timers] section of the `inserverJob.ini` configuration file. For more information, see the “`inserverJob`” topic of the Manage Content help. (US40302)
- Improved validation of iScript file paths. All scripts must be located in the script directory and have a valid file extension. (US39588)
- Fixed an iScript defect that would cause an agent to crash when parsing a file path separator that was not consistent with the operating system. (DE25397)
- Improved the performance of a server call responsible for retrieving all form metadata. This enhancement resolved an issue where a document could take longer than expected to open immediately after the user logs into the system. (TFS 76327)
- Moved Windows PostgreSQL and SQLServer database drivers from the `[drive]:\inserver\bin<64>\dbconnector` directory to the `[drive]:\Program Files<(x86)>\Common Files\Perceptive Software\connectforodbc7` directory. (US40165)
- Moved Windows Oracle database drivers from the `[drive]:\inserver\bin<64>\dbconnector` directory to the `[drive]:\Program Files<(x86)>\Common Files\Perceptive Software\connectforodbc8` directory. (US40165)
- Moved Linux PostgreSQL and SQLServer database drivers from the `/inserver/odbc/lib` directory to the `/inserver/odbc/7/lib` directory. (US40165)
Note For existing installations must update the `odbc.ini` file to reflects these changes or use the `odbc.ini` file provided with the installation file.
- Moved Linux Oracle database drivers from the `/inserver/odbc/lib` directory to the `/inserver/odbc/8/lib` directory. (US40165)
Note For existing installations must update the `odbc.ini` file to reflects these changes or use the `odbc.ini` file provided with the installation file.
- Oracle now uses Connect/Connect64 for ODBC Oracle Driver version 8.0. (US40165)
- PostgreSQL now uses Connect/Connect64 for ODBC PostgreSQL Wire Protocol Driver version 7.1 SP6. (US40165)
- SQLServer now uses Connect/Connect64 for ODBC SQL Server Wire Protocol Driver version 7.1 SP6. (US40165)
- Perceptive Content Server now supports SQLServer2016 and SQLServer2017. (US40165)
- Perceptive Content Server now supports Oracle 12c R2. (US40165)
- Perceptive Content Server now supports PostgreSQL 9.6. (US40165)
- A new setting, `client.enable.filetype.checking`, was added to the [General] section of the `inserver.ini` configuration file. For more information, see the “`inserver.ini` [General] settings” topic of the Manage Content help. (TFS76812)

- The Email WebNow Link privilege is now the Email Web Link privilege. This update allows you to email both Perceptive Experience and WebNow links to documents from the viewer or explorer grid. Also, if you were previously assigned the Email WebNow Link privilege, you can now send Perceptive Experience Web links. (TFS77098)

Perceptive Integration Server

- Integration Server now requires Java 1.8.x. Support for Java 1.7.x has been removed. The minimum supported version of WebSphere Application Server V8.5 is V8.5.5.9. To use Integration Server, you must configure your web application servers to use the Java8 runtime environment.
- Integration Server now supports Apache Tomcat 9. (US40774)
- Fixed integration server endpoints so that the HEAD method invocations will return the same Content-Type as the GET method request. (US39344)

Note The only valid “Accepts” content type for the affected calls is `application/octet-stream`.

- Added ServiceStatus endpoint to Integration Server. Call this endpoint to determine the status of Integration Server and its dependent services. (US40936)
- Added rate limits to the ServerInfo and ServiceStatus endpoints. This limits the number of times Integration Server can call these endpoints within a thirty minute interval. You can change the default (560) by modifying the `ratelimiter.tracking.period.max.requests` setting in the `integrationserver.ini` configuration file. (US40936)

Perceptive Business Insight

- Perceptive Content now supports IBM Cognos Business Intelligence 10.2.2 Fix Pack 10.

WebNow

- Resolved an issue where encountering an error while saving form data could leave the Document Viewer in an inconsistent state. (DE15500)

Updates

This release provides updates to the following items.

- Perceptive Content Server

Perceptive Content Server

- Resolved an issue where inserverOSM would stop processing work if a database error was encountered. (TFS 76451)

Platform enhancements

iScript

The following table provides a list of additions and modifications to iScript 7.2.3. For a list of new and modified iScript objects by version, see the *iScript updates by version* topic in iScript help. For more information on these objects, see the corresponding topics in iScript help.

Action	Object	Description
New method	INDocument	Added <code>updateProperties</code> . This is a granular save method. The method only updates when instructed.
New constant	INDocument	Added the new constant enum <code>DocumentProperty</code> . Use this enum to specify which field to modify in <code>INDocument.updateProperties</code> .
Deprecated method	INDocument	Deprecated <code>setProperties</code> . Use <code>updateProperties</code> instead.
Deprecated method	INDocument	Deprecated <code>setCustomProperties</code> . Use <code>updateProperties</code> instead.
New method	INFolder	Added <code>updateProperties</code> . This is a granular save method. The method only updates when instructed.
New constant	INFolder	Added the new constant enum <code>FolderProperty</code> . Use this enum to specify which field to modify in <code>INFolder.updateProperties</code> .
Deprecated method	INFolder	Deprecated <code>setInfo</code> . Use <code>updateProperties</code> instead.
Deprecated method	INFolder	Deprecated <code>setCustomProperties</code> . Use <code>updateProperties</code> instead.
New data member	INInstanceProp	Added the new constant enum <code>CompositPropertyUpdateAction</code> . Use this enum to specify what action to take on the given composite property.
New data member	INInstanceProp	Added the data member <code>elementId</code> . This ID is assigned to all child properties of composite and array custom properties.
Modified function	INWfQueue	Removed ability to add an Integration ASQ to the workflow. Existing Integration ASQs can be modified but new Integration ASQs cannot be created.

Perceptive Integration Server

For a list of new and modified Integration Server calls by release date and version, see the Changelog page of the Integration Server help.

Perceptive Content 7.2.2.xxx Release (July 10, 2023)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content Client

Perceptive Content Client

Resolved an issue with the LearnMode script AppGetTree() function not working correctly with Google Chrome versions 114 and later. (PER-8653)

Perceptive Content 7.2.2.621 Release (September 10, 2020)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content Output Agent

Perceptive Content Output Agent

- Resolved an issue where annotations were incorrectly formatted when using Output Agent to export a document from Perceptive Content. (PC-89082)
- Added a new option, Clientview, for the output.mode setting in the [General] group of the inserverOutput.ini configuration file. This setting allows files exported via Output Agent to more closely match what is produced when exporting from the Perceptive Content desktop client. (PC-89082)

Perceptive Content 7.2.2.617 Release (August 10, 2020)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Recognition Agent

All Perceptive Content Agents

- Resolved an issue on Linux where reading XML files in iScript using the inxml library could result in data corruption. (PC-89360)

Perceptive Recognition Agent

- Updated the underlying iScript string methods for non-Unicode agents. (PC-89360)

Perceptive Content 7.2.2.610 Release (July 10, 2020)

The following components are included in this month's patch.

All Released Products

- Resolved an issue where search parameters containing double hyphens would cause an error. (PC-89173)

Perceptive Content 7.2.2.595 Release (April 10, 2020)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content Server

All Released Products

- Updated the code signing certificate for Windows applications and WebNow. (PC-89088)

Perceptive Content Server

- Resolved an issue where audit files could have invalid XML content. (PC-88480)

Perceptive Content 7.2.2.590 Release (March 10, 2020)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Integration Server

All Perceptive Content Agents

- Perceptive Content now supports RabbitMQ version 3.8. (PC-89085)

Perceptive Integration Server

- A new setting, `session.cookie.samesite.policy`, was added to the [General] section of the `integrationserver.ini` configuration file. For more information, see the "Appendix A; integrationserver.ini file options" section of the Perceptive Integration Server Installation Guide. (PC-89087)

Microsoft 2020 LDAP Advisory

Microsoft 2020 LDAP channel binding and LDAP signing requirements

This requirement applies to the following:

- Perceptive Content Server LDAP Authentication
- Perceptive Content User Replication Agent
- Perceptive Content Management Console LDAP User Import
- Perceptive Content Integration Server X.509 LDAP Authentication

Microsoft plans to release a security update to all Windows versions in March 2020 that requires Lightweight Directory Access Protocol (LDAP) channel binding and LDAP signing. Hyland has reviewed the proposed changes and has identified potential impacts to Perceptive Content. To satisfy the new LDAP signing requirements, Perceptive Content LDAP configurations must support SSL/TLS and bind on port 636. LDAP configurations that do not leverage SSL/TLS and bind on port 389 will no longer work when Microsoft releases the LDAP security update in March. Hyland recommends that System Administrators review Microsoft Security Advisory ADV190023 and ensure that their Perceptive Content LDAP configurations are configured to use SSL/TLS. For any assistance needed relating to Perceptive Content LDAP configurations please contact Hyland Global Support.

For more information, see the following blog post on Hyland Community.

<https://community.hyland.com/en/blog/posts/72137-2020-ldap-channel-binding-and-ldap-signing-requirement-for-window>

Perceptive Content 7.2.2.577 Release (December 10, 2019)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content Client

All patched products

- Updated timestamping authority for signed Perceptive Content Windows applications and Java clients. (PC-88720)

Perceptive Content Client

- Resolved an issue where the client would incorrectly display the toolbar after logging in. (PC-88620)
- Added new settings for performance improvements when Perceptive Content agents are using an Oracle database. For more information, see the "inow.ini [ODBC]" settings topic of the Manage Content help. (PC-88761)

Perceptive Content 7.2.2.567 Release (November 10, 2019)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content Client

Perceptive Content Client

Resolved an issue with zoom regions not working in the client. (PC-88638)

Perceptive Content 7.2.2.562 Release (October 10, 2019)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content Server
- WebNow

Perceptive Content Server

- Resolved an issue where characters were being interpreted as wildcards in certain VSL query statements. (PC-73548)

WebNow

- Resolved an issue where the system would save eForm data to the wrong document after a previous eForm was opened. (PC-88517)

Perceptive Content 7.2.2.557 Release (September 10, 2019)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content Client
- Perceptive Content Server
- Perceptive Recognition Agent

Perceptive Content Client

- Resolved issue where a trailing space on doc key entry would prevent updates from being saved in a workflow context. (PC-88479)

Perceptive Content Server

- Resolved an issue in workflow where custom properties could not be modified after being saved. (PC-73863)

Perceptive Recognition Agent

- Resolved an issue where Perceptive Recognition Agent would unexpectedly close when processing 0kb files. (PC-88394)

Perceptive Content 7.2.2.539 Release (June 10, 2019)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content Server

Perceptive Content Server

- Resolved an issue that caused the system to return incorrect results when searching for a document that was created during DST when the present date is not in DST (or visa-versa). (PC-87897)
- A new setting, `enable.folder.content.view.sorting`, was added to the [Views] section of the `inserver.ini` configuration file. For more information, see the "inserver.ini [Views] settings" topic of the Manage Content help. (PC-87979)

Perceptive Content 7.2.2.535 Release (April 10, 2019)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content Client
- Integration Server

Perceptive Content Client

- Removed Java Access Bridge from the Perceptive Content installer. You must pre-install Java Access Bridge on the consumer's system to use Java Learnmode integration. (PC-87982)
- Replaced the JABInstaller executable with JABConfigurationTool for configuring Java Access Bridge at installation and run time. (PC-87982)

Integration Server

- Resolved an issue which prevented the system from retaining read-only form data values when the form was saved. (PC87410)

Perceptive Content 7.2.2.519 Release (March 10, 2019)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content Client
- Perceptive Content Server
- Integration Server

Perceptive Content Client

- Inactive application plans are no longer listed in the Application Plan list on Document Copy and Creation dialog boxes. (PC87862)

Perceptive Content Server

- Resolved an issue where links to folder workflow items would not open the item in a working status. (PC87861)
- Resolved an issue where some database queries would fail on SQL Server due to exceeding the maximum number of bind parameters. (PC-87806)

Integration Server

- Resolved an issue which prevented the system from retaining read-only form data values when the form was saved. (PC87410)

Perceptive Content 7.2.2.513 Release (February 10, 2019)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content Server
- Perceptive Content Client

Perceptive Content Server

- Resolved an issue where mobile features were not available even when the appropriate licenses were present. (PC87567)
- Resolved an issue where Alarm Agent would prematurely process super queue alarms and also cause database contention and excessive CPU usage when an alarm was on a super queue. (PC70915)

Perceptive Content Client

- Added client-side rendering blacklist to allow administrators to specify filetypes that should not be displayed through the client. (PC70910)

- Resolved an issue with alarm rules in workflow where the system would incorrectly added an extra comma to the end of an email address in the TO field of the email header. (PC87763)

Perceptive Content 7.2.2.502 Release (January 10, 2019)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Integration Server
- Perceptive Forms Server
- WebNow

Perceptive Integration Server

- Java EE dependencies are now bundled with the application to ensure compatibility with Java SE 11. (PC87275)

Perceptive Forms Server

- Java EE dependencies are now bundled with the application to ensure compatibility with Java SE 11. (PC87275)

WebNow

- Java EE dependencies are now bundled with the application to ensure compatibility with Java SE 11. (PC87275)

Perceptive Content 7.2.2.498 Release (December 10, 2018)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content Client

Perceptive Content Client

- Resolved an issue that prevented application plans from populating certain values for folder custom properties. (PC86964)

Perceptive Content 7.2.2.493 Release (November 10, 2018)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content Client

Perceptive Content Client

- Resolved an issue that prevented the client from running if it was installed to a non-default location. The client installer will perform a full installation to apply this change. (TFS77942)
- Resolved an issue with loading forms in the Workflow Viewer, which would cause a connection error to be displayed and prevent forms from loading. (TFS77964)

Perceptive Content 7.2.2.487 Release (October 10, 2018)

The following components are included in this month's patch.

Product updates

This section provides, in alphabetical order, an overview of updates made to existing functionality.

- Perceptive Content Server

Perceptive Content Server

- Resolved an issue with Retention Agent that caused issues with purging documents based on certain custom property date entries. (TFS24227)

Perceptive Content 7.2.2.483 Release (September 10, 2018)

The following components are included in this month's patch.

Product enhancements

This section provides, in alphabetical order, an overview of enhancements made to existing functionality.

- Perceptive Content Server
- Perceptive Integration Server

Perceptive Content Server

- Optimized server call that was invoked on user login to prevent client-side timeout when user has permissions to view a large number of views. (TFS77734)
- A new setting, `init.cache.vsl.rules.for.views`, was added to the [General] section of the `inserver.ini` configuration file. For more information, see the "inserver.ini [General] settings" topic of the Manage Content help. (TFS77734)

Perceptive Integration Server

- Added a document export endpoint to Integration Server. The endpoint supports exporting one or more documents as a single archive file. (PC86770)

Perceptive Content 7.2.2.470 Release (July 10, 2018)

The following components are included in this month's patch.

- Perceptive Content Client 7.2.2.470
- Perceptive Content Server 7.2.2.470
- Integration Server 7.2.2.470

If upgrading from a previous version of Perceptive Content, see the 7.2.x *Perceptive Content Update Guide*.

Important Perceptive Content Server must be running the same patch as, or running a newer patch than, Perceptive Content Client, WebNow, and any agents. This means that you must first use this patch to update your Perceptive Content Server, and then you can update the clients or agents with this patch.

The following updates are included in this patch.

Updates

Perceptive Content Client

- Resolved an issue that prevented an ImageNow user, granted with the appropriate privileges, from moving pages between documents. (TFS77364)

Perceptive Content Server

- Resolved an issue that prevented a user, granted with the Use Version Control privilege, from checking in a document through Perceptive Content. (DE25642)
- In version control, you can now prevent the check-in of a locally modified page if document privileges (Content Create/Page Delete) are set to a hard deny in Perceptive Content. (DE25642)
- Resolved an issue where iScript Http objects would not correctly handle certain errors and could leak memory. The HttpClient, HttpRequest and HttpResponse objects are now also capable of throwing exceptions that can be handled by scripts. (TFS77062/DE25772)

Integration Server

- Resolved an issue that caused the Tomcat service shutdown to take longer than expected when running Integration Server with Apache Tomcat 9. (TFS77121)
- Integration Server now supports Apache Tomcat 9. (US40774)

Perceptive Content 7.2.2.459 Release (June 10, 2018)

The following components are included in this month's patch.

- Perceptive Content Server 7.2.2.459

If upgrading from a previous version of Perceptive Content, see the 7.2.x *Perceptive Content Update Guide*.

Important Perceptive Content Server must be running the same patch as, or running a newer patch than, Perceptive Content Client, WebNow, and any agents. This means that you must first use this patch to update your Perceptive Content Server, and then you can update the clients or agents with this patch.

The following updates are included in this patch.

Updates

Perceptive Content Server

- Resolved an issue that may cause a long running process to consume an unbounded amount of memory. (TFS76914)
- Resolved an issue that caused a client request that contains Unicode characters to leave a connection in an unusable state when connected to an ANSI only agent. (TFS76373)
- A new setting, client.enable.filetype.checking, was added to the [General] section of the inserver.ini configuration file. For more information, see the “inserver.ini [General] settings” topic of the Manage Content help. (TFS76812/DE25493)
- Resolved a hardware licensing issue that could prevent licensing the product on certain Linux virtual machines. (DE25679)
- Updated inserverOSM to perform a file integrity check when moving an object that was previously unvalidated. (TFS77013)
- A new setting, osm.phsob.validation.batch.size, was added to the [General] section of the inserverOSM.ini configuration file. For more information, see the “inserverOSM.ini [General] settings” topic of the Manage Content help. (TFS77061/US40801)

Perceptive Content Client

- Resolved an issue that caused the client to stop responding when users scanned or merged documents. (DE24821)
- Added client-side filetype checking consumed during drag-and-drop import to ensure zero-page documents are not created. (TFS76812/ DE25493)

WebNow

- Resolved an issue where encountering an error while saving form data could leave the Document Viewer in an inconsistent state. (DE15500)

Perceptive Content 7.2.2.443 Release (May 10, 2018)

The following components are included in this month's patch.

- Perceptive Content Client 7.2.2.443
- Perceptive Content Server 7.2.2.443
- Perceptive Integration Server 7.2.2.443

- WebNow 7.2.2.443

If upgrading from a previous version of Perceptive Content, see the *7.2.x Perceptive Content Update Guide*.

Important Perceptive Content Server must be running the same patch as, or running a newer patch than, Perceptive Content Client, WebNow, and any agents. This means that you must first use this patch to update your Perceptive Content Server, and then you can update the clients or agents with this patch.

The following updates are included in this patch.

Updates

All patched products

- Updated the code signing certificate for Windows applications and Java clients. (US39970)

Perceptive Content Client

- Perceptive Content LearnMode functionality now integrates with Ellucian Banner 9 and Colleague UI 5 applications when using the Google Chrome or Mozilla Firefox browsers via the LearnMode Visual Basic script AppGetTree() function. (US40535)

Perceptive Content Server

- Resolved a compatibility issue with JSON utility libraries. (US40339)

Perceptive Integration Server

- Resolved an issue where unnecessary Integration Server calls were being made when rendering form HTML. (DE25663)

Perceptive Content 7.2.2.434 Release (April 10, 2018)

The following components are included in this month's patch.

- Perceptive Content Client 7.2.2.434
- Perceptive Content Server 7.2.2.434

If upgrading from a previous version of Perceptive Content, see the *7.2.x Perceptive Content Update Guide*.

Important Perceptive Content Server must be running the same patch as, or running a newer patch than, Perceptive Content Client, WebNow, and any agents. This means that you must first use this patch to update your Perceptive Content Server, and then you can update the clients or agents with this patch.

The following updates are included in this patch.

Updates

Perceptive Content Client

- Resolved an issue where the client would crash when attempting to open a second document in a folder using CTRL+Click. (TFS 76410)

Perceptive Content Server

- A new setting, `odbc.disable.query.hint`, was added to the [ODBC] section of the `inow.ini` configuration file. Set the setting to TRUE to remove the FAST 1 query hint on SQL Server select statements and improve SQL query performance. For more information, see the “`inow.ini` [ODBC] settings” topic of Manage Content help. (DE25579)
- Enhanced message processing speed for Retention Agent when a document’s doctype is associated with an inactive retention policy. (TFS 76669)

Perceptive Content 7.2.2.417 Release (March 10, 2018)

The following components are included in this month’s patch.

- Perceptive Content Server 7.2.2.417
- WebNow

If upgrading from a previous version of Perceptive Content, see the *7.2.x Perceptive Content Update Guide*.

Important Perceptive Content Server must be running the same patch as, or running a newer patch than, Perceptive Content Client, WebNow, and any agents. This means that you must first use this patch to update your Perceptive Content Server, and then you can update the clients or agents with this patch.

The following updates are included in this patch.

Updates

Perceptive Content Server

- Resolved an issue where `inserverOSM` would stop processing work if a database error was encountered. (TFS 76451)
- Improved the performance of a server call responsible for retrieving all form metadata. This enhancement resolved an issue where a document could take longer than expected to open immediately after the user logs into the system. (TFS 76327)
- Resolved an issue where iScript would not correctly represent large integral numbers when converting to and from JSON. (TFS 76371)
- Fixed an iScript defect that would cause an agent to crash when parsing a file path separator that was not consistent with the operating system. (DE25387)

WebNow

- Resolved an issue where an unnecessary error message would appear after successfully routing items in a workflow queue. (DE25084)
- Resolved an issue where the system did not display certain HTML documents correctly. (DE25423)

Perceptive Content 7.2.2.401 Release (February 10, 2018)

The following components are included in this month's patch.

- Perceptive Content Server 7.2.2.401
- Perceptive Integration Server 7.2.2.402

If upgrading from a previous version of Perceptive Content, see the *7.2.x Perceptive Content Update Guide*.

Important Perceptive Content Server must be running the same patch as, or running a newer patch than, Perceptive Content Client, WebNow, and any agents. This means that you must first use this patch to update your Perceptive Content Server, and then you can update the clients or agents with this patch.

The following updates are included in this patch.

Updates

Perceptive Content Server

- Resolved an issue where inserver would fail to load thumbnails, resulting in server crashes. (DE25158)
- Resolved an issue where after rotating and saving an image, the image would revert back to its original orientation when using the right-click zoom option. (TFS 16596)

Perceptive Integration Server

- General updates to improve security and performance. (US40221)

Perceptive Content 7.2.2.396 Release (January 10, 2018)

The following components are included in this month's patch.

- Perceptive Content Server

If upgrading from a previous version of Perceptive Content, see the 7.2.x *Perceptive Content Update Guide*.

Important Perceptive Content Server must be running the same patch as, or running a newer patch than, Perceptive Content Client, WebNow, and any agents. This means that you must first use this patch to update your Perceptive Content Server, and then you can update the clients or agents with this patch.

The following updates are included in this patch.

Updates

Perceptive Content Server

- Improved script path validation with the addition of new iscript settings iscript.strict.file.paths.enable and iscript.strict.file.extensions.enable under the [iScript] section of the inow.ini configuration file. (US39588)
- Updated supported versions of Erlang to align with RabbitMQ best practices. (US40044)

Note Refer to the RabbitMQ documentation site for Erlang version requirements when performing RabbitMQ updates.

Perceptive Content 7.2.2.382 Release (December 10, 2017)

The following components are included in this month's patch.

- Business Insight
- Perceptive Content Server
- Perceptive Integration Server
- WebNow

If upgrading from a previous version of Perceptive Content, see the 7.2.x *Perceptive Content Update Guide*.

Important Perceptive Content Server must be running the same patch as, or running a newer patch than, Perceptive Content Client, WebNow, and any agents. This means that you must first use this patch to update your Perceptive Content Server, and then you can update the clients or agents with this patch.

The following updates are included in this patch.

Updates

Business Insight

- Resolved an issue where the system runs a report that references the deprecated IN_DOC.DELETION_STATUS column, resulting in an error. (DE24926)

- Resolved an issue where during an upgrade to a newer version of Business Insight the system does not preserve the 'integration.server.authentication.token' and 'dispatcher' settings. (TFS75748)

Perceptive Content Server

- Improved query performance for Retention Policy mass evaluation workflow queues. (US39797)

Perceptive Integration Server

- Resolved an issue where users without the Page Delete privilege can replace pages in a document. (TFS75358)

WebNow

- Resolved an issue where when a system had task auto fetch enabled, when a user completed a task which contained a form the system was not able to display the next task. (DE24867)
- Resolved an issue where the system does not display the user's next assigned task when that user navigates to the My Assigned tasks view via URL and also does not have privileges to the All Tasks view. (DE13724/TFS14382)

Perceptive Content 7.2.2.370 Release (November 10, 2017)

The following components are included in this month's patch.

- Perceptive Content Server 7.2.2.370
- Perceptive Integration Server 7.2.2.370
- Retention Policy Manager 7.2.2.370
- WebNow 7.2.2.370

If upgrading from a previous version of Perceptive Content, see the *7.2.x Perceptive Content Update Guide*.

Important Perceptive Content Server must be running the same patch as, or running a newer patch than, Perceptive Content Client, WebNow, and any agents. This means that you must first use this patch to update your Perceptive Content Server, and then you can update the clients or agents with this patch.

The following updates are included in this patch.

Updates

Perceptive Content Server

- Resolved an issue where users cannot start Content Server and create a new system fingerprint because the system encounters the SQL query timeout and causes agents running to shut down. (TFS74118)
- Resolved the excessive use of system resources by RabbitMQ and Content Server that occurred due to the system not being able to utilize a deprecated job processor (PolicyAssignDocJobs). The job processor has now been added back to the system. (TFS75173)

Perceptive Integration Server

- Resolved an issue where Integration Server would not release logging resources when handling certain connection errors. (TFS75332)

Retention Policy Manager

- Resolved an issue where time outs could occur on systems with large quantities of documents in active retention policies. (US39594)
- Resolved an issue where time outs could occur as items move through a retention policy. (US39594)
- Resolved an issue where Workflow Agent timed out when performing an item count. (US39594)
- Resolved an issue where some queues would not respect the Workflow Agent affinity configuration setting. (US39594)
- Resolved an issue where deadlocks could occur when processing large numbers of items for a workflow queue. (US39594)

WebNow

- Resolved an issue where the system does not save the correct on hold date for an item in workflow. (TFS72685)

Perceptive Content 7.2.2.354 & 7.2.2.357 Release (October 10, 2017)

The following components are included in this month's patch.

- Perceptive Content Server 7.2.2.354
- Perceptive Integration Server 7.2.2.354
- WebNow 7.2.2.357

If upgrading from a previous version of Perceptive Content, see the *7.2.x Perceptive Content Update Guide*.

Important Perceptive Content Server must be running the same patch as, or running a newer patch than, Perceptive Content Client, WebNow, and any agents. This means that you must first use this patch to update your Perceptive Content Server, and then you can update the clients or agents with this patch.

The following updates are included in this patch.

Updates

Perceptive Content Server

- Resolved an issue where the system does not correctly save modified document keys when a document has an empty array custom property associated with it. (TFS74256)
- Resolved an issue where the system did not save edits to document keys when a form that synchronized with document keys and custom properties was modified and the user selected the back button to leave the form. (TFS74260)

- Resolved an issue where CaptureNow failed to create a job for Batch Agent to process after a user completed QA on a profile set to auto process. (DE24697/TFS74357)

Perceptive Integration Server

- Resolved an issue where Integration Server only partially recovered a Perceptive Experience session when an intermittent network error occurred. (DE24914/TFS74849)

WebNow

- Resolved an issue where custom property dates could only be searched by 2-digit years. Custom property date search values must now be entered as 4-digit year values. (DE15942/TFS72494)

Perceptive Content 7.2.2.338 Release (September 10, 2017)

The following components are included in this month's patch.

- Perceptive Business Insight
- Perceptive Content Client
- Perceptive Content Server
- Perceptive Email Agent
- Perceptive Forms Server
- Perceptive Integration Server

If upgrading from a previous version of Perceptive Content, see the 7.2.x *Perceptive Content Update Guide*.

Important Perceptive Content Server must be running the same patch as, or running a newer patch than, Perceptive Content Client, WebNow, and any agents. This means that you must first use this patch to update your Perceptive Content Server, and then you can update the clients or agents with this patch.

Product enhancements

This section provides, in alphabetical order, an overview of enhancements.

- Perceptive Business Insight
- Perceptive Content Server
- Perceptive Email Agent
- Perceptive Forms Server
- Perceptive Integration Server

Perceptive Business Insight

Agent-specific credentials can now be created for Business Insight using agent authentication tokens.

Perceptive Content Server

Content Server now supports agent-specific authentication tokens for Email Agent, Forms Server, and Business Insight. Agent authentication tokens are created using INTool and configured within agent-specific configuration files.

Content Server now enforces a privilege check for the Create/Append privilege on the destination drawer before a user can move a document to a drawer in Perceptive Experience.

Perceptive Email Agent

Agent-specific credentials can now be created for Email Agent using agent authentication tokens.

Perceptive Forms Server

Agent-specific credentials can now be created for Forms Server using agent authentication tokens.

Perceptive Integration Server

Integration Server now validates agent-specific authentication tokens for Email Agent, Forms Server, and Business Insight.

Updates

Perceptive Content Client

- Resolved an issue where users could successfully create a folder without providing the required custom properties. (DE24607)

Perceptive Content Server

- Resolved an issue where a user could not save changes to a form associated with a document in version control that was checked out. (TFS15868)
- Resolved an issue where Content Server was not performing privilege checks associated with editing document keys. (TFS73782)

Perceptive Integration Server

- Resolved an issue where a user could not save changes to a form associated with a document in version control that was checked out. (TFS15868)
- Resolved an issue where Integration Server did not return the correct error codes when users did not have the correct privileges to modify document keys. (TFS74117)
- Resolved an issue where a document endpoint failed to upload if a retry was required. The system now ensures that Integration Server object uploading behaves as expected when a recoverable error is encountered. (TFS74197)

Perceptive Content 7.2.2.295 Release (July 10, 2017)

The following components are included in this month's patch.

- Perceptive Content Client

- Perceptive Content Server
- Perceptive Integration Server

If upgrading from a previous version of Perceptive Content, see the 7.2.x *Perceptive Content Update Guide*.

Important Perceptive Content Server must be running the same patch as, or running a newer patch than, Perceptive Content Client, WebNow, and any agents. This means that you must first use this patch to update your Perceptive Content Server, and then you can update the clients or agents with this patch.

The following updates are included in this patch.

Updates

Perceptive Content Client, Perceptive Content Server

- Resolved an issue where batch link failures may have occurred if an environment had multiple batch agents running and batches were configured for automatic processing and bypassing the QA processing step. (TFS72954)

Perceptive Integration Server

- Resolved an issue where a user could not execute the Integration Server `Patch` call to move a document into a folder that resided in a different drawer than the document being moved. (TFS73167)

Perceptive Content 7.2.2.277 Release (June 10, 2017)

The following components are included in this month's patch.

- iConvert for Perceptive Content
- Perceptive Content Client
- Perceptive Content Server
- Perceptive Fax Agent
- Perceptive File Processing Agent
- Perceptive Output Agent
- Perceptive Recognition Agent

If upgrading from a previous version of Perceptive Content, see the 7.2.x *Perceptive Content Update Guide*.

Important Perceptive Content Server must be running the same patch as, or running a newer patch than, Perceptive Content Client, WebNow, and any agents. This means that you must first use this patch to update your Perceptive Content Server, and then you can update the clients or agents with this patch.

The following enhancements and updates are included in this patch.

Product Enhancements

Perceptive Content Server

- The `logoff-expired-sessions` intool command was added. This command allows the system to end user sessions that have persisted longer than a defined duration of time. The `logoff-expired-sessions` command includes the `max-age` and `lictype` arguments. You may filter user sessions to be logged off by session duration using the `max-age` argument. You may filter user sessions to be logged off by client license type using the `lictype` argument. The `lictype` argument is optional. If the command runs successfully, the system outputs the number of sessions found that will be logged off.
- This release adds a new `mq.connection.wait.milliseconds` setting to the [Message Queuing] section of the `inow.ini` configuration file. For more information, see the “`inow.ini` [Message Queuing] settings” topic of Manage Content help.

Updates

Perceptive Content Client, Perceptive Content Server

- Resolved an issue where when a value was not provided for the optional `ClipName` setting the user was presented with an error. (TFS72257)
- Resolved an issue where when the system called the Integration Server `PATCH v6/document/{id}` call and specified a folder as the document location a 404 error occurred. (TFS72745)

iConvert for Perceptive Content, Perceptive Content Client, Perceptive Content Server, Perceptive Content Fax Agent, Perceptive Content File Processing Agent, Perceptive Content Output Agent, Perceptive Content Recognition Agent

- During the installation of Content Server, the Client-side configuration for RabbitMQ dialog now includes a prompt asking for the port number to use for the Content Client and SSL encryption settings. (TFS71966)

Perceptive Content 7.2.2.256 Release (May 10, 2017)

The following components are included in this month's patch.

- Perceptive Content Client
- Perceptive Content Server
- Perceptive Recognition Agent

If upgrading from a previous version of Perceptive Content, see the 7.2.x *Perceptive Content Update Guide*.

Important Perceptive Content Server must be running the same patch as, or running a newer patch than, Perceptive Content Client, WebNow, and any agents. This means that you must first use this patch to update your Perceptive Content Server, and then you can update the clients or agents with this patch.

The following updates are included in this patch.

Updates

Perceptive Content Client

- Resolved an issue where the system unexpectedly closed when a user undocked the Tasks Pane from the document viewer and then pressed OK or closed the pop up dialog after completing the last task assigned to the current user. (TFS71510)
- Resolved an issue where document keys defined in a batch mode capture profile may not have been correctly assigned to a batch page during import. The issue may have led to errors during the linking phase of the affected batch pages, resulting in partially linked batches. (TFS72255)
- Resolved an issue where the system would not apply required forms permissions for the imagenowforms user after an upgrade to Perceptive Content 7.2 from a Perceptive Content version prior to 7.1.5. The system incorrectly presented the imagenowforms user with an error message indicating insufficient privileges. (TFS72271)
- Resolved an issue where the windows positions were not retained after a user logged out of Perceptive Content. (TFS72278)

Perceptive Content Server

- Resolved an issue, which prevented batch jobs from successfully processing automatically. This included an issue where a batch capture set to use an OCR zone and to auto process would not automatically process. The timing of the creation of the batch job, updating the batch table, and message publication was corrected to ensure the successful completion of batch captures. (TFS23126)

Perceptive Recognition Agent

- The Recognition Agent installer no longer uses the DataDirect port as the default value for the ImageNow Server Port. The default port is now 6000. (TFS72377)

Perceptive Content 7.2.2.233 Release (March 31, 2017)

The following enhancements and updates are included in the initial release of Perceptive Content 7.2.2.

Product enhancements

This section provides, in alphabetical order, an overview of enhancements.

- Alarm Agent
- Envoy and Perceptive SOAPBridge Connector
- Message Queuing
- Object Store Manager
- Perceptive Content Database
- Perceptive Content Server
- Perceptive Forms Server
- Perceptive Full Text Search Agent
- SAML Assertion Passive Authentication Adapter
- Workflow Automated System Queues

Alarm Agent

You can now include Perceptive Experience URL links in queue alarm emails. Four new setting options were added to the [Email] section of the `inserverAlarm.ini` file. For more information, see the “`inserverAlarm.ini`” topic of Manage Content help.

Envoy and Perceptive SOAPBridge Connector

This release removes Envoy, which is being replaced by version 1.0 of Perceptive SOAPBridge Connector. Perceptive SOAPBridge Connector is a REST service that allows you to facilitate automated, back-end integration of your SOAP business application. To update from Envoy to Perceptive SOAPBridge Connector, and for Envoy replacement considerations, see the 7.2 Perceptive Content Update Guide. To install SOAPBridge Connector, see the 1.0.x *Perceptive SOAPBridge Connector Installation and Setup Guide* and the *Perceptive Connect Runtime Installation and Setup Guide*.

Message Queuing

RabbitMQ and Erlang

The minimum supported version of Erlang was updated with this release to 18.3. Beginning with release 7.1.5.1602, the minimum supported version of RabbitMQ was updated to 3.6.5. If running in a clustered environment, you must upgrade all nodes at the same time and all nodes must be shut down during the upgrade. RabbitMQ and Erlang require that you run the same major and minor version on all nodes in a cluster. For more information, see the RabbitMQ clustering guide available through the RabbitMQ website.

Object Store Manager

This release removes the Content Addressable Storage (CAS) integration type used by OSM sets and OSM trees. The `inUpgradeUtil upgrade-cas-to-ext` command converts the OSM CAS sets to OSM EXT sets automatically for Windows as part of the upgrade process. On Linux, you must manually execute the command.

Perceptive Content Database

User / Group Microservice

This release adds functionality to map and synchronize User and Group metadata from User and Group Services. During authentication, you can now bind user sessions based on their service mapping.

Perceptive Content Server

Microsoft SQL Server support

Perceptive Content Server and agents now support Microsoft SQL Server 2016. This release also removes support for Microsoft SQL Server 2008 R2. For all specifications, see the 7.2.x *Perceptive Content Technical Specifications*.

inow.ini configuration file

This release adds a new [Experience] section to the inow.ini configuration file. This group has one setting to specify the URL for Perceptive Experience. For more information, see the “inow.ini [Experience] setting” topic of Manage Content help.

This release adds the new `mq.client.port` setting to the [Message Queuing] section of the inow.ini configuration file. For more information, see the “inow.ini [Message Queuing] settings” topic of Manage Content help.

Perceptive Forms Server

Forms Server calls now verify the Create Form presentation privileges. When upgrading to 7.2.x, the installer runs the `inUpgradeUtil upgrade-privs` command which adds this privilege.

Perceptive Full Text Search Agent

This release removes Full Text Search Agent, which includes the removal of the [Full Text] section in the `inow.ini` file. Content automated system queues (ASQ) are no longer applicable since Content ASQs submitted items to Full Text Search Agent. Upgrading to 7.2.x also removes all full text search filters. We recommend uninstalling `inserverFT` prior to upgrading to 7.2.x. For more information, see the 7.2.x *Perceptive Content Update Guide*.

Note Perceptive Enterprise Search provides full text search against Perceptive Content 7.0 and higher. For more information about Perceptive Enterprise Search, contact your Hyland representative.

OSM Agent

With this release, the OSM Agent no longer opens socket connection to port 7202 since the OSM Agent (`inserverOSM`) used port 7202 to communicate with Full Text Search Agent.

Recognition Agent

The removal of Full Text Search Agent now requires you to set the `REMOTED` value in the `inserverRec.ini` file to `TRUE`, even if Recognition Agent is running locally.

SAML Assertion Passive Authentication Adapter

With this release, you can now specify the number of worker threads in the asynchronous retry pool, and how often the queue is checked for new work. Additional functionality allows you to specify if users are automatically imported or bound during an ECS login.

Workflow Automated System Queues

With this release, creation of new Integration ASQs has been deprecated. The interface to support sending web service notifications from Perceptive Content no longer supports the use of SOAP. The system now supports the use of REST APIs when implemented with Perceptive Connect Runtime integrations. To send web service notifications from Perceptive Content you must use a Connect ASQ. You have the option to convert Integration ASQs to Connect ASQs using the `inUpgradeUtil convert-integration-queues` command. For more information, see the “Run `INUpgradeUtil` commands” topic of Manage Content help.

Important This conversion is a breaking change that requires prior action on your part. Before upgrading any existing Integration ASQ to a Connect ASQ, you must create a connector or reconfigure existing channels to use the REST trigger. For more information on creating connectors, see the *Perceptive Content Connector Installation Guide*. Converting an Integration ASQ without having a connector in place will cause all the items processed in the new Connect ASQ to be routed to the failure queue.

Platform enhancements

iScript

The following table provides a list of additions and modifications to iScript 7.2. For a list of new and modified iScript objects by version, see the *iScript updates by version* topic in iScript help. For more information on these objects, see the corresponding topics in iScript help.

Action	Object	Description
New method	INDocument	Added <code>updateProperties</code> . This is a granular save method. The method only updates when instructed.
New constant	INDocument	Added the new constant enum <code>DocumentProperty</code> . Use this enum to specify which field to modify in <code>INDocument.updateProperties</code> .
Deprecated method	INDocument	Deprecated <code>setProperties</code> . Use <code>updateProperties</code> instead.
Deprecated method	INDocument	Deprecated <code>setCustomProperties</code> . Use <code>updateProperties</code> instead.
New method	INFolder	Added <code>updateProperties</code> . This is a granular save method. The method only updates when instructed.
New constant	INFolder	Added the new constant enum <code>FolderProperty</code> . Use this enum to specify which field to modify in <code>INFolder.updateProperties</code> .
Deprecated method	INFolder	Deprecated <code>setInfo</code> . Use <code>updateProperties</code> instead.
Deprecated method	INFolder	Deprecated <code>setCustomProperties</code> . Use <code>updateProperties</code> instead.
New data member	INInstanceProp	Added the new constant enum <code>CompositPropertyUpdateAction</code> . Use this enum to specify what action to take on the given composite property.
New data member	INInstanceProp	Added the data member <code>elementId</code> . This ID is assigned to all child properties of composite and array custom properties.
Modified function	INWfQueue	Removed ability to add an Integration ASQ to the workflow. Existing Integration ASQs can be modified but new Integration ASQs cannot be created.

Perceptive Integration Server

For a list of new and modified Integration Server calls by release date and version, see the Changelog page of the Integration Server help.

Forms privileges

Integration Server forms endpoints now verify access to the View, Modify, Create, and Delete presentation privileges, and the associated object type's View privileges. If you are attempting to access or modify an object using a workflow context, you must specify the optional `queueId` query parameter.

integrationserver.ini configuration file

Six new settings have been added to the `integrationserver.ini` file: `connection.timeout.logon`, `connection.timeout.search`, `connection.timeout.erm`, `connection.timeout.default`, `stream.cutoff.size`, `stream.transfer.chunk.size`. For more information, see the Integration Server install guides.

Updates

This release provides updates to the following items.

- Perceptive Content Client
- Perceptive Content Server
- Perceptive Integration Server

Perceptive Content Client

- Resolved an issue where the Defaults menu in Workflow did not display queue names. (DE46038)
- Resolved an issue where the system sent notifications for inactive alarm rules. (DE51284)
- Resolved an issue where Perceptive Content stopped responding if a document's page was missing from the OSM. A "File not found" error now displays and the Viewer remains responsive if the file is missing. (DE51305, TFS15770)
- Resolved an issue where the application would stop responding if attempting a multi-page scan into the batch grid, selecting the key icon in the Batch Link toolbar, and then selecting No to cancel the linking. (DE53483, TFS16203)
- Resolved an issue where an error occurred when a user attempted to export a document with an OLE annotation applied. A system is now in place to ensure all new OLE annotation temp files are available in the correct thread before output. (DE54085, TFS16519)
- Resolved an issue where a Workflow routing or alarm rule constraint category set to Constrain by: Content Property was incorrectly displaying the Constrain by category of Status when the user interface language was set to French. (DE54322, TFS16561)
- Resolved an issue where Management Console would not respond when a user edited more than one route within the same queue editor. (DE55430, TFS23109)
- Resolved an issue that could have caused Perceptive Content Client to stop responding if a document's page was missing from the file system. (DE55642, TFS16641)

- Resolved an issue where the system did not display a visual representation for a signature task when the task was opened from Folder Viewer. Now the system correctly implements the option to open documents in an associated viewer on the page for the task. (DE56791, TFS71707)

Perceptive Content Server

- Resolved an issue where a workflow view displayed the incorrect number of results when items that should have been returned by the view were managed by multiple retention policies. (DE52442, TFS16433)
- Resolved an issue where a user who did not have the Create or Append privilege could add pages to a document. (TFS71568)
- Resolved an issue where the Integration Server call `POST: /v1/document/{id}/page/{pageId}/redact` did not properly enforce privileges that restrict some users from accessing redaction templates. (TFS72090)
- Resolved an issue where the Integration Server call `POST: /v1/document/{id}/page/{pageId}/redact` allowed redaction of documents on hold. (TFS72097)
- Resolved an issue where the Integration Server call `POST: /v1/document/{id}/page/{pageId}/redact` allowed redaction of a record. (TFS72098)
- Resolved an issue where the Integration Server call `POST: /v1/document/{id}/page/{pageId}/redact` allowed protected documents to be redacted. (TFS72101)
- Resolved an issue where the system did not update document metadata for redacted documents. Redacted documents for some file types should be converted to PNG files, however Perceptive Content Client was still displaying documents with original file type metadata which caused a visual distortion of the image. (TFS72104)

Perceptive Integration Server

- Resolved an issue where a system without the redaction service installed did not receive the appropriate error message when the `POST: /v1/document/{id}/page/{pageId}/redact` Integration Server was called. (TFS72043)