Perceptive Content

Release Notes

Version: Foundation 23.1

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Hyland™

Documentation Notice

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Overview

Perceptive Content Foundation 23.1 contains new features, product and platform enhancements, and updates. New features introduce the new functionality available in your Perceptive Content Foundation 23.1 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 approximately every eighteen months. Build releases, also known as patch releases, are posted each month.

Perceptive Content Foundation 23.1 (7.10.0.239) Release (March 8, 2024)

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 Business Insight

All Released Products

- Updated the code signing certificate for Windows applications. (PER-9359)

All Perceptive Content Agents

- Resolved an issue in iScript which could result in the incorrect time being returned when using a Date object's localized instance methods on Linux. (PER-9164)

Perceptive Content Server

- Resolved issues with OpenID Connect logins failing during token validation with "ID Token audience validation failed" errors when multiple audiences are present in the claim. (PER-9437)

Perceptive Business Insight

- Removed additional information that were displayed in p2pd_message log file. (PER-9444)

Perceptive Content Foundation 23.1 (7.10.0.224) Release (February 10, 2024)

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

Product updates

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

- Perceptive Content Client
- Perceptive Content Server

All Perceptive Content Agents

- Added support for Oracle Instant Client 21.12 with ODBC on Windows. See the Perceptive Content Technical Specifications for ODBC driver and operating system compatibility. (PER-9362)

- Added support for Oracle Instant Client 21.13 with ODBC on Linux. See the Perceptive Content Technical Specifications for ODBC driver and operating system compatibility. (PER-9362)

- Updated supported versions of Microsoft ODBC Driver 17 for SQL Server on Windows and Linux. See the Perceptive Content Technical Specifications for ODBC driver and operating system compatibility. (PER-9362)

- Perceptive Content now supports RabbitMQ 3.11 and 3.12. If upgrading from previous versions of RabbitMQ, refer to the Perceptive Content RabbitMQ Update Guide. (PER-9362)

Perceptive Content Client

- Resolved issues with OpenID Connect logins persistently failing with some OpenID Provider integrations. Added a new setting to control whether this class of error should be ignored. For more information, see the sso.openid.connect.login.ignore.client.aborted.requests.enabled setting of the imagenow.ini [OpenID Connect Login Controls] settings help topic in the Manage Content help. (PER-9343/PER-8564)

- Resolved an issue where the client would not maintain focus on correct page when a multiple page document was saved. (PER-9145)

- Updated third-party viewing SDK with latest version, fixes potential security vulnerability CVE-2023-4863. (PER-9143)

Perceptive Content Server

- Updated demo mode licensing policies to improve support for Active-Active configurations. (PER-9342)

Perceptive Content Foundation 23.1 (7.10.0.209) Release (December 10, 2023)

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

Product updates

This section provides an overview of updates made to existing functionality.

All Perceptive Content Agents

- Resolved an issue where intermittent connectivity to RabbitMQ could occur when using TLS connections on Windows. (PER-9212)

- Added new settings to disable publication of informational events to the message queuing broker. If these events are not being consumed, it is recommended that these settings be disabled. For more information, see the inow.ini [Message Queuing] settings help topic in the Manage Content help. (PER-9212)

- The following cryptographic algorithms are deprecated and should no longer be used. Any user supplied keys that were generated using these algorithms should be updated to use newer algorithms to ensure compatibility with future Perceptive Content releases. Affected symmetric ciphers include Blowfish, CAST, DES, IDEA, RC2, RC4, RC5 and SEED. Affected hashing algorithms include MD2, MD4, MDC2, WHIRLPOOL and RIPEMD160. (PER-9233)

- Resolved an issue in remote agent installers that prevented the full token from being added to the configuration. Updated the installer Token Authentication dialog to unmask the authentication token control to support verifying the token is entered correctly. The following installers were updated: User Replication Agent, Recognition Agent, Output Agent, File Processing Agent, Fax Agent. (PER-8565)

Perceptive Content Foundation 23.1 (7.10.0.200) Release (November 10, 2023)

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

Product updates

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

- Perceptive Content Client
- Perceptive Content Server

Perceptive Content Client

- Added a new setting to allow the Perceptive Content client to close the logon dialog window after a user is logged in to the Perceptive Content client. For more information, see the close.logon.dialog.after.successful.logon setting of the imagenow.ini [Logon Settings] help topic in the Manage Content help. (PER-9130)

Perceptive Content Server

- Updated demo mode licensing policies to allow Active-Active configurations. (PER-9102)

- Updated demo mode licensing policies to allow the Integration Server Transaction Pack license. (PER-9102)

- Resolved an issue with blocking when initializing the user information cache in environments with a large number of users. For more information, see the users.bulk.load.max.entries and users.bulk.load.enable settings of the inow.ini [Cross Node Cache] settings help topic in the Manage Content help. (PER-9070)

- New version of IN_DB_UTIL (version 5.0) and updates to IN_DB_UPGRADE for Oracle which includes the following enhancements:

- Added a new stored procedure, CLEANUP_WF_ARCH_DATA, to the IN_DB_UTIL database package for Oracle, that cleans up old, archived workflow data from the database. (PER-9107)

- Added a new parameter, DISPLAY_BATCHES, for toggling OFF/ON the displaying of batch results in the output of the CLEANUP_AUDIT_DATA and CLEANUP_WF_ARCH_DATA procedures. (PER-9107)

Perceptive Content Foundation 23.1 (7.10.0.187) Release (October 10, 2023)

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

Product updates

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

- Perceptive Content Client
- Perceptive Content Server

Perceptive Content Client

- Updated Perceptive Content to support making OpenID Connect requests through an authenticated proxy. (PER-9020)

- Updated Perceptive Content with a configurable delay before triggering the OpenID Connect login. For more information, see the sso.openid.connect.login.delay.seconds setting of the imagenow.ini [OpenID Connect Login Controls] settings help topic in the Manage Content help. (PER-9020)

Perceptive Content Server

- New version of IN_DB_UTIL (version 5.0) and updates to IN_DB_UPGRADE for SQL Server which includes the following enhancements:

  - Updated the Perceptive Content IN_DB_UTIL database package for SQL Server to version 5. (PER-8991)

  - Added the IN_DB_UTIL_LOG table to record execution and error logging for IN_DB_UTIL and IN_DB_UPGRADE operations. Also includes a new parameter, DISPLAY_BATCHES, for toggling OFF/ON the displaying of batch results in the output of the N_DB_UTIL_CLEANUP_AUDIT_DATA and IN_DB_UTIL_CLEANUP_WF_ARCH_DATA procedures. (PER-8991)

  - Implemented the APPLOCK feature of SQL Server to allow for explicit locking of application resources (stored procedures and identifiers) when they are called during the execution of the IN_DB_UTIL package/procedures and by extension the IN_DB_UPGRADE package/procedures. (PER-9084)

Perceptive Content Foundation 23.1 (7.10.0.176) Release (September 10, 2023)

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

Product updates

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

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

All Perceptive Content Agents

- Removed upper limit on number of worker threads that can be configured for processing Perceptive Content work items. (PER-8919)

Perceptive Content Client

- Ensured Perceptive Content Client version is validated for OpenID Connect Single Sign-On logins. Resolved an issue where older versions of the Perceptive Content Client could connect to incompatible Perceptive Content Server versions. (PER-8539)

Perceptive Content Integration Server

- Ensured Perceptive Content Client version is validated for OpenID Connect Single Sign-On logins. Resolved an issue where older versions of the Perceptive Content Client could connect to incompatible Perceptive Content Server versions. (PER-8539)

Perceptive Content Server

- Ensured Perceptive Content Client version is validated for OpenID Connect Single Sign-On logins. Resolved an issue where older versions of the Perceptive Content Client could connect to incompatible Perceptive Content Server versions. (PER-8539)
- Updated migration packages to ensure that custom property list values are not inadvertently renamed or removed if they are being consumed. (PER-8243)
- Resolved a system stability issue which may occur when modifying a custom property list value that is currently being consumed. (PER-8243)
- Updated CLEANUP_AUDIT_DATA logging/output and SQL Server version checks in the IN_DB_UTIL package. (PER-8953)
- Updated IN_DB_UPGRADE logging/output and IN_DB_UTIL version checks in the IN_DB_UPGRADE package. (PER-8953)

Perceptive Content Foundation 23.1 (7.10.0.163) Release (August 10, 2023)

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

Product updates

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

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

Perceptive Business Insight

- Resolved an issue associated with run.bat where users had to manually set JAVA_HOME after installing the BI Integrator. (PER-8639)
- Resolved an issue associated with BI Authenticator logging additional data. (PER-8735)

Perceptive Content Client

- Updated Perceptive Content to support KeyView 12.13. This resolved an issue where Import Agent would not display .EML files correctly. (PER-7361)

Perceptive Content Integration Server

- Both the language and locale are now considered when formatting dates in forms. (PER-8689)

Perceptive Content Management Console

- Added localized strings for Custom Property Job Management. (PER-8804)

Perceptive Content Foundation 23.1 (7.10.0.145) Release (July 10, 2023)

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

Product updates

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

- Perceptive Content Client

Perceptive Content Client

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

Perceptive Content Foundation 23.1 Release (June, 2023)

The following enhancements and updates are included in the initial release of Perceptive Content Foundation 23.1.

Product updates

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

- Interact Office

- Perceptive Content Batch Agent

- Perceptive Content Client

- Perceptive Content Fax Agent

- Perceptive Content File Processing Agent

- Perceptive Content File System Agent

- Perceptive Content Forms Server

- Perceptive Content Integration Server

- Perceptive Content Management Console

- Perceptive Content Recognition Agent

- Perceptive Content Server

- Perceptive Content User Replication Agent

- Perceptive Content Workflow Agent

All Released Products

- Updated Perceptive Content to distribute OpenSSL 1.1.1t. (PER-7735)

- On Windows, updated Perceptive Content to inherit supported TLS protocols from system wide WinHTTP DefaultSecureProtocols for calls made to external web services. By default, Windows disables deprecated TLS protocols. For more information refer to Secure Protocols for Microsoft Windows HTTP Services under Special considerations in the Perceptive Content Update Guide. (PER-8112)

- Resolved an issue where installers would not display the correct message when a newer version of the product was already installed. Updated installers for Fax Agent, File Processing Agent, Output Agent, Recognition Agent, User Replication Agent. (PER-4803)

All Perceptive Content Agents

- Added support for Oracle Instant Client with ODBC 21.8 on Windows. See the Perceptive Content Technical Specifications for ODBC driver and operating system compatibility. (PER-7666)

- Updated supported versions of Microsoft ODBC Driver 17 for SQL Server on Windows and Linux. See the Perceptive Content Technical Specifications for ODBC driver and operating system compatibility. (PER-7666)

- Resolved an issue where iScript String object toUpperCase and toLowerCase methods could truncate double-byte character values. (PER-7256)

- Updated Perceptive Content to support TLS v1.3 for calls made to external web services. (PER-7434)

- Updated performance statistic logging to sanitize arguments. (PER-498)

- Added settings to control the maximum length for arguments that are output in the performance statistic logs. For more information, see the stats.<type>.param.max.length settings of the inow.ini [Statistics] help topic in the Manage Content help. (PER-498)

Interact Office

- Resolved an issue where the installer would not display the correct message when a newer version of the product was already installed. (PER-4803)

Perceptive Content Batch Agent

- Updated Perceptive Content Batch Agent to handle processing custom property updates to a document or folder type. Perceptive Content Batch Agent must be running if asynchronous processing of custom property updates are enabled via the inow.ini custom.properties.job.framework.enable setting. (PER-7095)

Perceptive Content Client

- Updated Perceptive Content to allow login profile synchronization when launching new client applications when another client instance is running. For more information, see the login.profile.client.sync.enable setting of the imagenow.ini [General] settings help topic in the Manage Content help. (PER-7336)

- Improved support for emailing Perceptive Experience Content Apps links to documents in Thunderbird email client. (PER-7383)

- Resolved an issue with importing certain TIFF files. Additionally, you can now annotate LZW encoded TIFF images in the client. (PER-7459)

- Resolved an issue where capturing using Hyland Virtual Printer would use printer page settings instead of capture source profile page settings, such as landscape, legal, and A4 pages. (PER-7734)

- Resolved an issue where exporting documents with very large page files could cause the client to close unexpectedly. (PER-7722)

- Resolved an issue where the system could not open documents that were exported or emailed as HTML documents. (PER-7334)

- The [Experience URL Default] group is now included in the inserver.ini file by default. (PER-7764)

- Resolved an issue where the installer would not display the correct message when a newer version of the product was already installed. (PER-4803)

Perceptive Content Fax Agent

- Updated installer to prompt for ODBC settings when configured to run locally. (PER-8012)

Perceptive Content File System Agent

- Ensured that database recovery is triggered appropriately for work processed by File System agent. (PER-7639)

Perceptive Content File Processing Agent

- Updated Windows installer to prompt for agent token during remote installation. (PER-7980)

Perceptive Content Forms Server

- Resolved an issue where eForm serverAction would fail if the input parameters contained reserved XML characters. (PER-7126)

- Perceptive Content Forms Server now supports Tomcat version 10.1. (PER-279)

Perceptive Content Integration Server

- Resolved an issue where eForm serverAction would fail if the input parameters contained reserved XML characters. (PER-7126)

- Updated Integration Server session management to gracefully cleanup connection resources to Perceptive Content Server when a connection is disconnected. Perceptive Content Server must be running the same or newer version of Integration Server. (PER-7408)

- Ensured that Integration Server API calls are not charged transactions for Perceptive Content bearer tokens associated with a Perceptive Content Apps session. (PER-8074)

- Updated OpenID Connect Login Profiles sso.openid.profile.<profileName>.max.response.value.size default value to be 3000 bytes. For more information see the Appendix A: integrationserver.ini file options section of the Perceptive Integration Server Installation Guide. (PC-8091)

- Updated Bearer Token Login Profiles sso.bearer.profile.<profileName>.max.bearer.token.size default value to be 3000 bytes. For more information see the Appendix A: integrationserver.ini file options section of the Perceptive Integration Server Installation Guide. (PC-8091)

- Perceptive Content Integration Server now supports Tomcat version 10.1. (PER-279)

- Resolved an issue where Integration Server conversion, rendition or export calls could result in empty pages when GRAPHIC_DPI rendering options were adjusted in File Conversion Service configuration. (PER-8099)

- Added support for cloud licensed remote agents in Integration Server. (PER-8238)

Perceptive Content Management Console

- Added the ability to view and manage custom property jobs under the Custom Properties section in Management Console. (PER-7086)

Perceptive Content Server

- Improved Perceptive Content server security. (PER-7357)

- Updated the setting, osm.disallowed.file.extensions, in the [OSM] section in the inow.ini configuration file to include a default list of file extensions. You can modify the list accordingly. For more information, see the inow.ini [OSM] settings topic of the Manage Content help. (PER-7363)

- Resolved an issue where the inserverConvert installer would install or update the deprecated SMTP settings, smtp.server and smtp.server.port, during the installation process. (PER-6930)

- Updated Perceptive Content Server to gracefully cleanup connection resources when Integration Server disconnects a connection. (PER-7408)

- Resolved an issue where changes to a folder or document could not be made if a modified custom property was missing from the instance. (PER-7090)

- Enabled asynchronous processing of custom property updates to a document or folder type. For more information, see the custom.property.job.framework.enable setting of the inow.ini [Custom Property Job Framework] help topic in the Manage Content help. (PER-7095)

Perceptive Content Recognition Agent

- Updated installer to prompt for ODBC settings when configured to run locally. (PER-8012)

Perceptive Content User Replication Agent

- Improved error handling in Perceptive Content User Replication Agent to prevent the unintended removal of users from the system when certain intermittent errors occur. (PER-7365)

- Updated installer to prompt for ODBC settings for local configuration. (PER-8013)

- Updated installer to prompt for MQ settings for all configurations. (PER-8013)

Perceptive Content Workflow Agent

- Added Workflow agent settings to facilitate workload balancing customization: work.queue.type.work.items.minimum, work.queue.type.work.items.maximum, work.queue.type.work.items.multiple, batch.work.items.maximum, minimum.work.item.batches. For more information, see the inserverWorkflow.ini help topic in the Manage Content help and Workflow Agent performance tuning topic in the Workflow Designer help. (PER-498)