

Perceptive Process

Release Notes

Version: 4.6

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Perceptive Process 4.6.x Release Notes

This document provides an overview of the changes in Perceptive Process version 4.6.x.

New features	Introduces the new functionality available in Perceptive Process version 4.6.x.
Enhancements	Provides an overview of the enhancements made to existing features in Perceptive Process version 4.6.x.
Updates	Provides an overview of the issues that have been resolved in Perceptive Process version 4.6.x.
Supported platforms	Provides an overview of the changes to the platforms that are supported in Perceptive Process version 4.6.x.

Perceptive Process Product Information is updated with every release. This Product Documentation includes the Product Guide, Installation and Setup Guide, and Technical Specifications.

Upgrade

You can easily upgrade from Perceptive Process version 4.0.x, 4.1.x or 4.2.x to Perceptive Process version 4.6.x.

It is not possible to upgrade directly from a version before Perceptive Process 4.0. An upgrade to Perceptive Process version 4.0.x, 4.1.x or 4.2.x is required before upgrading to Perceptive Process version 4.6.x.

If you are upgrading from a version before Perceptive Process 4.2, we recommend you read the release notes for the intermediate versions.

When upgrading to 4.6.x, it is important to read the following points carefully:

- With respect to worklists, two properties have been altered:
 - PublishBased
This property is still present but can no longer be set. It is initialized when creating a worklist. To protect a generated worklist CAP file a new property should be used, i.e. ManualUpdate.
 - uiDeleteAll
This property is no longer present and thus can no longer be set, as the user interface no longer had the corresponding button to delete all cases.

This means that configuration scripts that use either of these properties may print out an error messages or may not work correctly.

- The standard worklist *notpublished* has been overhauled. It is therefore deleted and new installed. As a consequence, all assignments for this worklist are lost.
- The *map.cap* file, used for the Case Type generic mappings, will be overwritten on every upgrade. It is therefore recommended not to add customizations to this file.

If and when customizations are required, these customizations should be placed in the new *map-customer.map* file. This file is included from the *map.cap* file and will **never** be overwritten during an upgrade.

- As indicated below, an issue was resolved involving the working of the tab key in a table on a form in the Case Guide client.
As a consequence of this fix, scrolling will no longer occur within a table on a form in the Case Guide client when operating the tab key.
Scrolling within a table on a form in the Case Guide client can only be done with the use of the scrollbar.

Perceptive Process 4.6.0 – March 2021

The following new features, enhancements, updates, and changes to supported platforms are included in Perceptive Process version 4.6.0.

New features

General

- The following general changes have been made:

Subject / Package	Old version	New version
Minimal support Windows Server	2008	2012
MSVC compiler set	2005	2017
Wise Install Master	9.02	<i>n/a</i>
WiX	3.0	3.11.2
MSSQL database	2005	2012
Oracle database	9.2	11.2
CodeMirror	<i>n/a</i>	5.49.2
ImageMagick	6.8.6-8	7.0.10-0
eXtreme Toolkit	15.2.1.043	19.2.0
LibXML	2.7.6-1	2.9.10
OpenSSL (Windows)	1.0.2e	1.1.1d
Zlib	1.2.1	1.2.11

- The EULA has been updated.
- A new code-signing certificate is used to sign Windows executables and libraries as well as the JAR files.
- On Windows, both the installation and the upgrade are handled directly from an MSI. A self-extracting executable is no longer used.

- The so-called personal installation is discontinued. This is now covered by an enterprise installation with a single user license.
- There are only two generic packages, one for each of the supported platforms (Linux and Windows). These packages contain a platform specific installer, the documentation, the demo Case Types and the additional components.
- On Windows, both the US English and the Dutch documentation is installed or upgraded automatically.

Client

- The Java applet for configuration (CFM) has been replaced with a HTML/JavaScript interface:
 - A context menu entry in the left-hand portal menu **Administration** is extended with applicable sub menu entries:
 - **Users**
This menu entry enables an administrator to work with users in a sortgroup.
 - **SortGroups**
This menu entry enables an administrator to work with sortgroups.
 - **Contexts**
This menu entry enables an administrator to work with contexts.
 - **Authorization profiles**
This menu entry enables an administrator to work with authorization profiles.
 - **Distribution profiles**
This menu entry enables an administrator to work with distribution profiles.
 - **Function Profiles**
This menu entry enables an administrator to work with function profiles.
 - **Report profiles**
This menu entry enables an administrator to work with report profiles.
 - **Work profiles**
This menu entry enables an administrator to work with work profiles.

This new HTML/JavaScript interface has a similar look and feel as the replaced Java applet.

- A new left-hand portal menu, named **Configuration**, is introduced. It contains the overview pages from the left-hand portal menu **Administration** and is extended with some new entries. This left-hand menu now contains the following entries:
 - **Archives**
This new menu entry enables an administrator to work with and define archives.
 - **Case Types ***
This menu entry enables an administrator to work with case types.
 - **Document classes ***
This menu entry enables an administrator to work with document classes and application definitions.
 - **Modules ***
This menu entry enables an administrator to work with modules.
 - **Projects ***
This menu entry enables an administrator to work with Integration Framework projects.
 - **Publishes ***
This menu entry enables an administrator to work with publishes.
 - **Reports**
This new menu entry enables an administrator to work with published reports.
 - **Worklists ***
This new menu entry enables an administrator to work with and define worklists.

** not available in a Design only environment*

- The new menu entry **Archive** contains functionality to define archives, formerly only found in the command line tool *econf*.
- The new menu entry **Reports** contains the report functionality from the replaced CFM applet. The new HTML/JavaScript CFM functionality no longer has this functionality.
- The new menu entry **Worklists** contains the worklist definition functionality from the replaced CFM applet. The new HTML/JavaScript CFM functionality no longer has this functionality. The original functionality has been extended with (amongst others):
 - A syntax-highlighted *cap* or *cap.org* file editor for worklists
 - A new method for defining the so-called marker columns, including a syntax-highlighted *marker.cap* file editor.
- A new way to show Case Type specific icons has been added. This icon is will then be used for all versions of the Case Type. The icon will be shown in the Case Types portal page, the worklists, the left hand Cases menu and every open case portal tab.

To use this functionality, a new folder on the server, i.e. `<datadir>/web/images/cti`, has to be created. In this folder a 16x16 GIF file with the name of the un-versioned Case Type needs to be added, e.g. *MotorClain.gif*.

If there is no file present for a Case Type, the standard icon will be used.

Enhancements

Server

- The status information is extended:
 - Added counters for the number of monitored channels
 - Added counters for the number of monitored timeouts.
- The status information is extended with respect to the printed thread information:
 - The current number is now followed by a maximum number (e.g. open cases)
 - The thread number has been replaced with a verbose thread type
 - The delay time inside a thread has been added
 - For the so-called query threads, thread counters are added:
 - the number of count queries executed
 - the grand total of all counts returned
 - the number of full queries executed
 - the grand total of returned rows of full queries
- A new capability file, i.e. **map-customer.cap**, is added to the system. This file is specifically meant for generic case type mapping customizations. This file will **not** be overwritten during an upgrade.

The standard capability file **map.cap** now contains an include statement for the new capability file. Any customizations made so far in the standard capability file should be ported to the new capability file.

This standard capability file will be overwritten during an upgrade.

Installation

- The so-called FTU (First Time Use) stage of an installation has been improved

- During the installation on Windows and SQLSERVER the command **sqlcmd** is now used, instead of the deprecated command **osql**.
- During the installation, the given answers containing embedded quotes are now correctly escaped. This may prevent a crash during installation.
- The performance of the installation with a Windows domain account, with respect to getting the file permission group dynamically, has been greatly improved.
- The installation can now be performed successfully in Dutch.
- The restart of the server during the installation is more explicit.
- The start of the server after the installation is now more explicit.

Client

- When an existing data object in the Case Type Designer is dragged onto a containment field and that type of object is not accepted but an expression is acceptable, an expression will be created automatically.
- It is now possible to request the status information from the portal. A new button has been added to the log files portal tab.

NOTE:

As this is a performance intensive operation, using this functionality will have a negative impact on the overall performance.

- It is now possible to add or delete rows in a table on a form using the command line tool *chpcl*.
- It is now possible to trace all commands in the command line tool *chpcl*.
- An archive column has been added to the Case Types portal page, similar to the archive column in the Document classes portal page.
- The information in the archive column in the Case Types portal page, the Document classes portal page, the Publishes portal page and the list of publishes in a Case Type has been extended with an icon representing the type of the archive.
- The information in the case type column in the Case Types portal page has been extended with an icon that is configured for the un-versioned Case Type.
The same icon is used in worklists, the left hand Cases menu and an open case portal tab.
- The initial location of some of the popup windows used in the Case Type Designer has been changed. This should avoid that these popup windows would overlap.
- A new global setting is introduced to handle the presence of the **Holidays** page.
- A new left hand portal menu entry is introduced, in **System administration** named **User options**, enabling an administrator to check and/or delete user options.
- In a worklist it is now possible to have the footer message show the total number of cases next to the number of cases displayed.
- The action icons in the log file viewer for refreshing the content have been changed.
- The InfoBox *Client settings* tab has been re-ordered, a distinction between generic and Case Type specific settings has been made and two columns have been added, each of which indicating an origin of the setting's value (parameter or user).

Updates

Server

- Resolved an issue where the portal remained busy after a crash of an **exportmanager** process. Such a crash is now logged in *errors.log*.
- Resolved an issue where format strings were left behind in the *usedb.msg* file after deleting the worklist definition that used that format string.
- Resolved an issue where the standard worklist *notpublished* was not treated as a standard worklist in the *econf dump* command.
- Resolved an issue where a running *chpcc* command on Windows may wrongly be logged as *chpcc.exe* in the standard log files.
- Resolved an issue where the information kept on the connection between a **WFD** process and a **WFDP** process was not always correctly updated.
- Resolved an issue where an **exportmanager** process, due to some RSS settings, may crash.
- Resolved an issue where the database was not updated when deleting a Case Type, with storage type DBMS, using the command *econf delplan*.
- Resolved an issue where allocated memory was not cleared before usage on a multipart or form-data POST.
- Resolved an issue where running a program in a synchronous mode was not thread safe. This implies that the *startccr* setting no longer needs to be set to 1.
- Resolved an issue where the environment of an executable (e.g. **WFD**) on Unix may become corrupted. This eventually could lead to the inability to start new processes.
- Resolved an issue where a non-standard table was not updated when a case instance was deleted for case types with storage type DBMS.
- Resolved an issue where not all contained internal documents were properly deleted when a case instance was deleted.
- Resolved an issue where the number of concurrent so-called crontab jobs might be too large to execute.
- Resolved several memory leaks.

Manual

- Resolved an issue where several tables were too wide and/or too long for the page.
- Resolved an issue where an icon was missing from the types table for the Decimal number type.

Client

- Resolved an issue where the content section of the Explorer tab in the portal could disappear. There is now a range check implemented to assure that the content section does not occupy less than 20% or more than 60% of the Explorer tab.
- Resolved an issue where the portal left hand expanded menu could disappear. There is now a range check implemented to assure that the width of the left-hand expanded menu is not less than 250 pixels or more than 500 pixels.
- Resolved an issue where in the Case Type Editor the icons were not always updated consistently.
- Resolved an issue where in the Case Type Editor only the Integration Framework part was checked and errors were found, these errors were not reported.

- Resolved an issue where in the Case Type Editor a sub-type field was presented which did not have any meaning.
- Resolved an issue where in the Case Type Editor the number of foreground colors and the number of background colors were not consistent.
- Resolved an issue where in the Case Type Editor the number of fixedpoint digits could not be updated or update errors were not reported.
- Resolved an issue where the server locale list kept growing when opening and closing the System log files panel.
- Resolved an issue where the focus flow, when using the tab key, was not correctly handled for tables on a form.
- Resolved an issue where a message was given on running editors while no editors were running.
- Resolved an issue where starting a worklist from the collapsed portal menu lead to a portal tab without a title.
- Resolved an issue where setting a timestamp value in a worklist was not possible.
- Resolved an issue where saving a timestamp value in a worklist lead to an incorrect value being used, saved and retrieved.
- Resolved an issue where a date value in a worklist column could be displayed one month off.
- Resolved an issue where scrolling in a table could have led to an incorrect value for a dynamic combobox be send to the server.
- Resolved an issue where a combobox could send an incorrect value when the used array contains empty values.

Supported platforms

As of this version, AIX is no longer a supported platform.

A complete overview of supported platforms is available in the *Perceptive Process Technical Specifications*. If you have any questions about the supported platforms, contact Hyland Technical Support.