



PReS®
Connect

Release Notes

Version 2020.2



Release Notes

Version 2020.2

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OL PReS Connect Release Notes 2020.2

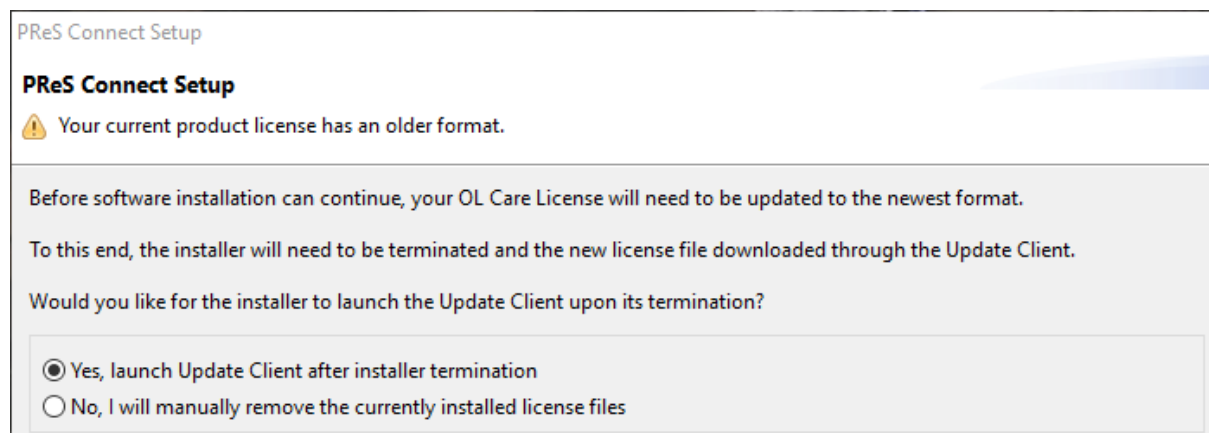
License Update Required for Upgrade to Connect 2020.x

From OL Connect 2019.1 onwards, only customers with a current OL Care subscription will be able to update Connect.

Every Connect license now contains an end date that represents the last day of OL Care coverage for each customer. Upgrades and updates of Connect will be freely available up until that end date, but will not be available thereafter, unless the OL Care period is extended.

This new licensing model requires anyone upgrading to 2020.2 from Connect versions earlier than 2019.1 to first update their OL Connect License.

A dialog box appears as part of the Connect upgrade process requesting you to do this.



It is heavily recommended that you first update the OL Update Manager, as newer versions of the Update Manager can update your OL License to the required version, then install Connect 2020.2.

For further details on how to upgrade the Update Client and update your Connect License see the [Update Manager 1.3 - Upgrade Guide](#).

If issues arise, or if you need to renew your OL Care subscription, please contact your [local Customer Care group](#).

Backup before Upgrading

It is recommended that you always backup your existing Connect preferences before upgrading to a new version. This will enable you to revert back to the previous version, in a worst case scenario in which the new version introduces issues with your existing production processes. Whilst the probability of such a worst case scenario is remote, it cannot hurt to take some simple precautions, just in case.

For instructions on how to do so, please see [how to backup an existing Connect installation](#).

Overview

This document provides an overview of the new features and enhancements in PReS Connect 2020.2 and PReS Workflow 2020.2, as well as some important installation information.

Installing PReS Connect 2020.2 and PReS Workflow 2020.2

- PReS Connect is released as a 64 Bit version only (with the exception of the Workflow, Fax, Search and Imaging modules).
- Full details on installing and licensing PReS Connect and PReS Workflow can be found in the online help, which can be accessed from the software and the installer.
- Note that both PReS Connect and PReS Workflow come with 30 day trial license by default.

Connect and Workflow installation requires Administrator rights

Please note that the PReS Connect and PReS Workflow installations can *only be run by users who have Administrator rights*.

Connect Templates Used in Workflow

For improved performance we recommend re-saving any Connect templates used in Workflow to the current version of Connect templates.

Reduced Memory Version (*not* recommended for production)

It is possible to install OL Connect on a machine with a minimum of 2 GB of RAM. The Connect Designer will automatically detect whether it has been installed on a machine with less than 4 GB of RAM and default to only using one internal Weaver and one internal merge engine on that system. The Server will also run using internal engines.

OL Connect 2020.2 Enhancements

Performance Changes

Changes have been made to the base performance of PReS and to the optional Performance packs. These provide greater parallel processing and a higher maximum output speed than previously.

As a result, PReS will now process up to 64 jobs in parallel to provide better overall performance on smaller jobs. (SHARED-78819)

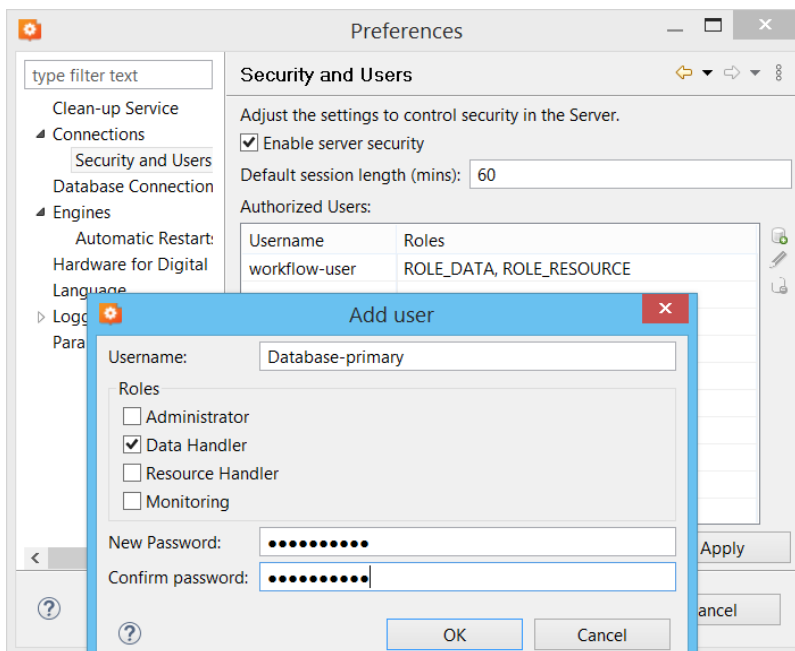
	Existing		New	
	Tasks that can run in parallel	Maximum speed*	Tasks that can run in parallel	Maximum speed*
PReS Connect	8	10,000	16	10,000
PReS Connect + Perf Pack	16	20,000	24	20,000
PReS Connect + 2 Perf Packs	24	30,000	32	40,000
PReS Connect + 3 Perf Packs	32	40,000	64	80,000

** The Maximum Speed is measured in Pages Per Minute (PPM) and is the theoretical maximum speed that a job can be processed at. The speeds actually achieved, however, will be dependent upon a combination of how powerful the hardware is and the complexity of the jobs being processed.*

OL Connect Security Improvements

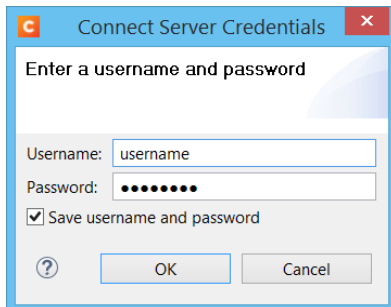
As part of our ongoing effort to transition to the cloud, we are improving the security of our software. This is ongoing process, with improvements made to this release and more planned for upcoming releases.

For this release, we have introduced role based authorization. Multiple users can now be setup, each with their own combination of roles. A *olc-user* user is added automatically at installation time (or the existing *ol-admin* retained when upgrading from earlier version) to allow initial access to the Server. Additional users can added after installation, using the **Server Configuration Tool**. (SHARED-75492)



Connect Designer will now prompt for credentials to connect to Connect Server when printing, if they are not already set.

Credentials will likewise need to be set manually in Connect Workflow.



In this release, the authentication is still based on local users managed by OL Connect. Expect further improvements in later releases.

Note

The Workflow **PDF to Bitmap** plugin now requires Connect to produce an output. If Connect 2020.2 is not available, an error will be returned. (SHARED-77308)

This can cause problems when running older configurations that did not have this requirement. To cure such issues, set the Workflow *Connect Server connection settings*.

Other Security improvements

- Security of the Weaver engine has been improved. (SHARED-74605)

Note

Important note for those running an Enhance config in which a JavaScript uses Java classes. JavaScripts evaluated by the Weaver engine no longer have access to the Java API by default. In order for such an Enhance config to run, any necessary Java classes must be whitelisted. For further details, please consult the [Knowledge Base](#).

- Multiple PReS Connect dependencies updated. (SHARED-76431)
- Improved support for encrypted email output (TLS/SSL). (SHARED-76460)

Print Manager Improvements

- Deleted printers were not cleared from the system and they could not be reintroduced. This has been fixed. (SHARED-41939)
- Standalone Print Manager installation now installs the Software Activation Tool. (SHARED-70967)
- Applying a job history limit will now take immediate effect. (SHARED-77071)
- Multi-job mode is the recommended setting for IPDS and it has now been made the default. (SHARED-77176)

General Improvements

- Cleaned up the error messages returned by Connect Server. Messages will no longer be duplicated, and they will not have exception class prefixes, such as "ApplicationException:". (SHARED-70963)
- Improved Server side error handling when a template fails to load. As part of this improvement we also now log the template name when a template is loaded. (SHARED-71024)

REST API Improvements

- Add option to download the "*octet output file stream*" as a file for remote tests. (SHARED-42559)
- Introduced a new endpoint that can be used to retrieve a list of persisted resources. (SHARED-70071)
[GET] /rest/serverengine/filestore/resources/{type}
- 'Get Page Details for Content Set' REST API endpoint of the Content Set Entity Service has been updated to return the correct number of JSON 'pages' objects regardless of the data record size or the number of merge engines used to create a given content set entity. (SHARED-71969)
- The endpoints for HTML content creation now return status code 400 (bad request) instead of 500 (internal server error) if the template does not have a *WEB context* or if the requested section was not found. (SHARED-76296)

- Introduced a new email POST endpoint that allows callers to pass a data set ID. (SHARED-76346)
[POST] /rest/serverengine/workflow/contentcreation/email/{templateId}/{dataSetId}
- Introduced an endpoint that can be used to retrieve a report for a template (either JSON or XML). (SHARED-76535)
[GET] /filestore/template/report/{fileId} (either a numeric ID or a name)
- Resources uploaded via the REST API are now classified based on file type. (SHARED-76979)
- You can now pass runtime parameters to Content Creation endpoints. (SHARED-77102)
- The '*Download Contents of Managed Directory*' REST API endpoint of the File Store Service has been updated to correctly return a '404 Not Found' response when an invalid path is specified for the 'relPath' path parameter. (SHARED-77822)
- Added **getManagedResult** endpoint to allow the results of *AllInOne* and *Output Creation* to be retrieved as ManagedFiles. (SHARED-77997)
- With the exception of the 'Upload Data File' method, all '*file upload*' methods in the File Store REST API Service have been updated to correctly return a '400 Bad Request' error response in the event that the request submitted contains no payload/data. (SHARED-78687)
- *Unauthorized/Forbidden* access to the REST API now returns JSON rather than plain text. (SHARED-78766)

Installer Improvements

- Add a feature to the **silent installer** of Connect to allow specifying a target folder other than the default folder, using "*install.directory=xxx*". (SHARED-75669)
- **Silent installations** can now specify connecting to a database with an encrypted connection, using "*database.usessl*". (SHARED-75671)
- **Silent installations** no longer need a connection to a database to complete. (SHARED-75775)
- In the Connect installer, the **Messenger Service** is now only installed when the Designer module is selected. (SHARED-76189/76318)
- Improvements made for installations on machines where Connect failed to uninstall correctly. (SHARED-77148)

Connect 2020.2 Designer Improvements

Improved Background Image options

- The **Section Background** functionality has been updated to support image types other than PDF. This includes .png, .jpg and .tiff (including multi-page TIFFs) files. This is also supported via the Control Script API.(SHARED-72730)
- In versions of Connect prior to 2020.2, if a page had no content except for a linked DataMapper background, then Connect would consider it an "empty" page when determining whether or not to *"Omit Master Page Back in case of an empty back page"* (available as an option in the sheet configuration of a section). This has now been fixed in Connect 2020.2, and such pages are no longer considered empty. (SHARED-72588)

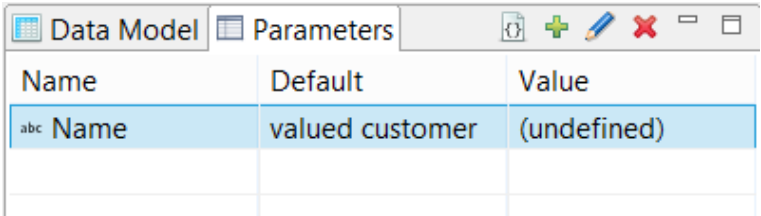
Note

This can affect the output of existing templates.

Runtime Parameters for Content Creation

Runtime parameters provide a more elegant way to pass information from Workflow into the document creation process. They were previously available for Data Mapping and Job Creation, and this version makes them available for Content Creation. (SHARED-77345)

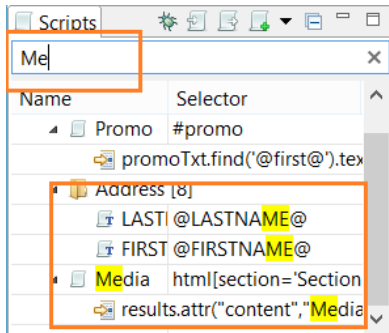
A new Parameters View has been added to the Designer, to list the available parameters, their default values and the current values set via the JSON editor of the template. (SHARED-77595)



Name	Default	Value
abc Name	valued customer	(undefined)

Scripting Improvements

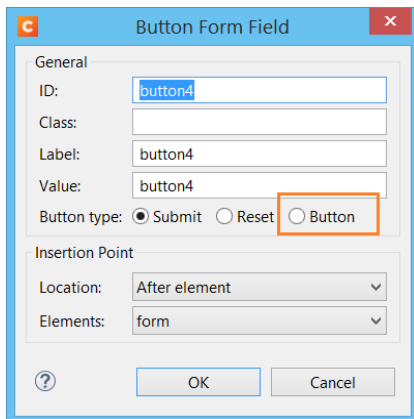
- Added ability to quickly search through script names and contents for specified text. (SHARED-60305)



- Auto suggestion improvements made for table properties in the JavaScript editor. (SHARED-70690)
- Introduced **prev()** and **next()** functions to the "results" object in our scripting API. (SHARED-70764)
- Fixed a problem with **Find Previous** in the script debugger. (SHARED-76737)
- Fixed minor issues in the script folder properties dialog. (SHARED-76996)
- Added the ability to retrieve the size of a print section or medium in any script, and the ability to change the size in a control script. (SHARED-77446)
- Fixed *results.add()* functionality. (SHARED-78447)

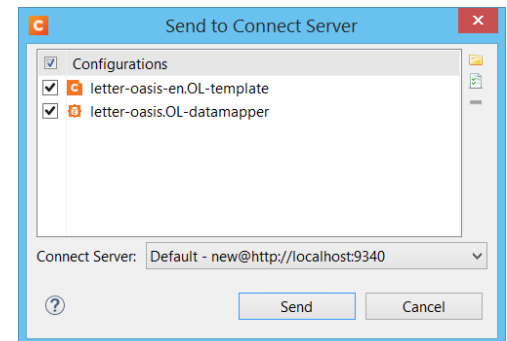
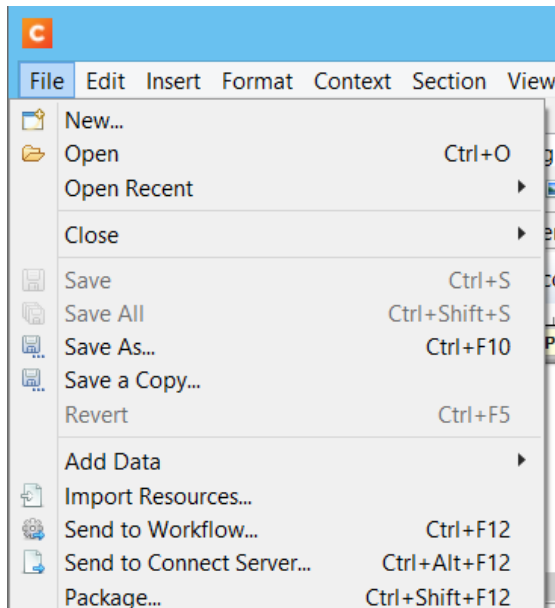
General Designer Improvements

- Inserting a *Web Form Element* > *Button* now has an option to add a new **Button** type in addition to the Submit and Reset options. (SHARED-75256)



- When the size of a print section is changed, you can now choose to "*Update linked media*" if the media is only used by that section. If it is not, then the option will not be available. (SHARED-65278)
- Holding shift while dragging boxes now drags the box in either horizontal or vertical directions. (SHARED-72158)
- Fixed failures with the '*Get Job Data File on Submit*' feature. (SHARED-72697)
- Fixed an issue with the *Export Report* function skipping Web information for some templates. (SHARED-73640)
- *Apply* button added to **Section Properties Dialogs**, which allows applying changes without closing the dialog. Clicking the *Cancel* button reverts any previously applied changes. (SHARED-74164)
- Fixed an issue with broken PDF hyperlinks that would occur when not all child elements of a hyperlink were on the same page. (SHARED-74482)
- Fixed some issues in the formatting dialog. (SHARED-74908)
- The case sensitive option of Conditional Scripts is now also available for HTML String fields. (SHARED-74970)
- Added support for multi-selections to the **Make Conditional** feature. (SHARED-76443)
- A change introduced in 2019.2 disallowed the selection of multiple elements in the Outline tree in Designer. This has now been remedied. (SHARED-76550)
- Fixed issue with *Save As...* option sometimes being disabled. (SHARED-76740)

- Fixed an issue whereby inserting a Table or Dynamic Table into a snippet would not mark that snippet as changed. (SHARED-76875)
- Introduced a new preference to control the behaviour when dragging data fields to the main editor. By default, scripts now use a class selector. (SHARED-76934)
- Introduced "*Send to Connect Server*", which can be used to upload templates and configs to Connect Server. (SHARED-77707)



- Fixed an issue where pagebreaks on the same page were ignored when a pagebreak was applied to the last row of a table. (SHARED-77946)
- Fixed an issue whereby some dates in JSON data would not resolve correctly in the Designer. (SHARED-78218)

Connect 2020.2 DataMapper Improvements

Improvements for PDF processing

- Improved search algorithm in the *data.find()* method used by the **Extract Step**. (SHARED-57386)
- Improved **GoTo step** search functionality. (SHARED-76494)
- Allow choice between the new improved search method or the old functionality (for backwards compatibility). (SHARED-77642)

JSON as new Data Type in DataMapper

In addition to the input data types already available in the DataMapper (Databases, PDF, XML, TXT/CSV files and the like), the JSON format is now also supported. As JSON is similar to XML in many ways, the information is presented in the same familiar structured way. (SHARED-77286)

General DataMapper Improvements

- Added support for resizing the height of tables in the *DataMapper Settings View*. (SHARED-75617)
- Added ability to connect to MySQL database with empty password. (SHARED-76292)
- Added *Save As* option for sample data. (SHARED-76453)
- AFP to PDF conversion issues fixed through updated 3rd party library. (SHARED-78144)
- Fixed issues with extracting Thai text from some PDF input files. (SHARED-78458)

Connect 2020.2 Output Improvements

2D Vector Barcode optimization

2D Scalable Vector Graphics (SVG) barcodes now optimized. (SHARED-77579)

This optimization includes these barcode types:

- Aztec Code
- DataMatrix
- QR Code
- Variations of the above, such as GS1 DataMatrix

True Type font handling

A major overhaul of TrueType font handling in the Connect output engine was conducted. This should help in reducing errors relating to both caching and parallel processing. (SHARED-61839)

PDF Digital Signature Improvements

- When creating a digitally signed PDF that includes a timestamp acquired from a timestamp server, Connect now automatically chooses the hash algorithm for the timestamp request.
SHA-256 is tried first and if the timestamp server does not support it, Connect then tries SHA-384, SHA-512 or SHA-1 (in that order), defaulting to SHA-256 if none are supported. (SHARED-77850/78085)
- Fixed an issue whereby the use of certain certificates would result in incorrectly signed PDF output. (SHARED-77915)

PDF Output Improvements

The PDF Output options have been substantially improved. This required a redesign of the **PDF Options** page, to provide all the new options on a single Wizard page. The various options have now been placed in logically distinct tabs.

C

Print Wizard

PDF Options

Use this page to configure PDF specific options

PDF Creation

Type: PDF

Font creation: ☒ Simple fonts when possible (smallest size) ☐ Always create CID fonts (best compatibility)

☐ Embed standard fonts

☐ Pass-through PDF resources

☐ Keep attachments

Metadata

Initial View

Digital signature

Optimize

Security

Title:

Author:

Description:

Keywords:

Keep PDF/A-3 extension schema

The improvements include the following:

- New image optimization options added for down-sampling mono, greyscale, and color images. (SHARED-75219)

This includes a new option to "*Optimize for Fast Web View*". (SHARED-75210)

Metadata

Initial View

Digital signature

Optimize

Security

☒ Optimize Images

Color Images

Compression: Retain Existing

Downsample Filter: Off

when Images PPI is above: 25

set PPI to: 50

Grey Images

Compression: Retain Existing

Downsample Filter: Off

when Images PPI is above: 25

set PPI to: 50

Monochrome Images

Compression: Retain Existing

Downsample Filter: Off

when Images PPI is above: 25

set PPI to: 50

☒ Optimize for fast web view

- Added PDF Security options. (SHARED-75213/75216)

The Security options mirror those available in Adobe PDF applications.

Metadata Initial View Digital signature Optimize Security

☒ Open Document

Password:

☒ Permissions

Allow Printing: High Quality

☒ Changing the document ☒ Document assembly

☒ Content copying ☒ Form filling

☒ Annotations and comments ☒ Screen readers (Accessibility)

Permission password:

- Improved support for processing digitally signed PDF/A-3 attachments. (SHARED-77267/78255)

You can now choose to *Keep attachments* and whether to retain PDF/A-3 extension schema metadata, in order to support production of digitally signed PDF/A-3 using that metadata.

PDF Options

Use this page to configure PDF specific options

PDF Creation

Type: PDF

Font creation: ☒ Simple fonts when possible (smallest size) ☐ Always use embedded fonts

☐ Embed standard fonts

☐ Pass-through PDF resources

☒ Keep attachments

Metadata Initial View Digital signature Optimize Security

Title: \${template.base}

Author:

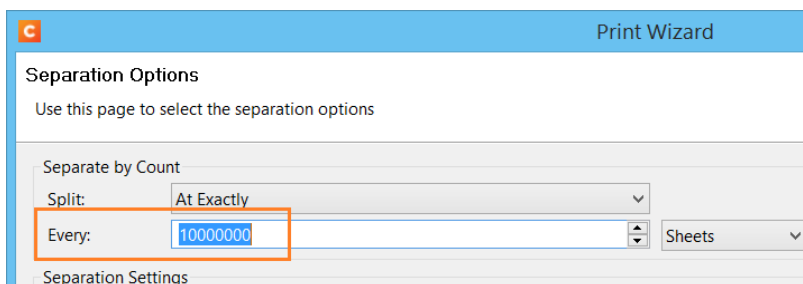
Description:

Keywords:

☐ Keep PDF/A-3 extension schema

Print Output Improvements

- Fixed issues with missing glyphs and space characters in some double-byte jobs. (SHARED-74531)
- Placeholders for missing glyphs are now output as black, allowing output to remain monochrome. (SHARED-75513)
- Fixed issues with large double-byte font jobs. (SHARED-76730)
- The upper limit for the *Separation by Count* setting in the **Separation Options** Page has been increased to 10,000,000. (SHARED-77375)



Print Wizard

Separation Options

Use this page to select the separation options

Separate by Count

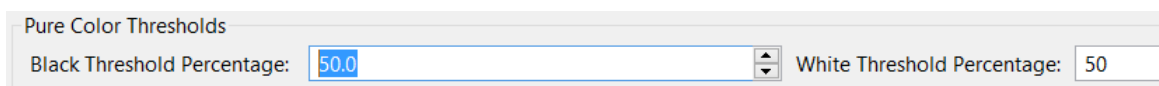
Split: At Exactly

Every: 10000000

Sheets

Separation Settings

- Optimized line drawing commands to reduce size of AFPDS output. (SHARED-77622)
- Update and improve **image support** in AFP, PCL and IPDS output. (SHARED-77716/77967/77972/77993)
- Added support for **Overlays** (these will be scaled to the needed size) to AFP output. (SHARED-77768)
- *Pattern support* setup code modified in PostScript output, so it will no longer interfere with custom *Page Device setup* from printer definitions.
- Fixed a license watermark issue in PostScript output with pages containing negative font size text. (SHARED-78076)
- Increased the limit of both **Black and White thresholds** to 50% for those print output types that support it. (SHARED-78298)



Pure Color Thresholds

Black Threshold Percentage: 50.0

White Threshold Percentage: 50

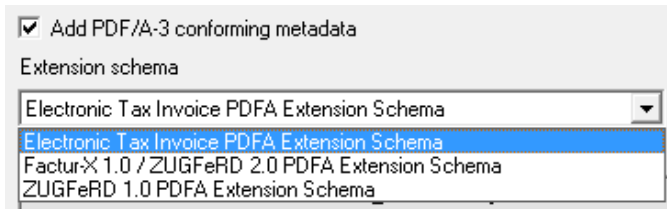
Email Output Improvements

- Improved error messaging for emails containing PDF attachments containing hyperlink images. (SHARED-76540)

Workflow 2020.2 Improvements

Thai Tax Invoice schema

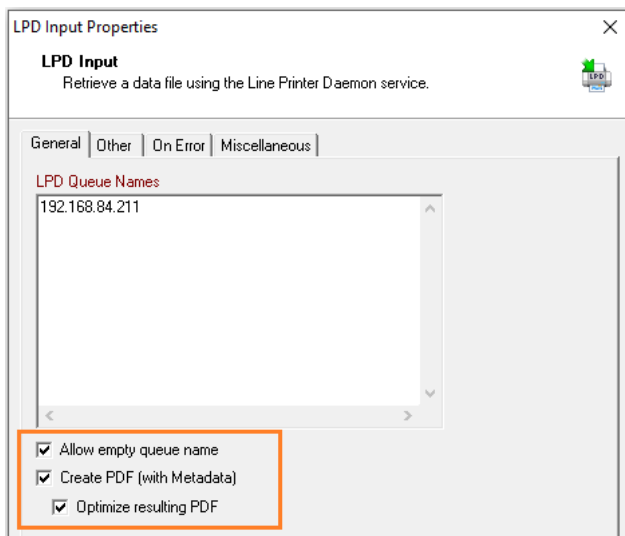
Added new Thai Tax Invoice schema to the **PDF/A-3 Attachments** task. (SHARED-78258)



Workflow Capacity Improvement

The LPD Input task has been enhanced. (SHARED-56608)

Improvements include:



- Allowing multiple queue names to be specified.
- Support added for handling empty LPR queue names.
- Allowing PDFs to be created from the input document (like the Winqueue Input task), if the input is PostScript format.

General Workflow Improvements

- Connect resources from the **Configuration Components** treeview can now be dragged and dropped into a Workflow process, automatically adding the corresponding Connect plugin. (SHARED-70313)
- **Custom Plugin** categories created via imported PPKs will now be retained when the plugin toolbar is reset to default. (SHARED-73590)
- Fixed an issue with **Emulated Data Splitter** "split by page count" producing unnecessary extra split files for CSV data shorter than the page count specified. (SHARED-74076)
- **NodeJS Server Input:**
 - POST request parameter information now included in response data. (SHARED-75081)
 - Fixed default timeout value in NodeJS input plugin. (SHARED-76061)
- Further polling improvements mean processes that have a **Trigger-based SMTP Input** now use 0% CPU cycles until an email is ready to be processed. (SHARED-75299)
- **Render Email Content** now logs any non-fatal errors that occur during processing. (SHARED-76256)
- **HTTP Server Input** now instantly triggers for *only* the processes containing the called action, when triggers are being used for those particular processes. (SHARED-76232)
- Fixed an issue in the **Mailjet plugin** whereby emails containing a *Reply To* email address would fail. (SHARED-76449)
- **M-Files plugins:**
 - Both the Download and Upload plugins were updated to use newer plugin interface. (SHARED-76497/76500)
 - New functionality allows adding extra Property Row fields. (SHARED-76655)

Note

These updates require existing M-Files nodes to be re-opened and saved for the configurations to be converted to the new version, before working correctly.

- **DocuWare plugins:**
 - Plugin now outputs *document index data* to jobfile as XML/JSON. (SHARED-77207)
 - Improved connection error messaging. (SHARED-76367)
- **Custom plugins** set as inputs can now be configured to respect the polling interval set on the process. (SHARED-77869)

OL Connect Send Improvements

OLCS Cloud Support

Cloud support added to OLCS. Customers will be able to have any number of users printing to their Cloud system through OLCS. OLCS jobs that are received by cloud licenses of Workflow are encrypted so that only cloud licensed Connect can process them. (SHARED-78158)

Improved OLCS Printer Driver download and installation

A new way of pre-configuring the installer has been introduced that simplifies the installation process. The installer can now download settings directly from a web site. This means it is no longer necessary to download multiple files and follow instructions to install. Instead, simply download the installer, copy/paste a URL in the installation wizard and the installer takes care of the rest.

Specific changes include:

- Added installation option that allows remote print providers the option to provide their customers with customised OLCS printer driver installations, which do not require customer intervention. (SHARED-75200)
- Changed the compression method, resulting in increased performance when submitting some large files. (SHARED-75205)
- Improved “silent” (unattended) Printer Driver un-installation. (SHARED-72450)
- Installer no longer replaces '*localhost*' with 127.0.0.1. (SHARED-77192)
- A print service provider can now include customer subdomains, so their customer's users will be able to print regardless of domain structure. (SHARED-77378)
- Added support for a limited number of users without domain restriction. (SHARED-77381)

Known Issues

As of PReS Connect 2018.1 the Known Issues have moved from the Release Notes to the Connect online Help.

They can be found [here](#).