

Perceptive Content

Release Notes

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Overview

Perceptive Content 7.1.x contains new features, product and platform enhancements, and updates. New features introduce the new functionality available in your Perceptive Content 7.1 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 every 18 months. An incremental release of Perceptive Content occurs each calendar quarter. Build releases, also known as patch releases, are posted each month. This guide provides an overview of each release for 7.1.x.

Perceptive Content 7.1.5.xxxx Release (July 10, 2023)

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 Client

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

Perceptive Content 7.1.5.10004 Release (November 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.

- WebNow

WebNow

- Updated code signing certificate to extend certificate expiration. (PC-89660)

Perceptive Content 7.1.5.10002 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 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 7.1.5.x (February 10, 2020)

The following updates are for informational purposes only and do not include updates or enhancements to the product.

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 7.1.5.2012 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.

- WebNow

WebNow

- Resolved an issue where the system would save eForm data to the wrong document after a previous eForm was opened. (PC-88673)

Perceptive Content 7.1.5.1999 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 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 Recognition Agent

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

Perceptive Content 7.1.5.1986 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 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)

Perceptive Content 7.1.5.1975 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)

Perceptive Content 7.1.5.1970 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 7.1.5.1955 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)

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 7.1.5.1951 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 7.1.5.1942 Release (October 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 Content Server

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

Perceptive Content 7.1.5.1933 Release (September 10, 2018)

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

- Perceptive Content 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 Content 7.1.5.1923 Release (July 10, 2018)

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

- Perceptive Content Server 7.1.5.1923
- Integration Server 7.1.5.1923

If upgrading from a previous version of Perceptive Content, see the 7.1.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 prevented an ImageNow user, granted with the appropriate privileges, from moving pages between documents. (TFS77364)
- 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. (US40772)

Perceptive Content 7.1.5.1912 Release (June 10, 2018)

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

- Perceptive Content Server 7.1.5.1912

If upgrading from a previous version of Perceptive Content, see the 7.1.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)
- 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 file type validation 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 7.1.5.1899 Release (May 10, 2018)

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

- Perceptive Content Client 7.1.5.1899
- Perceptive Content Server 7.1.5.1899
- WebNow 7.1.5.1899

If upgrading from a previous version of Perceptive Content, see the 7.1.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 an issue where iScript would not correctly represent large integral numbers when converting to and from JSON. (TFS76371)
- Resolved a compatibility issue with JSON utility libraries. (US40339)

Perceptive Content 7.1.5.1892 Release (April 10, 2018)

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

- Perceptive Content Client 7.1.5.1892
- Perceptive Content Server 7.1.5.1892

If upgrading from a previous version of Perceptive Content, see the 7.1.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. (TFS76410)

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. (TFS76669)

Perceptive Content 7.1.5.1875 Release (March 10, 2018)

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

- Perceptive Content Server 7.1.5.1875
- Perceptive Integration Server 7.1.5. 1875

If upgrading from a previous version of Perceptive Content, see the 7.1.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. (TFS76451)
- 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. (TFS76327)

Perceptive Integration Server

- 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)

Perceptive Content 7.1.5.1843 Release (February 10, 2018)

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

- Perceptive Content Server 7.1.5.1843
- Perceptive Integration Server 7.1.5.1845

If upgrading from a previous version of Perceptive Content, see the 7.1.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. (TFS16596)

Perceptive Integration Server

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

Perceptive Content 7.1.5.1834 Release (January 10, 2018)

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

- Perceptive Content

If upgrading from a previous version of Perceptive Content, see the 7.1.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

- Resolved an issue where previews of document page properties would not appear when hovering over thumbnails. (DE14667/TFS15309)
- 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 7.1.5.1814 Release (December 10, 2017)

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

- Perceptive Integration Server 7.1.5.1814
- WebNow 7.1.5.1.1814

If upgrading from a previous version of Perceptive Content, see the 7.1.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 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 7.1.5.1789 Release (November 10, 2017)

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

- Perceptive Content Server 7.1.5.1789
- Perceptive Integration Server 7.1.5.1789
- Retention Policy Manager 7.1.5.1789
- WebNow 7.1.5.1789

If upgrading from a previous version of Perceptive Content, see the 7.1.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 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 7.1.5.1757 & 1762 Release (October 10, 2017)

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

- Perceptive Content Client 7.1.5.1757
- Perceptive Content Server 7.1.5.1757
- Perceptive Integration Server 7.1.5.1757
- WebNow 7.1.5.1762

If upgrading from a previous version of Perceptive Content, see the 7.1.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 Defaults menu in Workflow Viewer did not display queue names. (DE21450)

Perceptive Content Server

- Resolved an issue where the Defaults menu in Workflow Viewer did not display queue names. (DE21450)
- 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 7.1.5.1740 Release (September, 2017)

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

7.1.5.1740

- Perceptive Content Client
- Perceptive Content Server

If upgrading from a previous version of Perceptive Content, see the 7.1.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 update and enhancement are included in this patch.

Update

Perceptive Content Client, Perceptive Content Server

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

Perceptive Content 7.1.5.1716 Release (July, 2017)

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

7.1.5.1716

- Perceptive Content Server
- Perceptive Integration Server

If upgrading from a previous version of Perceptive Content, see the 7.1.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 update and enhancement are included in this patch.

Update

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)

Platform enhancement

Integrationserver.ini configuration file

- Four new integration server settings have been added to the integrationserver.ini file that allow the administrator to define server connection timeouts. These settings are `connection.timeout.logon`, `connection.timeout.search`, `connection.timeout.erm`, and `connection.timeout.default`. For more information see the Integration Server install guides. (DE24540)

Perceptive Content 7.1.5.1697 Release (June, 2017)

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

7.1.5.1697

- Perceptive Content Server

If upgrading from a previous version of Perceptive Content, see the 7.1.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.

Update

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)

Perceptive Content 7.1.5.1664 Release (May, 2017)

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

7.1.5.1664

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

If upgrading from a previous version of Perceptive Content, see the 7.1.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.

Updates

Perceptive Content Client

Resolved an issue where the system unexpectedly closed when a user un-docked 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)

Perceptive Content Server

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

Perceptive Content Recognition Agent

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

Perceptive Content 7.1.5.1647 Release (April, 2017)

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

7.1.5.1647

- Perceptive Content Client
- Perceptive Content Server
- WebNow
- Interact for Xerox

If upgrading from a previous version of Perceptive Content, see the 7.1.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.

Updates

Perceptive Content Client

Resolved an issue where document keys defined in a batch mode capture profile may not be correctly assigned to a batch page during import. The issue may have occurred during the linking phase of the affected batch pages, resulting in partially linked batches. (DE57362, TFS72254)

Perceptive Content Server

Resolved an issue where the Message Queue Agent and client configuration share the same port setting. A new setting, mq.client.port, was added to differentiate between client and server side MQ ports. (TFS71966)

WebNow

Resolved an issue in WebNow where form data from a previously routed workflow item was incorrectly appearing in another workflow item when routed forward. (DE52482)

Perceptive Content 7.1.5.1634, 7.1.5.1640, & 7.1.5.1641 Release (March, 2017)

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

7.1.5.1634

- Perceptive Business Insight
- Perceptive Content Client
- Perceptive Content Server
- Perceptive Output Agent

7.1.5.1640

- Perceptive Integration Server

7.1.5.1641

- WebNow

If upgrading from a previous version of Perceptive Content, see the 7.1.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

- This release adds a 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.

Updates

Perceptive Business Insight

- Resolved an issue where the Business Insight installation set mail.localhost.com as the default value for the SMTP server. (DE56402, TFS71971)

Perceptive Content Client

- Resolved an issue where the system did not display a visual representation for a signature task when the task was opened from the Folder viewer. Now the system correctly implements the option to open documents in an associated viewer on the page for the task. (DE56791, TFS71707)
- Resolved an issue where ImageNow or Perceptive Content Client could stop responding when the server was unreachable for an extended period. (TFS4656)

Perceptive Content Server

- Resolved an issue where Audit Templates were not producing appropriate audit output event reports. (DE56194, TFS24155)
- Resolved an issue which sometimes caused Perceptive Content Server to stop responding when loading an invalid distributed capture profile. (TFS15660, TFS71694)
- Resolved an issue where a user who did not have the Create or Append privilege could add pages to a document. (TFS71568)

Perceptive Integration Server

- Resolved an issue that sometimes prevented a user from viewing or editing form data on a document, even if the user had sufficient privileges to the document in Workflow. (TFS71621, TFS72147)

Perceptive Output Agent

- Resolved an issue where TIF images exported from Output Agent had poorer quality than the original TIF image. (DE56454, TFS71472)

WebNow

- Resolved an issue in WebNow where form data from a previously routed workflow item was incorrectly appearing in another workflow item when routed forward. (DE52482)

Perceptive Content 7.1.5.1613 Release (February 10, 2017)

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

- Perceptive Content Client
- Perceptive Content Server
- Perceptive Fax Agent
- Perceptive File Processing Agent

- Perceptive Forms Server
- Perceptive Full Text Search Agent
- Perceptive Integration Server
- Perceptive Message Agent
- Perceptive Output Agent
- Perceptive Recognition Agent
- Perceptive User Replication Agent

If upgrading from a previous version of Perceptive Content, see the 7.1.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 agents and Perceptive Forms Server

- Resolved an issue that sometimes caused performance issues during a database query where the query had over one thousand parameters. The logging was optimized to increase performance. (TFS71525)

Perceptive Content Client and all patched agents

- Resolved an issue which limited the QueueStatusSummary parameter in the imagenow.ini to 1005 characters. The ini configuration line length limitations have been removed. (DE55991, TFS15710, TFS23819)
- Resolved an issue where generation of a thumbnail image for PDF files could not be disabled. The inserver.ini setting `disable.pdf.thumbnail.generation` is now implemented with the default value of TRUE to support disabling the creation of thumbnails for PDF files.

Important You must now explicitly update the `disable.pdf.thumbnail.generation` property in the General section of the inserver.ini file if you wish to utilize the PDF thumbnail generation feature in Perceptive Content. (TFS71522)

Perceptive Content Server

- Perceptive Content Server was released to maintain consistency with other patched products.

Perceptive Integration Server

- Through an update to Integration Server, resolved an issue where accessing the Forms Server in an environment where SSO was implemented, and both Forms Server and Experience were accessed, caused a CSRF token error. (DE56667, TFS71600)

Perceptive Content 7.1.5.1602 Release (January 10, 2017)

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

- Perceptive Connector for SAP ArchiveLink
- Perceptive Content Client
- Perceptive Content Server
- Perceptive Fax Agent
- Perceptive File Processing Agent
- Perceptive Forms Server
- Perceptive Full Text Search Agent
- Perceptive Integration Server
- Perceptive Message Agent
- Perceptive Output Agent
- Perceptive Recognition Agent
- Perceptive User Replication Agent

If upgrading from a previous version of Perceptive Content, see the 7.1.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 enhancement and updates are included in this patch.

Enhancement

Perceptive Content Server

- Perceptive Content Server now supports RabbitMQ version 3.6.5. (US105435)

Updates

All patched agents

- To resolve potential performance issues, all RTTS datastream timers have been removed. (TFS24150)

Perceptive Content Client

- 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)

Perceptive Content Server

- Resolved an issue where document searches utilizing a time created parameter were returning results outside of the search constraints. (DE50063, TFS15654)
- Resolved an issue where, when using Internet Explorer, attachments saved to a form document would include the full local path information in the WORKING_NAME value. (DE56033, TFS24083)
- Resolved an issue that caused iScript in Windows to stop responding when the server was configured to request an optional client certificate. (DE56103, TFS24056)

Perceptive Forms Server

- Resolved an issue where, when using Internet Explorer, a form was not entirely displayed when printed. (DE55522, TFS23243)

Perceptive Full Text Search Agent and Perceptive Content Server

- Resolved an issue that could have caused the connection between inserver and inserverFT to become unresponsive until inserver was restarted. This fix improves the ability to recover the connection between inserver and inserverFT. (DE55816, DE56220, TFS23405)

Perceptive Integration Server

- Resolved an issue where the system could not load the IBSP session using the session hash. (TFS24276)
- Resolved an issue where generation of a thumbnail image for PDF files could not be disabled. The inserver.ini setting `disable.pdf.thumbnail.generation` is now implemented to support disabling the creation of thumbnails for PDF files. (TFS24223)

Perceptive Content 7.1.5.1585 Release (December 9, 2016)

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

- Perceptive Connector for SAP ArchiveLink
- Perceptive Content Client
- Perceptive Content Server
- Perceptive Fax Agent
- Perceptive File Processing Agent
- Perceptive Full Text Search Agent
- Perceptive Integration Server
- Perceptive Message Agent
- Perceptive Output Agent
- Perceptive Recognition Agent
- Perceptive User Replication Agent
- WebNow

If upgrading from a previous version of Perceptive Content, see the 7.1.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

Important The following updates were made to all patched products in this release. You must upgrade all installers included in this patch to receive the updates.

All patched products

- Resolved an issue that sometimes caused RabbitMQ resource consumption issues when subscribing to a large number of Workflow queue alarms. (TFS23887)

Perceptive Content Client

- Resolved an issue where the Perceptive Content Viewer did not display documents with multiple pages correctly when the system viewer default size was set to Fit Window. (DE48028, TFS15315)
- Resolved an issue where ImageNow Printer was unable to import new images to Perceptive Content Client. (DE52957, TFS16046)
- Resolved an issue where Perceptive Content Client did not successfully store and use the View > Page Layout setting from the imagenow.ini file. Now the system correctly displays documents with the correct layout in the Perceptive Content Viewer. (TFS7009)
- Resolved an issue where the String custom property was not translated to Spanish correctly. (TFS23697)

Perceptive Content Server

- Resolved an issue where when making an iScript service call in Envoy, a full Envoy object could not be built. (DE55130, TFS23735)
- Resolved an issue where making a server call to save large eForm data files caused Perceptive Content Server to become unresponsive. (DE55316, TFS16985)

Perceptive Content Server, Perceptive Fax Agent, and Perceptive Output Agent

- Resolved an ImageGear heap corruption issue when generating thumbnails from multiple threads. (TFS23888)

Perceptive Integration Server

- Resolved an issue where the date custom property in the Perceptive Experience document viewer was a day behind the date displayed in the Perceptive Experience views grid. (DE55557, TFS23257)

- Resolved an issue where, after a period of inactivity, when a user selected an Experience URL the system failed to load properly. Now the system deletes session cookie information so that reconnecting is successful and images are rendered correctly. (DE56051, TFS23950)
- Resolved an issue where Integration Server generated a new CSRF cookie when the session in Experience had not changed. (TFS23818)

Perceptive Message Agent

- Resolved an issue in Message Agent where a Document_Store call was creating empty page files for a document. (DE55949, TFS23891)

WebNow

- Prior to this release, some localized files may have been missing from the 7.1.5.x WebNow installers. The WebNow installer for this release includes all localized files.

Perceptive Content 7.1.5.1572 & 7.1.5.1573 Releases (November 10, 2016)

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

7.1.5.1572

- Lexmark Secure Content Monitor Server
- Perceptive Business Insight - Setup
- Perceptive Connector for SAP ArchiveLink
- Perceptive Content Client
- Perceptive Content Server
- Perceptive Fax Agent
- Perceptive File Processing Agent
- Perceptive Full Text Search Agent
- Perceptive Interact for Microsoft Office
- Perceptive Message Agent
- Perceptive Output Agent
- Perceptive Recognition Agent
- Perceptive User Replication Agent

7.1.5.1573

- Perceptive Integration Server

If upgrading from a previous version of Perceptive Content, see the *7.1.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 enhancement and updates are included in this patch.

Enhancement

Perceptive Content Client

- A new configuration file was added for Management Console. The new `inmc.ini` file has one setting, which is `socket.default.timeout`. This setting specifies the maximum number of seconds Management Console waits on a server request. The default is 60 seconds. (US103973)

Updates

All patched products for 7.1.5.1572

- Resolved an issue where an “Unable to view file type: <Document name>” error was displayed when attempting to open a MSG file type. (DE55510, TFS23247)

Perceptive Content Client

- Resolved an issue where, when a search was created that included Custom Property, Field, Operator, and a Value selected from the “More..” drop-down list, the resulting query did not display the value from the “More..” drop-down list. (DE52115, TFS15933)

Perceptive Integration Server

- Resolved an issue where IBSP was caching results for the user that logged in first and then returning those results for all users. This caused the system to return incorrect processes and queues for the current user. Now the system returns the correct Workflow processes and queues for the current user. (TFS23493)

Perceptive Content 7.1.5.1562 Release (October 10, 2016)

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

- Perceptive Content Client
- Perceptive Content Server
- Perceptive Forms Server
- Perceptive Full Text Search Agent
- Perceptive Integration Server

If upgrading from a previous version of Perceptive Content, see the 7.1.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 newly created or modified keyboard shortcuts assigned to a user were not saved. Resolved an additional issue where changes to the location of toolbars, properties, or the Add/Remove buttons would not save in the batch viewer. (DE46924, TFS15083)
- Resolved an issue where Perceptive Content Client sometimes closed when using Adobe Reader DC in conjunction with Content Capture. (DE54762, TFS16899)

Perceptive Content Server

- Resolved an issue in Import Agent where, in the event the application stopped responding, the original index file was corrupted and no longer provided information on files that were not yet processed into Perceptive Content. (DE53791, TFS16434)
- Resolved an issue where inserver, inserverMQ, inserverFT, and inserverOSM stopped responding when attempting to perform operations while the database connection was not available. The agents will now wait for the database connection to reinitialize. (DE54369, TFS16545)
- Improved performance when closing Perceptive Content Client. Now the window position is cached until exiting the application. (DE55192, TFS16893)

Perceptive Forms Server

- Resolved an issue in Perceptive Experience and Forms Server where the clients did not always display correct form values when calling server-side scripts. (DE54610, TFS16633)

Perceptive Full Text Search Agent

- Resolved an issue where inserver, inserverMQ, inserverFT, and inserverOSM stopped responding when attempting to perform operations while the database connection was not available. The agents will now wait for the database connection to reinitialize. (DE54369, TFS16545)

Perceptive Integration Server

- Resolved an issue in Perceptive Experience and Forms Server where the clients did not always display correct form values when calling server-side scripts. (DE54610, TFS16633)
- Integration Server connection logic for Experience sessions was changed to support Forms App functionality. (US10259, TFS16987)

Perceptive Content 7.1.5.1548 Release (September 9, 2016)

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

- Perceptive Content Client
- Perceptive Content Server

- Perceptive Full Text Search Agent
- Perceptive Integration Server
- WebNow

If upgrading from a previous version of Perceptive Content, see the 7.1.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 Convert Form Queue icon did not appear on a queue in Workflow Designer. The icons are now provided in the proper resolution for display. (DE54566, TFS16629)

Perceptive Content Server

- Perceptive Content Server was released to maintain consistency with other patched products.

Perceptive Full Text Search Agent

- Resolved an issue where iScript RecModuleName, which is used to specify advanced barcode recognition, was not being passed to Recognition Agent. (DE54676, TFS16701)

Perceptive Integration Server

- Resolved an issue where the system displayed an invalid session error if the user opened more than one Perceptive Experience tab. Updates to the system were implemented to detect existing sessions. (DE54885, TFS16846)

WebNow

- Resolved an issue where logging in via Firefox or Safari may have resulted in a session timeout error. (DE54670, TFS16643)

Perceptive Content 7.1.5.1539 Release (August 10, 2016)

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

- iConvert for Perceptive Content
- Perceptive Connector for SAP ArchiveLink
- Perceptive Content Client
- Perceptive Content Server
- Perceptive Fax Agent

- Perceptive File Processing Agent
- Perceptive Full Text Search Agent
- Perceptive Message Agent
- Perceptive Output Agent
- Perceptive Recognition Agent
- Perceptive User Replication Agent
- Perceptive Integration Server

If upgrading from a previous version of Perceptive Content, see the 7.1.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 enhancement and updates are included in this patch.

Enhancement

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

- Enhanced the MSVC 2015 redistributable by upgrading to Visual Studio 2015 Update 2. The redistributable is packaged with the installers for Perceptive Content Client, Perceptive Content Server, iConvert, File Processing Agent, Output Agent, Recognition Agent, Fax Agent, and User Replication Agent. (US99210)

Perceptive Content language support

Perceptive Content online help supports the following languages.

- Chinese
- Dutch
- English
- French
- German
- Japanese
- Korean
- Portuguese (Brazil)
- Spanish

Perceptive Content user interface text and help files in the supported languages are provided for the following products.

- Perceptive Content Client
- Perceptive Content Server
- WebNow Client

Best practices for the configuration of Perceptive Content in the supported languages are present in the *Perceptive Content Language Pack Getting Started Guide*, which is available in all of the languages supported by the Language Pack

Updates

Perceptive Connector for SAP ArchiveLink, Perceptive Content Client, Perceptive Content Server, and all patched agents

- Resolved an issue that sometimes prevented Perceptive Content agents and Perceptive Content Client from establishing a secure connection to the message queuing service. (TFS16501)

Perceptive Content Client

- Resolved an issue where the printed version of a document did not display an applied annotation in the correct location. The incorrect placement of printed annotations occurred when documents were saved as the Grayscale TIFF file format. (DE53392, TFS16196)
- Resolved an issue that sometimes prevented a retention policy name from being modified. (TFS16564)

Perceptive Content Server

- Resolved an issue where Alarm Agent utilized excessive CPU resources. (DE54460, TFS16579)
- Resolved an issue where client environments utilizing a large number of drawers were experiencing slow query and view execution in External Message Agent. (DE54489, TFS16595)
- Resolved an issue that may have caused a degradation in performance if multiple clients simultaneously retrieved a large number of views. (DE54605, TFS16675)
- Resolved an issue where the Amazon S3 OSM external plugin was not URI encoding reserved characters, resulting in failure to attach affected OSM reference objects to documents. (TFS16508)
- Resolved an issue where the Amazon S3 OSM external plugin could not attach OSM reference objects to documents if the reference object ID contained URI query parameters. (TFS16509)
- Resolved an issue where an existing object would be overwritten if the Amazon S3 OSM external plugin randomly generated the same name for a new object. (TFS16511)

Perceptive Content Server, Perceptive Fax Agent, Perceptive File Processing Agent, Perceptive Message Agent, Perceptive Output Agent, and Perceptive Recognition Agent

- Resolved an issue that caused OSM object names containing Unicode data to not encode correctly. (TFS16510)

Perceptive Integration Server

- Resolved an issue where Integration Server did not delete the cookie for the session when a user logged out of Perceptive Experience. (TFS16585)

Perceptive Content 7.1.5.1516 Release (July 11, 2016)

The following enhancements and updates are included in the initial releases of Perceptive Content 7.1.5.

Product enhancements

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

- Licensing
- Object Store Manager
- Perceptive Business Insight
- Perceptive Content Server
- Workflow Agent
- Workflow Designer

Licensing

The Perceptive Named User license can now be distributed using License Groups. When a Perceptive Named User license is present, it becomes available in the License Groups management dashboard.

Message Queuing Agent

This release removes Message Queuing Agent. This includes inserverMQ.exe on Windows and inserverMQ on Linux. The inserverMQ.ini file, the IN_MESSAGE, IN_MESSAGE_QUEUE and IN_MESSAGE_QUEUE_MASTER database tables are also removed with the 7.1.5 release.

Note that Perceptive Content Server now depends on RabbitMQ, an open source message broker software. RabbitMQ depends on Erlang, a programming language. You must install Erlang and RabbitMQ before installing Perceptive Content Server versions 7.1.4 and higher. For upgrade information, see the *7.1.x Perceptive Content Update Guide*.

Important Prior to installing RabbitMQ and Erlang, review the Perceptive Content Server > Message Queuing specifications in the 7.1.x and higher *Perceptive Content Technical Specifications* for the supported versions of both products.

Object Store Manager

A new OSM external plugin for Amazon Simple Storage Service (S3) was added for this release. The plugin allows Perceptive Content to use Amazon S3 as a storage backend. For more information, see the *7.1.x Perceptive External OSM Plugin Best Practices Guide*.

A new `inUpgradeUtil upgrade-cas-to-ext` `inUpgradeUtil` command was added with this release. The new command converts OSM CAS sets to OSM EXT Centera plugin sets. See the 7.1.x *EMC Centera Advanced Design Guide* for optional steps to configure Perceptive Content Server to connect to Centera storage using a built-in legacy connector. Due to limitations with the implementation, the legacy connector will be removed in an upcoming release. When this occurs, all existing Centera OSM sets configured to use the legacy connector must be migrated to use the new Centera plugin connector.

Note Currently, no installers run the new command automatically.

Perceptive Business Insight

Perceptive Content now supports IBM Cognos 10.2.2. You also now maintain most Business Insight privileges directly through IBM Cognos. For more information on privileges still managed through Management Console, see the “Report privilege combinations” topic of Manage Content help. For Cognos 10.2.2 upgrade instructions, see the 7.1.x *Business Insight Installation and Setup Guide*.

Important Perceptive Content 7.1.5 does not support IBM Cognos 10.2.1.

Perceptive Content Server

You can now view the first page of saved PDF documents as thumbnail images.

inow.ini configuration file

A new setting was added to the `inow.ini` configuration file. The new `num.crossnode.cache.recovery.attempts` setting specifies the number of times to requeue a cross-node cache work item after failing to publish. For more information, see the “`inow.ini` [General] settings” topic of Manage Content help.

Message Queuing

Perceptive Content now also utilizes RabbitMQ for asynchronous jobs, queue alarms, and client messaging.

Seven new client settings were added to the Message Queuing group in the `inow.ini` configuration file. For more information on the new settings, see the “`inow.ini` [Message Queuing] settings” topic of Manage Content help.

Two new `inUpgradeUtil` commands were added to Perceptive Content, version 7.1.5.x: `inUpgradeUtil process-jobs-invalid-state` and `inUpgradeUtil republish-jobs`. The `inUpgradeUtil process-jobs-invalid-state` command scans the job tables and identifies jobs held in an invalid state. The jobs are marked as completed with an error status. The `inUpgradeUtil republish-jobs` command scans the job tables and identified jobs that have not started. These jobs are published using the new message queuing system and then processed by the appropriate agent.

Note Windows and Linux install scripts run these commands as part of the upgrade process.

Workflow Agent

You can define the `connect.uri` setting in the Workflow Agent configuration file (`inserverWorkflow.ini`) that enables the use of Connect ASQs by defining the REST endpoint invoked for each item in the queue. You can also define the `connect.timeout` setting to specify the duration, in seconds, the system waits

before a call to the Perceptive Connect Runtime times out and the workflow item is routed to the failure queue.

Workflow Designer

Workflow Designer now provides a Connect automation system queue that sends web service notifications to a user's business application.

Platform enhancements

Perceptive Content 7.1.5 provides the following enhancements to development tools.

iScript

The following is an addition to an existing iScript object. For more information on this object, see the corresponding topic in iScript help.

- **INUser.** Added the `delegate.user.name` and `delegate.user.id` parameters to the array of Out of Office instances method for the INUser iScript object. The new parameters support returning out of office delegate information from the INOW database.

Perceptive Integration Server

Web service APIs

The following table contains new web service APIs for Integration Server.

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

Operation	Description
PUT: /v1/document/{id}/page/{pageId}/annotation/DIGITAL_SIGNATURE/{annotationId}	Use this call to update a digital signature visual representation on a page.
POST: /v1/document/{id}/notification	Use this call to allow for a document to be sent to another user in the platform.
GET: /v4/document/{id}	Use this call to get the document information from the server that matches the ID.
DELETE: /v1/record/{id}/page/{pageId}	Use this call to delete a page from a record.
GET: /v1/record/{id}/page/{pageId}/file	Use this call to get the file associated with a pages of a record stored in Perceptive Content Server.
GET: /v1/record/{id}/page/{pageId}/preview	Use this call to get the preview file associated with a page of a record.

Operation	Description
GET: /v1/record/{id}/page/{pageId}/rendition	Use this call to retrieve a PNG rendition of the page specified by pageId from the record specified by ID. Note You must install the File Conversion Service prior to using this Integration Server call. For installation instructions, see the File Conversion Service help.
GET: /v1/record/{id}/page/{pageId}/thumbnail	Use this call to get the thumbnail file associated with a page stored in the server.
GET: /v2/record/{id}	Use this call to get record properties with page information.
GET: /v1/taskTemplate	Use this call to retrieve all task templates necessary for new task creation. The system retrieves task templates based on the task type created.
GET: /v1/taskTemplate/{id}	Use this call to request detailed information about the task template that matched the given ID.
POST: /v1/task	Use this call to create a new task on the specified document or folder. The creation of task series and hierarchies is not supported.
GET: /v1/uniqueId	Use this call to return a set of server generated unique IDs.
GET: /v1/workflowItem/{id}/backRoute	Use this call to retrieve the back workflow queue route for the workflow item.
GET: /v1/workflowItem/{id}/upstreamRoute	Use this call to retrieve the upstream workflow queue routes for the workflow item.
GET: /v1/workflowQueue/{id}/allRoute	Use this call to return all available workflow queue routes stored on the server. For users with route anywhere privileges, all routes are returned. For all users, all route from anywhere queues are returned.
POST: /v2/workflowItem/{id}/routingAction	Use this call to create a routing action for a workflow queue item.

Updates

This release provides updates to the following items.

- iScript
- Perceptive Content Client
- Perceptive Content Server
- Perceptive Fax Agent
- WebNow

iScript

- Resolved an issue that caused the equal sign (=) to be decoded incorrectly when using the iScript INMail object. (DE50113, TFS15632)

Perceptive Content Client

- Resolved an issue where the selection of Automatic Color for Text, Stamp or URL annotations resulted in an error. When a user selected the Automatic Color option when modifying an annotation instance or creating an annotation template, the system applied black to the color property being modified. (DE28012, TFS7581)
- Resolved an issue where performing a content search in a filtered document view returned documents which met the content criteria but not the view filter criteria. (DE28331, TFS10742)
- Resolved an issue that caused rendering errors and an unresponsive system when users edited the text of a stamp annotation. (DE39014, TFS12988)
- Resolved an issue in Content Capture where some of the Application Plan drop-downs were not displaying the list of available plans in alphabetical order. (DE41873, TFS13553)
- Workflow: Resolved an issue where the list of queues presented as options for Route anywhere was not in correct ASCII order. (DE47622, TFS15230)
- Resolved an issue where existing document notes were overwritten when a user opened a document in the Viewer. (DE48075, TFS15323 & TFS15485)
- Resolved an issue where an attempt to print from the Document Viewer, when working.name and file.type were not set, resulted in a Malformed Path error. (DE49932, TFS15617)
- Resolved an issue with Import Agent where the DOD_XML import method was unable to refile documents that had been successfully exported via Offline Transfer through RPM. (DE51223, TFS13202)
- Resolved an issue with distributed capture profiles (Group mode) when a user was a member of multiple profiles, where files were being downloaded to the user's workstation based on the first profile listed alphabetically instead of the first profile listed in the scan.ini file. (DE51389, TFS15816)
- Resolved an issue that prevented the system from populating document custom properties after calling the INSetViewerKeys API call using a VisualBasic script. (DE52114, TFS15934)
- Resolved an issue where users could not save the image rotation for files with a *.TIFF extension to the server. (DE52586, TFS16012)
- Message Center: Resolved an issue where Message Center processed the queue statistics for all available workflow queues, which negatively impacted server performance. The Message Center now processes the queue statistics only for the queues a user can view. (DE53864, TFS16437)

Perceptive Content Server

- Resolved an issue where images no longer rotated to best fit when printed from Perceptive Content Viewer or Output Agent. Through this fix, a new `printer.rotate.to.best.fit` setting was added to the Printer group for both ImageNow.ini and inserverOutput.ini that supports automatic rotation of a page, when the page orientation does not match the page setup defined for printing. (DE35193, TFS11889)
- Resolved an issue that caused the OSM Agent to stop processing when removing deleted physical objects for one OSM. (DE45044, TFS15160)

Perceptive Fax Agent

- Resolved an issue where Perceptive Fax Agent did not properly load a component required to fax PDF files from Perceptive Content Client. (DE52319, TFS15932)

Perceptive Integration Server

- Resolved an issue in Perceptive Experience where performing a GET v1 document call on a document with a date custom property, returned an incorrect time on the date value when there was a time difference between the server and the client. (DE52138, TFS15938)

WebNow

- Resolved an issue where document thumbnails were not displayed if the first document a user viewed was a submitted form.(DE52276, TFS15953)

Perceptive Content 7.1.4.1285 Release (June 10, 2016)

The following component is included in this month's patch.

- Perceptive Content Server

If upgrading from a previous version of Perceptive Content, see the 7.1.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 update is included in this patch.

Update

Perceptive Content Server

- Resolved an issue where the inclusion of certain non-ASCII characters in the creation of migration packages could have caused inserver.exe to become unresponsive. (DE52847, TFS16037)

Perceptive Content 7.1.4.1281 Release (May 10, 2016)

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

- Perceptive Content Client
- Perceptive Content Server
- Perceptive Full Text Search Agent

If upgrading from a previous version of Perceptive Content, see the 7.1.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 did not respond if the Tasks pane was moved outside of the Perceptive Content Viewer window and the Client window was closed. (DE50612, TFS15656)
- Management Console: Resolved an issue that caused Korean and French text to truncate for some fields in the Publish – Attachment Size and Number page of the forms publishing wizard. (TFS15922)

Perceptive Content Server

- Resolved an issue where legacy clients could timeout when attempting to connect to Perceptive Content Server. (DE45846, TFS14820)
- Resolved an issue where inserver would sometimes stop responding when two iScripts were executed simultaneously. (DE51533, TFS15973)
- Resolved an issue where unnecessary client messages were sometimes generated from inserverMQ. This fix reduces the volume of messages sent from inserverMQ when using super queues in workflow, combined with email alarms. (DE51721, TFS15940)
- Resolved an issue where the system presented a recycle queue as a Route up queue destination for items that had been deleted and restored. Now the recycle queue is no longer presented as an option. Resolved a similar issue where the selection of Route back resulted in the system incorrectly routing restored items back into the recycle queue instead of the prior queue. The system now routes the item back to the correct queue. (DE52064, TFS15929)

Perceptive Content Server and Perceptive Full Text Search Agent

- Updated Perceptive Content Server and Full Text Search Agent to reduce the possibility of a network connection error when using Full Text Search Agent to search documents. (DE50759)

Perceptive Content 7.1.4.1269 Release (April 11, 2016)

The following enhancements and updates are included in the initial releases of Perceptive Content 7.1.4.

Product enhancements

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

- Perceptive Content Server
- Retention Agent

Perceptive Content Server

RabbitMQ

Perceptive Content Server now depends on RabbitMQ, an open source message broker software. RabbitMQ depends on Erlang, a programming language. You must install Erlang and RabbitMQ before

installing Perceptive Content Server versions 7.1.4 and higher. For more information and to download and install, see the products' websites. For supported versions of RabbitMQ and Erlang, see the 7.1.4.x *Perceptive Content Technical Specifications*.

Message Queuing

Eight new settings were added to the Message Queuing group in the inow.ini configuration file. For more information on the new settings, see the "inow.ini [Message Queuing] settings" topic of Manage Content help.

Retention Agent

Retention Agent was enhanced to now automatically add newly created documents to any applicable retention policy. Previously, Retention Agent frequently searched for new documents, which was time consuming.

Platform enhancements

Perceptive Content 7.1.4 provides the following enhancements to development tools.

iScript

You can now use iScript Http calls to communicate with any HTTP or REST service. The following table provides descriptions for these new Http calls and an update to the INDocument object in iScript.

Note For more information on these objects, see the corresponding topics in iScript help.

Object	Description
HttpClient	Use the <code>HttpClient</code> object to send requests. The <code>HttpClient</code> contains a set of persistent headers sent as request headers with every request.
HttpRequest	The <code>HttpRequest</code> object encapsulates an HTTP request, including method, path, body, and headers.
HttpResponse	The <code>HttpResponse</code> object encapsulates a HTTP response, including status code, body, and headers.
INDocument	Added the <code>JobPriority</code> parameter to the <code>submitToRecServer</code> method. Use <code>JobPriority</code> to specify the priority of the job using the following predefined constants: <code>NOT_PRIORITIZED</code> , <code>LOW</code> , <code>MEDIUM</code> , and <code>HIGH</code> .

Perceptive Integration Server

Web service APIs

The following table contains new web service APIs for Integration Server.

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

Operation	Description
GET: /v2/document/{id}/page/{pageId}/rendition	Use this call with the File Conversion Service to retrieve a PNG rendition of a document page. The updates for version 2 of this call include renaming the <code>maxWidth</code> parameter to <code>width</code> and the <code>maxHeight</code> parameter name to <code>height</code> . Note You must install the File Conversion Service prior to using the Integration Server call. For installation instructions, see the File Conversion Service help.
GET: /v5/applicationPlan	Use this call to get all application plans if no type parameter is provided, or only those application plans of the type or category type provided.
GET: /v5/applicationPlan/script/{scriptId}	Use this call to get the script for the provided ID.
GET: /v5/applicationPlan/{appPlanId}	Use this call to get an application plan with the given ID.

Note The new version 5 applicationPlan calls allow Integration Server to now return all information from a LearnMode application plan.

Updates

This release provides updates to the following items.

- Form Designer
- Perceptive Connector for SAP ArchiveLink
- Perceptive Content Client
- Perceptive Content Server
- WebNow

Form Designer

- Resolved an issue where a Save As dialog box displayed and users were prompted to rename the file when attempting to save an existing form design within Form Designer. (DE48464, TFS15377)

Perceptive Connector for SAP ArchiveLink

- Previously, connection issues between inserver and SAP ArchiveLink could cause KGS content server to stop responding. Now, KGS continues to function regardless of these issues.

Note The SAP ArchiveLink connector does not support reconnecting. Review your KGS configuration settings to reconnect if a connection is lost. For more information on KGS settings, see the KGS documentation. (DE51028, TFS15700)

Perceptive Content Client

- Resolved an issue that caused the `%username%` environment variable to not be found during an upgrade. (DE49381, TFS15514)

- Resolved an issue that sometimes caused Perceptive Content Client to close when using an application plan view to search for a document using a document type list, and then a document type was changed from within that list. (DE50282, TFS15648)

Perceptive Content Server

- Resolved an issue with XML files that would not open. An XML file with lines containing more than 2048 characters now opens correctly. (DE34670, TFS11722)
- Resolved an issue that could have caused Management Console to stop responding when importing a WSDL file. (DE47918, TFS15320)
- Resolved an issue where searching with a word containing an apostrophe caused a database error. (DE49290, TFS15484)
- Resolved an issue where the system returned an incorrect workflow view when the total number of items in the queue was greater than the view's maximum result setting and items were sorted by the time in queue column. The system now correctly sorts workflow items in ascending order based on the time in queue column. (DE49392, TFS15513)
- Resolved an issue where certain searches using the "contains" operator caused an error. (DE50229, TFS15640)

WebNow

- Resolved an issue where WebNow did not enforce restrictions on the Email ImageNow Link and Email WebNow Link privileges at the drawer and document level as defined in Perceptive Content. Now WebNow does not allow users without those privileges to access those options in the user interface. (DE2232, TFS4197)

Perceptive Content 7.1.3.954 Release (March 10, 2016)

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

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

If upgrading from a previous version of Perceptive Content, see the 7.1.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 email output profiles were not passing email addresses to the mail client. (DE47179, TFS15120)

Perceptive Content Server

- Resolved an issue where document keys containing "^" characters could not be correctly recovered from audit logs. (DE49833, TFS15609)

Perceptive Forms Server and Perceptive Integration Server

- Resolved an issue where an error message was sometimes returned when CORS was enabled on the server and when using database calls in an existing form. (DE49873, TFS15581)

Perceptive Content 7.1.3.945 Release (February 10, 2016)

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

- Perceptive Content Server
- Perceptive Integration Server

If upgrading from a previous version of Perceptive Content, see the 7.1.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 searching with a word containing an apostrophe sometimes caused a database error. (DE49290, TFS15484)
- Resolved an issue where the upgrade-policy-queues command did not execute when run via the Perceptive Content 7.1.3 installer. (US90310, TFS15641)

Perceptive Integration Server

- Resolved an issue where the HEAD /v1/web/connection Integration Server call returned a NullPointerException error. (TFS15652)

Perceptive Content 7.1.3.937 & 7.1.3.938 Releases (January 11, 2016)

Important The Perceptive Content 7.1.3.937 release includes all installers, except Perceptive Content Server. The Perceptive Content Server releases with 7.1.3.938.

The following enhancements and updates are included in the initial releases of Perceptive Content 7.1.3.x.

Product enhancements

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

- iConvert for Perceptive Content
- ImageNow Printer
- Object Store Manager
- Perceptive Business Insight
- Perceptive Content Client
- Perceptive Content Server
- Perceptive Fax Agent
- Perceptive Forms Server
- WebNow
- Workflow Agent
- Workflow Designer

iConvert for Perceptive Content

Enhanced iConvert to allow the conversion of MSSQL and Oracle databases to PostgreSQL.

ImageNow Printer

ImageNow Printer now supports Microsoft Windows 10.

Object Store Manager

A new File System OSM external plugin was added. The new plugin is a read-only plugin that allows Perceptive Content Server to retrieve reference objects directly from a local file system. This plugin requires an OSM reference set. For more information, see the 7.1.x *Perceptive Content External OSM Plugin Best Practices Guide*.

Perceptive Business Insight

The system now supports the ability to create reports that only retrieve and display data for drawers for which the user has been granted the Open and Search privileges. Several additional reports have been included in the report library, along with detailed instructions on how to customize existing reports to leverage this new security feature. The following two reports were added: Administrative - Documents Viewed Audit Report - Drawer Security Filtering, Documents - Documents With Annotations - Drawer Security Filtering. For more information, see the “What is Drawer Security Filter” topic in Business Insight help.

Perceptive Content Client and WebNow

Task Views now support custom properties. You can view custom property information associated with tasks in the My Assigned Tasks view. Custom properties are displayed in sortable columns in the view. You may add custom, composite, or physical property constraints to a task view or filter.

Perceptive Content Server

Core Authentication Service

The system now allows users to use the Core Authentication Service component for authentication in other services and Experience components. Perceptive Content does not refer to the Core Authentication Service as a required prerequisite.

FIPS compliant cryptography

The system now includes the Federal Information Processing Standard (FIPS) compliant cryptography components on Windows and Linux platforms for information over LDAP.

PostgreSQL

Perceptive Content now supports installation on systems using the PostgreSQL relational database management system.

Note On initial upgrade to 7.1.3, the Server installer will perform a Major Upgrade to safely install PostgreSQL drivers.

Perceptive Fax Agent

Fax Agent now supports the use of Brooktrout 1034 low profile boards. For more information, see the *7.1.x Perceptive Fax Agent Installation and Setup Guide*.

Perceptive Forms Server

Four new configuration parameters were added to Forms Server: `attachmentsMaximumCount`, `attachmentsMaximumSize`, `attachmentsMinimumCount`, and `attachmentsTypes`. These parameters allow you to configure the number, size, and type of attachments allowed for a form from the `imagenowforms.xml` configuration file. Two new pages were also added to the publishing wizard: Attachment File Types and Attachment Size and Number. These pages allow you to configure the number, size, and type of attachments from the publishing wizard when publishing a form as a document to Forms Server. Note that the enhancements only apply if publishing a form as a document, not when publishing a form as a folder. For more information, see the *7.1.x Perceptive Forms Server Installation and Setup Guide* and the Form Designer help.

Workflow Agent

You can modify a setting in the Workflow Agent configuration file (`inserverWorkflow.ini`) that enables you to specify a preference for the order in which Workflow Agent processes items. Users can define when items in a workflow queue are processed in relation to items in the retention policy queue. In an active/active environment, a processing preference can be set for a specific instance.

Workflow Designer

Workflow Designer now supports the creation of synchronized sub queues for super queues. With the use of synchronized queues, the system automatically creates sub queues when users are added to the designated group. When users are removed from the group, the associated sub queues are deleted, and any items remaining in the sub queue are routed to the specified workflow queue for orphaned workflow items.

Platform enhancements

Perceptive Content 7.1.3 provides the following enhancements to development tools.

Perceptive Integration Server

QueueId query parameter

The queueId query parameter was added to all Integration Sever annotation calls. The queueId parameter verifies the user's process privilege for the workflow queue containing an item. The user's open content privilege for the drawer containing an item can be overridden when an item is in workflow and the user has privileges to the current queue. Therefore, when accessing an item in a workflow queue, a user with privileges to view, create, modify or delete annotations can perform the actions on annotations regardless of their Drawer or Document Type View privileges.

Web service APIs

The following table contains new web service APIs for Integration Server.

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

Operation	Description
POST: /v3/document	Use this call to store a new document in the server.
GET: /v3/document/{id}	Use this call to retrieve document information from the server that matches the ID.
PUT: /v3/document/{id}	Use this call to update the document fields with the provided values.
GET: /v1/document/{id}/conversion/{outputType}	Use this call to convert a document into a single PDF or TIFF. Note To use this call, File Conversion Service is required.
GET: /v1/outOfOffice	Use this call to retrieve all out of office instances for the user.
POST: /v1/outOfOffice	Use this call to create an out of office instance for the user.
GET: /v1/outOfOffice/reason	Use this call to retrieve all out of office reasons.
DELETE: /v1/outOfOffice/{outOfOfficeId}	Use this call to disable an out of office instance for the user, if the instance is current or already passed, otherwise the call deletes the instance.

Operation	Description
GET: /v1/outOfOffice/{outOfOfficeId}	Use this call to retrieve a single out of office instance for the user.
PUT: /v1/outOfOffice/{outOfOfficeId}	Use this call to update an out of office instance for the user.
GET: /v1/management/workflowProcess	Use this call to retrieve all workflow processes that the user can manage.
GET: /v2/workflowQueue/{id}/form	Use this call to get the workflow queue related forms stored in the server.

Updates

This release provides updates to the following products.

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

Perceptive Content Client

- Resolved an issue where the Kofax VRS interface was closed after every scan. Now, the Kofax VRS interface remains open until the client is closed, or a different scan interface is used. (DE46424, TFS14929)
- Resolved an issue when attempting to email from Perceptive Content Client using the SMTP option where an error message may have appeared and the email would not send. (DE47119, TFS15109)

Perceptive Content Server

- Retention Agent: Resolved an issue that could have caused decreased performance when Retention Agent removed items from a policy. (DE48609, TFS15404)

Perceptive Integration Server

- Resolved an issue where commas and quotes were not allowed in the X-IntegrationServer-Resource-Name header for the `POST /v1/document/{id}/page` call. This issue prevented Email Agent from correctly processing emails with attachments that contained commas or quotes. (DE47696, TFS15270)
- Resolved an issue which could have affected performance when sessions were disconnected from Integration Server. (DE48567, TFS15402)
- Resolved an issue where the system returned an incorrect `dynamicVariables` value for dynamic stamp annotations following the execution of the `GETannotationTemplate` call. (TFS15435)

WebNow

- Resolved an issue where a user with the Mail WebNow Link privilege could email documents as an attachment from the Explorer, despite not being granted the Mail as Attachment privilege. (DE29807, TFS11076)

Perceptive Content 7.1.2.739 Release (December 10, 2015)

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

- Perceptive Content Client
- Perceptive Content Server
- Perceptive Fax Agent
- Perceptive File Processing Agent
- Perceptive Full Text Search Agent
- Perceptive Message Agent
- Perceptive Output Agent
- Perceptive Recognition Agent
- Perceptive User Replication Agent

If upgrading from a previous version of Perceptive Content, see the 7.1.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

Fax Agent, File Processing Agent, Full Text Search Agent, Message Agent, Output Agent, Perceptive Content Server, Recognition Agent, User Replication Agent

- Resolved an issue that could have caused decreased performance when restarting several agents in an active-active environment. (DE48270, TFS15430)

Perceptive Content Client

- CaptureNow: Resolved an issue that could have occurred when customizing Image Processing Filter for Kofax scanner profiles. Previously, the configuration window was placed behind already opened ImageNow windows and the user was unable to locate the configuration window or close the ImageNow windows, requiring a forced closure of the ImageNow process. (DE46790, TFS15022)

Perceptive Content Server

- A search for documents and folders that are not in a particular workflow queue now returns all relevant results. Previously, the workflow queue condition caused the search to exclude results that were not in workflow. (DE41131, TFS13808)
- Resolved an issue that could have occurred during major upgrades or uninstalls where the installer would present an error due to Postgres DataDirect drivers not being properly registered. (TFS15312, US85846)

Perceptive Content 7.1.2.727 & 7.1.2.728 Releases (November 10, 2015)

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

7.1.2.727

- DDL Scripts
- Perceptive Content Client
- Perceptive Full Text Search Agent
- Perceptive Integration Server
- Perceptive Recognition Agent
- Perceptive User Replication Agent

7.1.2.728

- Perceptive Content Server

If upgrading from a previous version of Perceptive Content, see the 7.1.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.

Enhancements

DDL Scripts

- The Oracle rollup incrementals were updated to so you can determine if the Oracle version is Standard Edition or Enterprise Edition and, depending on the version, create either a BTree or Bitmap index for temporary indexes used during the upgrade.

Perceptive Full Text Search Agent and Perceptive User Replication Agent

- Perceptive Full Text Search Agent and Perceptive User Replication Agent installers were updated to maintain consistency with the DDL Script updates.

Updates

Perceptive Content Client

- Resolved an issue with scanner profiles configured for barcode detection where barcodes were not successfully added to an index value when the Remove separator sheet checkbox was not selected. (DE46766, TFS15012)
- Resolved an issue where the status of all existing digital signatures was changed to an invalid status when the original signatures were created in ImageNow 6.6 or 6.7 and the system was upgraded to Perceptive Content 7.x. The status of the digital signatures is now maintained during upgrades, and the visual representation of pre-existing digital signatures are properly displayed on the relevant documents. (DE47226, TFS15128)

Note After an upgrade, pre-existing digital signature passwords are expired. To apply any new digital signatures in the Perceptive Content 7.x system, all users are prompted to create a new Digital ID.

Perceptive Content Server

- Resolved an issue where OSM transfer jobs were not successfully created. (TFS15181)

Perceptive Integration Server

- Integration Server was updated to resolve an issue where documents could not be viewed in the Experience Tasks module without the user being granted the Open and Search privileges on the drawer. Now, only the Open privilege is required. (DE47694, TFS14945)

Perceptive Recognition Agent

- Resolved an issue where some pages would not successfully scan into the system when processed through Recognition Agent. (DE45822, TFS14847)

Perceptive Content 7.1.2.712 Release (October 9, 2015)

The following enhancements and updates are included in this initial release of Perceptive Content 7.1.2.

Product enhancements

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

- Localization
- Object Store Manager
- Perceptive Forms Server
- Perceptive Full Text Search Agent
- Perceptive Integration Server
- WebNow Server
- Workflow

Localization

Perceptive Content was enhanced to include a partially-translated user interface. All unaltered user interfaces assume the translated language from the previously installed 7.0 version. New and altered user interfaces will be in English until they are translated in a future version.

Object Store Manager

Two new OSM external plugins were added: Centera and IXOS. The Centera plugin allows Perceptive Content to use a Centera storage device. The IXOS external plugin is a read-only plugin that allows Perceptive Content Server to retrieve reference objects through an IXOS endpoint. This plugin requires an OSM reference set. For more information, see the *7.1.x Perceptive External OSM Plugin Best Practices Guide*.

Perceptive Forms Server

Forms Server now delivers forms through a browser, using a URL, as part of the eForms product. The Java applet dependency was removed through this enhancement. For more information and installation instructions, see the *7.1.2 Perceptive Forms Server Installation and Setup Guide* and the *7.1.x Perceptive Content Technical Specifications*.

Perceptive Full Text Search Agent

You can now set up server health monitoring for Perceptive Full Text Search Agent and OSM Agent to verify that the servers are responsive and connected to the database. The servers will respond to a ping message with a success status if they have successfully connected to the database. For more information, see the *7.1.x Perceptive Content Server and Client* installation guides for Windows and UNIX.

WebNow Server and Perceptive Integration Server

Oracle JRE version 1.8.x is now supported for use with WebNow Server and Integration Server.

Note Through this enhancement, the only supported versions of Oracle JRE are 1.8.x and 1.7.0_45.

Workflow

You can now designate a delegate user to perform task actions for another user while an out of office event is active.

Platform enhancements

Perceptive Content 7.1.2 provides the following enhancements to development tools.

Perceptive Integration Server

Records management

You can now use Integration Server calls to declare a document as a record using literal values, or declare a document as a record using an external capture profile.

You can now deploy the Integration Server web application in IBM WebSphere Application Server. For more information, see the 7.1.x *Perceptive Integration Server on WebSphere Installation Guide*.

Web service APIs

The following table contains new web service APIs for Integration Server.

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

Operation	Description
GET: /v1/record/{id}	Use this call to get record properties.
POST: /v1/record	Use this call to declare a document as a record with user provided metadata, or by using a capture profile.
PUT: /v1/record/{id}	Use this call to update record properties. Note Missing information clears the corresponding portion of the record.

Perceptive Integration Server and WebNow Server

Oracle JRE version 1.8.x is now supported for use with WebNow Server and Integration Server.

Note Through this enhancement, the only supported versions of Oracle JRE are 1.8.x and 1.7.0_45.

Updates

This release provides updates to the following products.

- Perceptive Content Client
- Perceptive Content Server

Perceptive Content Client

- CaptureNow: Resolved an issue that could occur when using CaptureNow with Kofax VRS Adrenaline configured for separator sheets with scanning in duplex and blank page deletion. The first batch was successful but the first page of each subsequent batch was removed. (TFS14913)

Perceptive Content Server

- Resolved an issue that could cause an error to occur if a user created an item in a predefined list that had the same name as another item in a different predefined list. (DE41190, TFS13809)

Perceptive Content 7.1.1.441 Release (September 10, 2015)

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

- DDL Scripts

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

If upgrading from a previous version of Perceptive Content, see the 7.1.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.

Enhancements

DDL Scripts

- The following roll-up incrementals were updated to include additional and improved pre-upgrade conditional database checks, and to improve handling of failed checks.
 - **SQL Server.** 6.6 to 6.7.0.3656, 6.7 to 7.0.5.860, 6.8 to 7.0.5.860, 7.0.5.860 to 7.1.0.4, and 7.1.0.4 to 7.1.1.3
 - **Oracle.** 6.6 to 6.7.0.3656, 6.6 to 6.7.0.3656_CTAS, 6.7 to 7.0.5.860, 7.0.5.860 to 7.1.0.4, and 7.1.0.4 to 7.1.1.3

Note No schema changes (DDL/DML) were made to these scripts.

Perceptive Integration Server

- A new GET: `/v1/document/{id}/page/{pageId}/conversion/{outputType}` Integration Server call was added that allows you to convert a page in a document to a PDF, TIFF, or PNG file. (US77340)

Updates

Perceptive Business Insight

- Resolved an issue that prevented the creation of audit history when a document or page was viewed in Interact Desktop, even though the correct audit template was used. (DE42408)

Perceptive Content Client

- Resolved an issue where color scanning resulted in uncompressed output when using a CaptureNow for Adrenaline license. (DE42647, TFS14413)
- HyperLearn: Resolved an issue where Perceptive Content Client and Management Console would become unresponsive when editing or implementing a HyperLearn application plan. (DE44223, TFS14633)

Perceptive Content Server

- Perceptive Content Server was released to maintain consistency with other patched products.

Perceptive Content 7.1.1.434 Release (August 10, 2015)

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

- Perceptive Business Insight
- Perceptive Content Server
- Perceptive Forms Server
- WebNow

If upgrading from a previous version of Perceptive Content, see the 7.1.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 Business Insight

- Resolved an issue where conducting a user name search would not return the full list of users when searching by name. (DE45284)
- Resolved an issue where the user cache was not being utilized. (DE45851)

Perceptive Content Server

- Resolved an issue where agent users for forms and Interact for Xerox were not automatically created when uploading the corresponding license to the server. (DE39428, TFS8330)
- Resolved an issue that prevented task views implemented in iScript from retrieving all valid view results. (DE44746, TFS14707)
- Resolved an issue that could have resulted in unintended availability of session information in Management Console. (TFS14800, US77219)

Perceptive Forms Server and WebNow

- Resolved an issue where when adding a line item on a form in WebNow, if an XML node was not present in the XSL, the node was not added. (DE40606, TFS13691)

Perceptive Content 7.1.1.421 Release (July 10, 2015)

The following enhancements and updates are included in this initial release of Perceptive Content 7.1.1.

Product enhancements

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

- Object Store Manager
- Perceptive Business Insight
- Perceptive Content Server
- Perceptive Forms Server
- WebNow
- Workflow

Object Store Manager

You can now add, update, and display OSM reference sets. Reference sets allow you to retrieve a document with pages that refer to content previously created or captured into another system. Reference sets allow access to the objects but no new objects are added to the set during runtime. All other OSM sets used for storing and retrieving documents created by, or captured into Perceptive Content, are now known as primary sets. For more information, see the Object Store Manager topics in Manage Content help.

Note You cannot add a filter that redirects documents to an OSM set if the set has been designated as a reference set.

Perceptive Business Insight for Mobile

You can now download a mobile installer for Business Insight if you need to access Cognos from a mobile device using the IBM Cognos Mobile application. This allows mobile reporting from a smart phone or tablet.

Note If a blank page appears when attempting to open a report within the IBM Cognos Mobile app, see the following Cognos information for workarounds: <http://www-01.ibm.com/support/docview.wss?uid=swg21685050>

Perceptive Content Server

Added the optional `--ignore-tablespace` argument to the `db-schema-validation` Intool command to allow the command to ignore mismatched tablespaces or filegroups when performing a schema validation.

Perceptive Forms Server and WebNow

Updated Trusted Application Certificate to extend certificate expiration.

Workflow

Workflow queues can now be designated as a “route from anywhere” destination. Enabling the “route from anywhere” setting on a queue allows users to route any item within a process to the destination queue even when users are not defined members of the queue.

Product changes

This section provides an overview of product updates not included in the installation.

Mail Agent

Mail Agent has been replaced by Perceptive Content Email Agent 1.0. Email Agent is compatible with Perceptive Content 7.1.1 but is no longer included in the Perceptive Content installation. If you currently use Mail Agent, we recommend upgrading to Email Agent 1.0. For more information and installation instructions, see the 1.0.x *Perceptive Content Email Agent Installation and Setup Guide* and *Perceptive Content Email Agent Technical Specifications*.

Platform enhancements

Perceptive Content 7.1.1 provides the following enhancements to development tools.

iScript

The following table provides details of additions to iScript 7.1.1.

Object	Description
INStream	Use to access binary data and save to a file. Note Currently a created stream contains no data.

The following lists changes and additions to existing iScript objects.

- **INLogicalObject.** Added the `getClientSideRetrievalProperties` method. This method returns the properties required to perform client-side retrievals for a logical object stored in an OSM external set.
- **INLogicalObject.** Added the `retrieveObjectStream` method. This method retrieves a stream containing the data represented by the logical object as well as parameters passed about the logical object.
Note The `retrieveObject()` method has been deprecated and new scripts should now use the `retrieveObjectStream` method instead.
- **INOSm.** Added the `getAllOSmReferenceSet` method. This method finds all OSM reference sets and returns specific properties.
- **INDocument.** Added the `attachObject` method. This method attaches an external reference object as a page to the document.

Perceptive Integration Server

Integration Server was updated to use `queueID` when checking document open privileges from a workflow context.

Updates

This release provides updates to the following products.

- Perceptive Business Insight

- Perceptive Content Client
- Perceptive Content Server
- Perceptive Forms Server
- Perceptive Full Text Search Agent
- WebNow

Perceptive Business Insight

- Synchronized reports with the latest packages to resolve an issue that caused a warning to appear the first time a user edited a report. (DE44756)

Perceptive Content Client

- Resolved an issue where the visual progress indicator was missing when refreshing a view or performing a search. (DE41998, TFS14025)
- Resolved an issue where the first page after the patchcode sheet in a scanned batch was removed when duplex scanning and blank page removal were enabled in the scanning profile, and separator sheet removal was enabled in the capture profile. (DE41423, TFS13951)

Perceptive Content Server

- Resolved an issue that caused the database type selection to reset to the default value during upgrade. The database type selection is now preserved. (TFS14353)
- Resolved an issue that could prevent Single Sign-On authentication when the LDAP authentication method was also configured. (TFS14661)

Perceptive Forms Server and WebNow

- Resolved a security vulnerability issue that could result in account escalation when using WebNow in an SSO configuration. (DE44731, TFS14721)

Perceptive Full Text Search Agent

- Resolved an issue that required an internet connection during installation. All required files are now included in the installation file. (DE42157, TFS14226)

Perceptive Content 7.1.0.378 Release (June 10, 2015)

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

- DDL Scripts
- Perceptive Connector for SAP ArchiveLink
- Perceptive Content Client
- Perceptive Content Server
- Perceptive User Replication Agent

If upgrading from a previous version of Perceptive Content, see the 7.1.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 enhancement and updates are included in this patch.

Enhancement

DDL Scripts

- The incrementals were renamed for SQL Server and Oracle to now include a common prefix.

Updates

Perceptive Connector for SAP ArchiveLink

- Resolved an issue that caused an exception to occur when using the SAP ArchiveLink connector to store several documents. (DE43793, TFS14560)

Perceptive Content Client

- Resolved an issue that would not allow user or group names beginning with "all" to be created. (DE43383, TFS14360)
- Resolved an issue where the use of an apostrophe within a Drawer Name or Field1 through Field5 within a workflow rule prevented the successful save and implementation of that workflow rule. (TFS14447)

Perceptive Content Server

- Resolved an issue that caused iScript to stop responding when a user launched an iScript that contained the Clib.printf() function. (DE42189, TFS14238)
- Resolved an issue that caused ODBC warnings to display when SQL queries were run from an iScript against the INOW database schema. (DE42978, TFS14494)
- Resolved an issue that would not allow user or group names beginning with "all" to be created. (DE43383, TFS14360)
- Resolved an issue that could cause a file system error after a session had been recovered. (DE44203, TFS14612)
- Resolved an issue where the use of an apostrophe within a Drawer Name or Field1 through Field5 within a workflow rule prevented the successful save and implementation of that workflow rule. (TFS14447)

Perceptive User Replication Agent

- Resolved an issue that would not allow user or group names beginning with "all" to be created. (DE43383, TFS14360)

Perceptive Content 7.1.0.363 Release (May 11, 2015)

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

- Perceptive Connector for SAP ArchiveLink
- Perceptive Content Client
- Perceptive Content Server

If upgrading from a previous version of Perceptive Content, see the 7.1.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 Connector for SAP ArchiveLink

- Resolved an issue where the cache for hosted documents in SAP ArchiveLink was not correctly invalidated between retrievals of attachments. (DE41748, TFS13959)

Perceptive Content Client

- Previously in some multibyte languages, adjacent characters created by pressing multiple keys did not display correctly in text fields. Now the system generates the correct character for display and then inserts that into the text field. (TFS13789)
- Resolved an issue where barcode values were not populating document keys when separator sheet was discarded. (DE42355, TFS14351)

Perceptive Content Server

- An advanced search of custom properties that uses "OR" as the operator for more than one search condition now returns relevant results. Previously, when searching for multiple custom properties that were associated with different document types, the "OR" operator caused the search to return incomplete results. (DE40917, TFS13737)
- Resolved an issue where running a workflow view with a list custom property column returned an error message and no results when the view contained documents. (TFS14394)

Perceptive Content 7.1.0.344 Release (April 8, 2015)

The following feature and enhancements are included in this initial release of Perceptive Content 7.1.0.

New feature

This section highlights a new feature available in Perceptive Content, version 7.1.0.

Security update

Perceptive Content now supports using 256-bit encryption for network communication between all Perceptive Content servers and clients.

Product enhancements

This section provides, in alphabetical order, an overview of enhancements made to existing functionality. This release provides updates to the following product enhancements.

- Capture
- Mail Agent
- OSM Plugin for AcuoStore
- Records Manager
- Workflow Agent

Capture

The following Capture enhancements are available in Perceptive Content 7.1.0.

External Scanner source profile

An External Scanner source profile is now available. You can use this server-side source profile when scanning images from an application that is utilizing Integration Server to connect with Perceptive Content. This source profile can be utilized by clients such as Perceptive Experience or third party applications. This source profile stores settings such as paper size, barcode detection options, image processing options, and other settings you configure for your scanner. The selections in this source profile become the default settings for any scan application you use to capture images into Perceptive Content.

External User application plan

An External User type application plan is now available. You can use this application plan when capturing files or scanning images from an application that is utilizing Integration Server to connect with Perceptive Content.

External Scanner capture profile

An External Scanner capture profile is now available. You can use this server-side capture profile when scanning images from an application that is utilizing Integration Server to connect with Perceptive Content. This capture profile can be utilized by clients such as Perceptive Experience or third party applications.

Mail Agent

Mail Agent now supports Transport Layer Security (TLS). TLS is enabled with a setting in the `inserverMail.ini` file.

OSM Plugin for AcuoStore

Added the ability to configure an OSM that is backed by AcuoStore, providing a shared storage infrastructure in the Healthcare space.

Records Manager

You can now use the iScript INRecordManager object to declare a document as a record using a given document ID, and declare a document as a record using an external capture profile. Metadata from the original document is associated with the declared record. You can also set the author, originating organization, and publication date. Use the Application Plan Designer in Management Console to create record-based external application plans and capture profiles.

Workflow Agent

You can modify a setting in the Workflow Agent configuration file (inserverWorkflow.ini) that enables you to specify a preference for the order in which Workflow Agent processes items. Users can define when items in a workflow queue are processed in relation to items in the retention policy queue. In an active/active environment, a processing preference can be set for a specific instance.

Platform enhancements

Perceptive Content 7.1 provides the following enhancements to development tools.

iScript

The following table provides details of an addition to iScript 7.1.0.

Object	Description
INRecordManager	Declares a document as a record, or declares a document as a record using an external capture profile

Perceptive Integration Server

The following table contains new web service APIs for Integration Server.

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

Operation	Description
GET: /document/{id}/page/{pageId}/rendition	Use this API call with the File Conversion Service to retrieve a PNG rendition of a document page. The request contains the document ID and page ID for the page that you want to convert to a PNG. You specify the base URL for the service through the render.fileimageservice.url Integration Server ini setting. Note You must install the File Conversion Service prior to using the Integration Server call. For installation instructions, see the File Conversion Service help.
GET: /v2//task/{id}	Requests detailed information about the task in Perceptive Content Server that matches the given ID. The new task type responses allow the system to require users to specify a reason when returning or completing a task.

Operation	Description
GET: /task/{id}/VisualRepresentation	Retrieves the metadata associated with the visual representation of a task.