



# PReS<sup>®</sup> Connect

# Release Notes

Version 2021.1.1



#### **Release Notes**

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## OL PReS Connect Release Notes 2021.1

### License Update Required for Upgrade to OL Connect 2021.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 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 2021.1.

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 <u>local</u> <u>Customer Care group</u>.

### **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 2021.1 and PReS Workflow 2021.1, as well as some important installation information.

#### Installing OL Connect 2021.1 and Workflow 2021.1

- 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 a 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 2021.1 Enhancements**

### OL Connect 2021.1.1

In the OL Connect 2021.1.0 partner preview it was discovered that dragging group data from the DataMapper into a template was sometimes throwing an error. This has been fixed in the 2021.1.1 patch release of Connect. (SHARED-82134)

#### Security Improvements

- For increased security the cookie, localstorage and indexedDB features have now been disabled for the internal browser used by the Designer and Merge Engines. (SHARED-77792)
- The **Enter credentials** dialog has been improved. Not only does it now support selecting a Server on another machine through URL selection, but the connection can now be tested from within the dialog box. (SHARED-80112)

C	Enter credentials ×								
Name:	Default								
URL:	URL: http://localhost:9340								
Ignore	e certificate errors on https connections								
Auth	nentication								
Usernar	me: olc-user								
Password:									
Save credentials									
?	Test Connection OK Cancel								
	Connected Successfully connected to the server								

### HTTPS support

As part of the ongoing effort to improve security, OL Connect Server now has the option to use and/or accept HTTPS connections from clients such OL Connect Workflow and Designer. (SHARED-78230)

Added option to define a REST Server port that is HTTPS secured. (SHARED-74997)

٥	Preferences	_ 🗆 🗙				
type filter text	Internal communicaton where the second	en using https 🔶 👻 🖇				
Clean-up Service Connections Security and Users	Adjust the settings to control co REST Services					
Database Connection Engines	Protocol: <sup>®</sup>	ttps 🗸				
Hardware for Digital Language Dugging	KOOT CERTIFICATE (Optional):	ttp ttps Browse				
Parallel Processing	Private key:	Browse				
	Private key Password: Confirm password:					
	Internal communication on	separate ports (recommended				
	REST Port: 9360					
	Advanced Maximum threads:	250				
	Maximum queues:	500				
	Maximum asynchronous tasks:	4				

### Print Manager Improvements

For IPDS printers, **Multi Job mode** is now set as the default. To disable Multi Job mode, select *Legacy mode* option. (SHARED-78768)

Extended Option	s End of Job Preferences	Error Handling Preferences				
Page Counters:	Stacked	×				
Ack Pages:	10					
SNMP						
Extended C	ptions					
Create Trace File						

#### Installer Improvements

- Both Connect and Workflow can now be installed when no internet access is available. (SHARED-79964)
- The issue with slow responsiveness in Installer component selection has been fixed. (SHARED-76902)
- On a Connect update/upgrade, the installer Welcome page now clearly displays both the currently installed version and the upgrade (update) version about to be installed. (SHARED-77819)
- You can now choose to omit the **Update Manager** from the installation, using the command line parameter UPDATEMANAGER=0. (SHARED-79761)
- Fixed an uninstallation issue caused by some Connect temporary files being set as readonly. (SHARED-79765/79838)
- Fixed an installer issue that was preventing Connect from installing on Hyper-V (and some other virtual environments other than VMware). (SHARED-79918)

#### Server Improvements

- Server extension no longer starts up a second set of server webservices. (SHARED-78669)
- Fixed some index out of bounds exceptions that were appearing in the logs from time to time when engines are restarted. (SHARED-79522)
- When the "Enable server security" checkbox preference is changed and applied a dialog now appears warning that a restart of the Server is required. (SHARED-80550)
- Server and Designer products that are set to use internal engines (not separate processes) will now no longer terminate abruptly if the security preferences for web socket authentication are not initialized in time. (SHARED-80973)

### **REST API Improvements**

- The contentcreation/{templateId}/{dataSetId} REST endpoint now accepts runtime parameters. (SHARED-79854)
- On successful authentication/login, the Authenticate/Login to Server REST API endpoints now return a "*Token-Expires-In*" response header with a value set to the expiry duration of the authorization token in seconds. (SHARED-80138)
- The standard 'JSON Error' response from the Connect Server will now always return a 'Content-Type' header with a value of "application/json". (SHARED-78633)

- Deleting managed files from the filestore via the REST API now has improved error handling to cater for files that are still required by OL Connect. (SHARED-79353)
- Submitting a "blank" password value when using basic authentication now returns a "401 Unauthorized" response rather than a "500 Internal Server Error" response. (SHARED-80641)
- The basic authentication error "No account found for" will no longer be shown in the server log when server security is disabled. (SHARED-80683)
- The basic authentication error "Bad credentials for: <username>" will no longer be shown in the server log when server security is disabled. (SHARED-80685)

### **OL Connect 2021.1 Designer Improvements**

### **Conditional Wizards**

The Designer conditional Wizard for elements and the Wizard for conditional print sections have been dramatically improved, allowing very complex rules to be created without any need for scripting. (SHARED-79806)

C					Edit So	rip	t			—		×	¢.
Name:	Conditio	onal Script											
Selector:	.alignbo	ttom.countryim	age										
	• Select	or 🔿 Text 🔾	) Sel	ecto	or and Tex	t							
Action:	Hide												~
▼ All of	the follow	wing									~	<b>+</b> •	
ii Fiel	ld 🖺 D	ueDate	<b>v</b>	Aft	er	~	202	1-05	i-31			×	
ii Fiel	ld 🛱 D	ueDate	*	Bef	ore	$\mathbf{\mathbf{v}}$	202	1-06	j-30			×	
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Į	Field	abc Country		~	Equal to			$\mathbf{v}$			Aa	×	
-		abe StreetAddre abe City	ss3	^							_		
record.fie		abc State			Date(202								^
	ord.fields[' ord.fields]	and Country			new Date	(202	1, 5, 3	30)					<b>,</b>
		™ Zip ™ Phone1											
?		abc Phone2		~	Ca	ncel			Expand		Apply	/	

### **COTG Nested Field Tables**

COTG Fields Tables now support nested (fields) tables. (SHARED-77333)

### Send to Server

The updated **Send to Server** now supports uploading configurations and templates directly to web applications (via arbitrary URL), as well as to Connect or COTG Servers.

The web server settings first need to be added via the Preferences dialog, and they will then become available as an option in the updated **Send to Server** dialog. (SHARED-80112)

C	Preferen	ices	_ □	x
type filter text	Web Applicat	ions	<p td="" ⇒<="" ▼=""><td><b>▼</b> 8</td></p>	<b>▼</b> 8
> Email	Servers:			
Emmet	Name	URL	Username	
Engines Hardware for Digital Sign	myWebServer	http://myserver	MyWebServerLogin	
Language				
▷ Logging				_
Parallel Processing				_
▷ Print				_
Project Wizards				-
Save Scripting				-
▲ Servers				
COTG Servers				
Connect Servers				
Web Applications				
⊳ Web 🗸		Destaux 5	A	
< >		Restore E	Defaults Apply	
?		Analysis	Class Canad	
(f)		Apply and	Close Cancel	

### Scripting Improvements

• Added support for selecting runtime parameters in text scripts. (SHARED-78793)

		I	Ed	it Scrip	t			—		×
Name:	Text Script									
Find text:	@FOA@									
	○ Selector	● Text ○ Select	or	and Text	:					
Prefix		Field		Format	:		Suffix			•
		abe FOA	$\checkmark$	None		$\sim$				
		parameter: Runtim	$\checkmark$	None		~				4
		GENDER LANGUAGE LASTNAME PHONE SPA LOCATION SPA PHONE STATE TYPE		^						
• Options		VISITS YOGA ZIP CODE ExtraData parameter: Runtim	٥D	aram1		Expar	ıd		Apply	
ation		parameter: Runtim								

• Added support for creating conditional rules based on runtime parameters. (SHARED-78799)

С	Edit Script	_ 🗆 🗙
Name:	Conditional Script	
Selector:	.conditional-script	
	Selector	
Action:	Hide only	~
▼ All of	the following	✓ ± ▼
I Fiel	d abc ExtraData V Equal to V	Group Data Rule
Par	ameter aver RuntimeParam1 v Equal to v	Parameter Rule
		Parameter Rule
	lds["ExtraData"] == "" ge.template.parameters.RuntimeParam1 == ""	
?	OK Cancel Expan	id Apply

- Expand dynamic tables fetched with Loadhtml(). (SHARED-80263)
- The default insert method for new search-and-replace scripts is now "Text" instead of "Html", to improve performance. (SHARED-80376)
- Fixed syntax highlighting issue with the Script keyword 'let'. (SHARED-78644)
- We now generate an error if a script tries to move an element relative to itself (which Connect does not support). (SHARED-79945)
- Fixed an issue where an incorrect selector would be generated for scripts when a datafield containing spaces in the name is dragged from the data model to the template. (SHARED-80535)
- Fixed a problem with UNC paths in the Dynamic Image Script wizard. (SHARED-81145)

**General Designer Improvements** 

- Improved Designer translations/localization. (SHARED-76798)
- JSON editors and the loadjson() function now support UTF-16 and UTF-32, in addition to UTF-8. (SHARED-74159)
- After adding an **HTML snippet** you are now prompted to select encoding (UTF-8 by default). (SHARED-78552)

• Runtime parameters can now be used to set template **Locale**. (SHARED-78787)

С	Locale	×
Use:	Parameter	~
Locale:	en-US	~
Parameter:	RuntimeParam1	~
	RuntimeParam1	
?	RuntimeParam2	
U	RuntimeParam3	

- Added validation to JSON resource editors. (SHARED-79937)
- New prompt added when dragging a field from a detail table to a location outside a detail table. (SHARED-80116)
- Add support for copying contents of an extraction field into the clipboard. (SHARED-80164)
- Can now set the Virtual Stationery of a media back to "None" by using the clear button. (SHARED-78802)
- Fixed an issue within the Source tab, whereby HTML in the source tab unintentionally contained helper elements for resizing and dragging. (SHARED-78928)
- Fixed an issue with converting a paragraph to a header1 (p to h1), in which the parameter ID would be lost. (SHARED-79022)
- Fixed an issue where the cellpadding and cellspacing values that were set directly on a table were removed after switching to Preview, if these values were not defined in stylesheets. (SHARED-79543)
- Fixed issue with the popup menu in the breadcrumbs bar. (SHARED-79727)
- Show Edges settings once again persist through view changes. (SHARED-79970)
- Fixed a problem with absolute positioned elements nested inside other absolute positioned elements. (SHARED-80003)
- Printing via the server (not proof printing) from the Designer now properly passes the runtime parameter values set in the Designer. (SHARED-81362)

### **OL Connect 2021.1 DataMapper Improvements**

#### Native JSON support

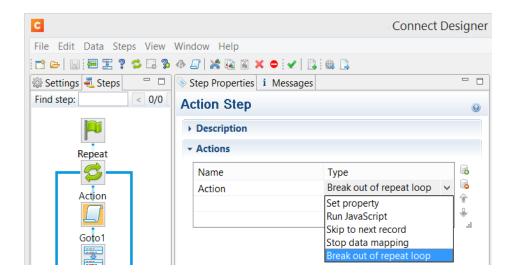
The DataMapper now supports JSON as a native data type, with no conversion required. The power of JsonPath selectors helps you streamline the data extraction process, allowing you to handle huge record sizes effortlessly. This makes designing web-based solutions much more straightforward. (SHARED-78228)

Create a new data mapping configuration and basic workflow using a JSON data file.	C New	_ <b>□</b> ×
Vizards: type filter text	Select a wizard Create a new data mapping configuration and basic workflow using a JSON data f	
type filter text	Wizards:	
Image: Property of the second seco	type filter text	
<sup>©</sup> From PDF/VT or AFP <sup>©</sup> From XML File <sup>©</sup> From databases <sup>©</sup> From databases	<ul> <li>Data mapping Wizards</li> <li>From CSV/XLSX/XLS File</li> </ul>	^
From databases	From PDF/VT or AFP	
		~
	       	Cancel

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Settings	^	JSON viewer	
✓ Input Data		# 🔗 🎲 Zoom(%) 100 🌻 🔊 😔	
<ul> <li>Use root element</li> <li>Use specific element</li> </ul>		1 V { 2 V Employees[	record [3]     I     2     D       Name     Value
Parent Element: \$.{}.Employees		3	Image: marked state state     Image: marked state       Image: marked state     Image: marked state       Image: marked state     Image: marked state
Boundaries Record limit: 200		6 firstName :"Devid" 7 lastName :"Rome"	abe Employee [{"userId":"devid"
Trigger: On Element		8 employeeCode :"E2" 9 region :"CA" 10 phoneNumber :"1111111"	
Occurrences: 1     • Data Samples		11 emailAddress :"devid.rom( 12 }	
Name employee-JSON-data.json		Step Properties i Messages	

#### Streamline repetitive actions

Added the ability to break out of a loop and move onto the next step when the desired condition has been met. (SHARED-79527)



We have also made the Goto step optional inside Repeat loops. This allows you to loop through, for instance, JSON structures without having to move the data pointer, making the operation less error-prone and more efficient. (SHARED-79524)

C		Connect Designer	r	
File Edit Data Steps V	iew Window Help			
i 🗗 🕞 🔛 🔚 🎞 📍 🞜 🛙	3 🖇 🖉   😹 🗟 🖹 🗙 🗢 🖌   📗	1 🕮 🗋		
🎡 Sett 🛃 Steps 📃 🗆	Step Properties i Messages			
Find step: <	Repeat step		0	^
	Description			
<b>P</b>	- Repeat definition			
Repeat	Repeat type:	While statement is true	~	
		1 1; ^ .		
Goto1	Maximum iterations on each line:	V		
	✓ No Goto step required	< )		
	Rule tree			
Extract All	✓ Condition			~

### General DataMapper Improvements

- Improved DataMapper translations/localization. (SHARED-76798)
- Speed improvements made for processing large transactional text data files. (SHARED-80006)
- Added helper function in JavaScript to update field values in records or to add new rows in detail tables. (SHARED-34191)
- Add support for copying contents of an extraction field into the clipboard. (SHARED-80164)
- You can now set different values in each copy of a record (specified through record.copies) to distinguish whether a record is the original or a copy. (SHARED-80372)
- Connect now tracks how many records (along with the data type) are processed for each data mapping. (SHARED-80455/80463)
- Certain AFP files containing a data matrix were being rendered incorrectly. This has been fixed. (SHARED-81406)

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### **OL Connect 2021.1 Output Improvements**

Dynamic passwords for protected PDFs

The password for opening/protecting output PDF files can now be set dynamically. (SHARED-80537)

PDF Options	
Use this page to configu	re PDF specific options
PDF Creation	
Type: PDF	<b>∀</b>
Font creation:      Simp	ole fonts when possible (smallest size) O Always create CID fonts (best compatibility)
Embed standard for	nts
Pass-through PDF re	esources
Keep attachments	
Metadata Initial View	Digital signature Optimize Security
Open Document	
Password:	\${document.metadata.password}
	✓ Password is dynamic
Permissions	
Allow Printing:	High Quality
Changing the doc	ument 🔽 Document assembly
Content copying	✓ Form filling
Annotations and c	comments Screen readers (Accessibility)
Permission password	: \${document.metadata.password}
	Password is dynamic

### **General Output Improvements**

- The stability of the Output engine has been improved. Particularly when the engine is running with low memory. (SHARED-77203)
- The output engine is now more accepting of certain invalid CFF fonts (those containing hintmask without hstemvm/vstemvm). (SHARED-76464)
- Fixed an error in the output of Unicode (3,1) cmap tables for TrueType fonts which could trigger an exception if multiple glyphs have the same Unicode mapping. (SHARED-78284)
- Fixed issues with Type 1 and CFF font glyphs. (SHARED-79973)

• Versioning has been added to font mapping files for TextRestore. To prevent problems in text extraction going unnoticed, font mapping files without a version or with a mismatching version will result in an error. Resolving those errors requires manual updating of these font mapping files. (SHARED-80568)

This change only applies to Enhance configurations run from Connect.

### Print Output Improvements

- Upgraded the Datalogics library (APDFL). (SHARED-79251)
- Fixed an issue with misleading warning messages for certain output presets when opening the production Print Wizard or Output Preset editor. (SHARED-74399)
- **Dynamic PPD rule validation** is now immediately updated after the additional elements for a selected PPD element are updated. (SHARED-77060)
- Restored **maximum stack depth** setting in the Imposition options page back to a maximum of 100,000. (SHARED-79357)
- Increased maximum paper sizes available for PostScript output. (SHARED-79433)
- The output engine now can process intermediate files (from merge engine) that are over 2 GBs in size. (SHARED-80490)
- For some output formats, such as PostScript, output creation didn't terminate for certain input files containing transparency, because Connect's transparency flattening tool was unable to process it. This has been fixed. (SHARED-81542)

### Workflow 2021.1 Improvements

#### Consolidate print processes

The name of the LPD queue that receives a job is now stored in the LPD Input task as JobInfo 6, allowing you to build a single process that can handle jobs coming from multiple queues. This feature will help you cut down on the number of distinct processes required to handle all print queues.

### **Bypass Content creation**

The **Execute Data Mapping** task can now *Bypass Content creation* to use an existing PDF as content, without requiring a template. (SHARED-80168)

eneral 🛛 OL Connect Proxy 🗎 On Error 🗎 Miscellane	ous		
ata mapping configuration			
-ile Name	Description		
None	Input is a PDF/VT file		
%0	*Dynamic description		
demo-generic-pdfinvoice.OL-datamapper	demo-generic-pdfinvoice		
demo-generic-txtinvoice.OL-datamapper	demo-generic-txtinvoice		
demo-generic-xmlinvoice.OL-datamapper	demo-generic-xmlinvoice		
nested-data-list-approach runtime param.OL-dat	nested-data-list-approach runtime param		
olc-dynamic-boundaries.OL-datamapper utput Type	olc-dynamic-boundaries		
olc-dynamic-boundaries.OL-datamapper utput Type SON Generate error when validation cannot be perfor	olc-dynamic-boundaries		
olc-dynamic-boundaries.OL-datamapper utput Type SON Generate error when validation cannot be perfor	olc-dynamic-boundaries		
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### **General Workflow Improvements**

- Improved Workflow translations/localization. (SHARED-76783)
- The **Fax Service** plugin now works with PDF/VT files created by Connect as welll as legacy PlanetPress Suite .PTK forms.(SHARED-67742)
- Script reference to "https://code.jquery.com/jquery-3.3.1.min.js" removed from NodeJS Server login page to avoid problems on secured networks without internet access. (SHARED-79298)
- The obsolete "Run from Desktop" option has been removed. (SHARED-79849)
- An option (unchecked by default) was added to the **FTP Input** plugin to grab empty files found on the FTP server. (SHARED-76175)
- Fixed periodic **NodeJS Server** connection issue when using Active Directory authentication. (SHARED-77265)
- **Messenger Service** now tries to identify issues with MS Access drivers that could prevent the service from starting. (SHARED-78450)
- Improved the SOAP timeout settings, so any value is now accepted. (SHARED-78646)
- Fixed paths issue with **Send Image to Printer** plugin. (SHARED-78705)
- Pasting attributes of **Secure Email Output** would result in plugin configuration display to forego the CRLF characters in the email body at configuration time, although it did not alter the actual plugin output. This has been fixed. (SHARED-79627)
- Fixed issue with the **SendGrid** plugin not setting the *cc* and *bcc* fields. (SHARED-79684)
- **NodeJS Server** now correctly handles requests having a Content-Type of application/json which also specify a charset encoding. (SHARED-79871)
- Improved **NodeJS Server** handling of custom response codes. (SHARED-79960)
  - Invalid HTTP Response codes are now filtered and handled properly, returning error 565 to the client.
  - A NodeJS input with the "Loop through attachments" option selected that does not receive an attached file now advises no file was found in the log and its output can be properly processed by secondary input plugins.
- Once the connection to a server is established, **Secure Email Output** plugin no longer waits indefinitely for a response and will instead raise an error after the timeout delay set by in the plugin configuration. (SHARED-79987)
- Some plugins could not be selected as default input/output in the Workflow preferences. This has been fixed. (SHARED-80014)

- If the "Use Dynamic SQL" option is used in the **Database Query** plugin, then any value in the non-dynamic ODBC location string is ignored for plugin configuration validation. (SHARED-80700)
- Improved Connect plugin performance when using server authentication. (SHARED-80834)
- Fixed issue with the **NodeJS Server Input** task not processing jobs if the action name was a superset of another action name declared previously. (SHARED-81129)
- HTTP Posts actions using the Content-Type application/x-www-form-urlencoded did not process unencoded % characters properly in an url encoded data stream. This has been fixed. (SHARED-81174)

### **OL Connect Send Improvements**

Citrix and Microsoft Terminal Services (Remote Desktop Services) support

Version 1.8 of OLCS adds support for both Citrix and Microsoft's <u>Remote Desktop Services</u> environments. (SHARED-71164/71167)

Some of the changes made to allow this include:

- The license check for **user based licenses** has been changed to distinguish between different users on the same machine/system. These are now separately counted. (SHARED-80631)
- Improvements were made so you can now get the browser pop-up when printing from a desktop on a multi-user system, for a full interactive OLCS experience. (SHARED-80443)

### **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 <u>here</u>.