

Lasernet 10.3 Release Notes.

Input and Output Management

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Lasernet 10.3.

Introduction


Welcome to the best **Input and Output Management** experience with **Lasernet 10.3**.


This document provides you with important information about the new features and applications and how to install **Lasernet 10.3**.


The Lasernet Development Team


System Requirements

Lasernet 10 has the following minimum requirements:

 Lasernet 10 requires at least 1GB of available disk space. This is for the installation only. Additional disk space will be required; the amount will vary depending on your configuration.

 You can only install Lasernet 10 on 64-bit systems.

 A minimum of two cores are required.

 A trusted certificate installed on the Lasernet Config Server 10 is recommended.

Supported Operating Systems


- Windows 8.1
- Windows 10
- Windows 11
- Windows Server 2012 R2
- Windows Server 2016
- Windows Server 2019
- Windows Server 2022

Supported Browsers

- Microsoft Edge
- Google Chrome
- Mozilla Firefox

Lasernet x64 Prerequisites


- Microsoft .NET Framework 4.8

 Please manually download and install Microsoft .NET 4.8 framework, when notified by installer, before installing Lasernet 10.

- Microsoft SQL Server 2017 LocalDB
- Microsoft OLE DB Driver 18 for SQL Server
- Microsoft Visual C++ 2019 Redistributable x64

 These components are automatically added by the installer.

- Microsoft Edge WebView2 Runtime

 During the installation, this component is automatically added / downloaded by the installer. If there is no internet connection, please manually download and install the component, before installing Lasernetet 10.

The component must be installed with administrative rights.

Important before upgrading to Lasernetet 10.3.

New Installers, Connections, Sign in and SDK from Lasernetet 10.2

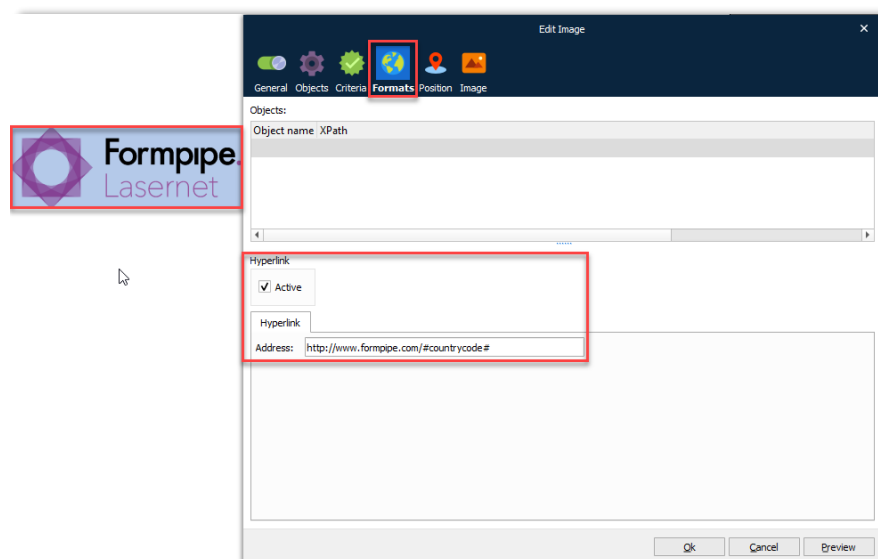
The installation procedure and the configuration procedure, in several of the client applications, have been changed from Lasetnet 10.2; there are now separate installers for Lasetnet Server 10 and Lasetnet Developer 10.

If you haven't read the release notes for Lasetnet 10.2, for how to upgrade to Lasetnet 10.2 and newer and about changes in third party modules, developed by the Lasetnet SDK, we recommend to do so, before installing this version.

Lasernet Form Editor

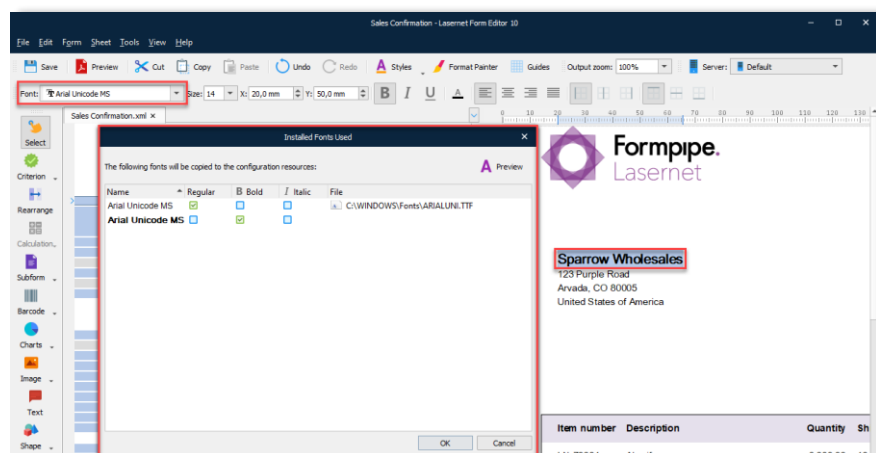
Hyperlinks in images

Support for hyperlinks added to images in PDF documents via new Image → Formats tab with hyperlink property. JobInfo values, included as a part of the URL, are supported for dynamic URL's.



Install Fonts Used

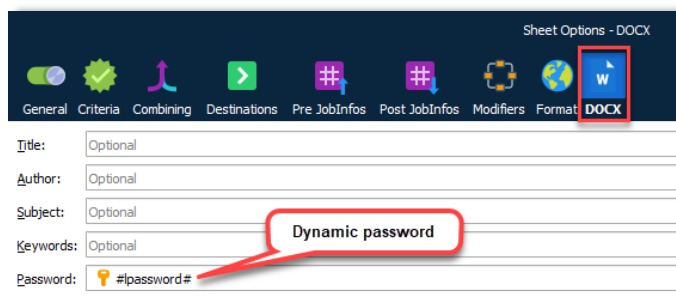
When saving existing or new forms in the Form Editor, a new Install Fonts Used dialog will pop up. The listed set of Windows fonts, used by the form, are automatically copied to the configuration resources. This is a feature to share all fonts used across users and servers where the fonts being used are not installed by default.



Encryption and password projection for documents created in the DOCX and XLSX formats

New property to insert a Password for DOCX output format added to Sheet Options → DOCX tab.

Insert a fixed password or insert a JobInfo value for creation of a dynamic password.



Sheet Options - DOCX


General Criteria Combining Destinations Pre JobInfos Post JobInfos Modifiers Format **DOCX**

Title: Optional

Author: Optional

Subject: Optional

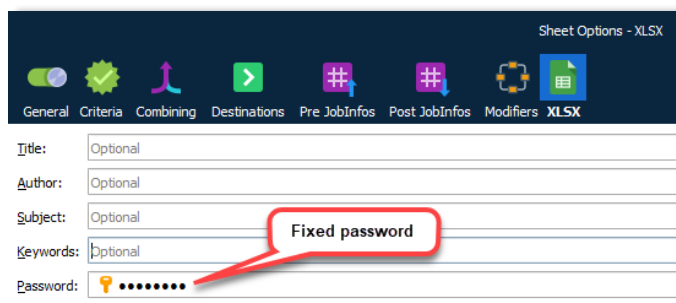
Keywords: Optional

Password:  #password#

Dynamic password

New property to insert a Password for XLSX output format added to Sheet Options → XLSX tab.

Insert a fixed password or insert a JobInfo value for creation of a dynamic password.



Sheet Options - XLSX


General Criteria Combining Destinations Pre JobInfos Post JobInfos Modifiers **XLSX**

Title: Optional

Author: Optional

Subject: Optional

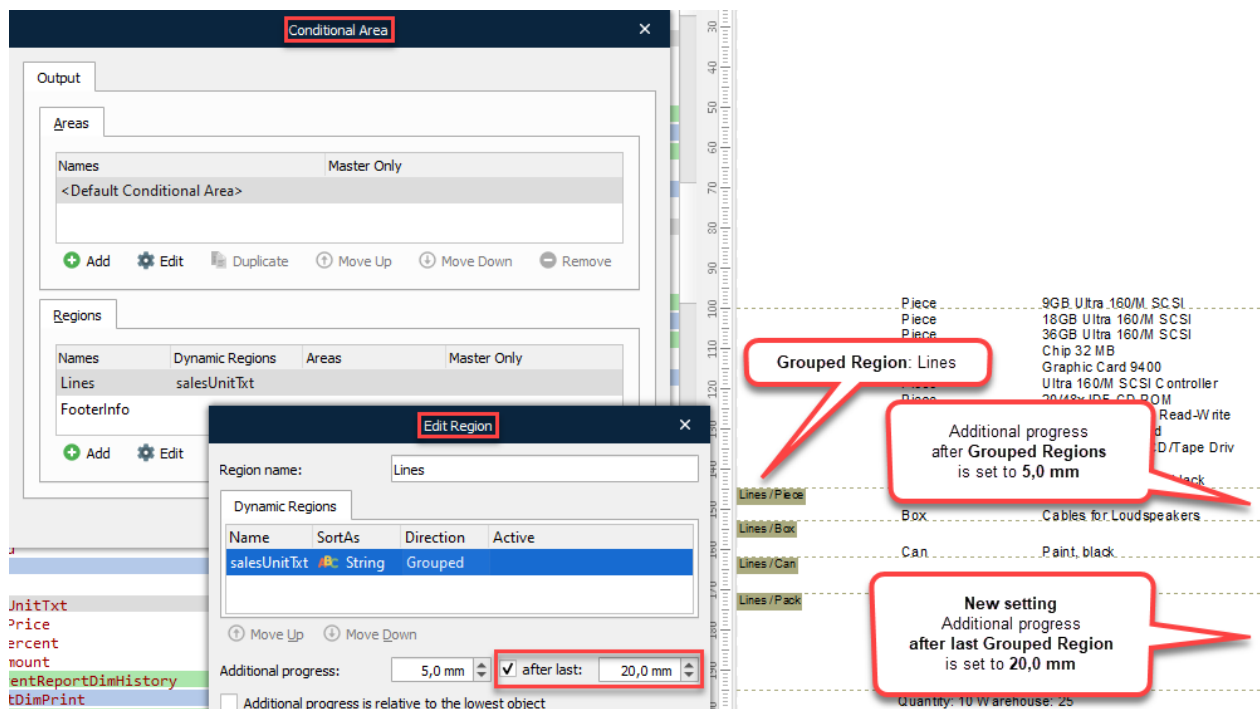
Keywords: Optional

Password: 

Fixed password

Additional progress after last Region

A new property is added to set an additional progress **after last** Region in a Dynamic Region. This will offer a more flexible layout where additional information, totals or shapes, requires extra space to fulfill the requirements for the form layout.



Conditional Area

Output

Areas

Names Master Only

<Default Conditional Area>

+ Add Edit Duplicate Move Up Move Down Remove

Regions

Names Dynamic Regions Areas Master Only

Lines salesUnitTxt

FooterInfo

+ Add Edit

Edit Region

Region name: Lines

Dynamic Regions

Name	SortAs	Direction	Active
salesUnitTxt	String	Grouped	

+ Move Up - Move Down

Additional progress: 5,0 mm ☒ after last: 20,0 mm

☐ Additional progress is relative to the lowest object

Grouped Region: Lines

Additional progress after Grouped Regions is set to 5,0 mm

New setting
Additional progress after last Grouped Region is set to 20,0 mm

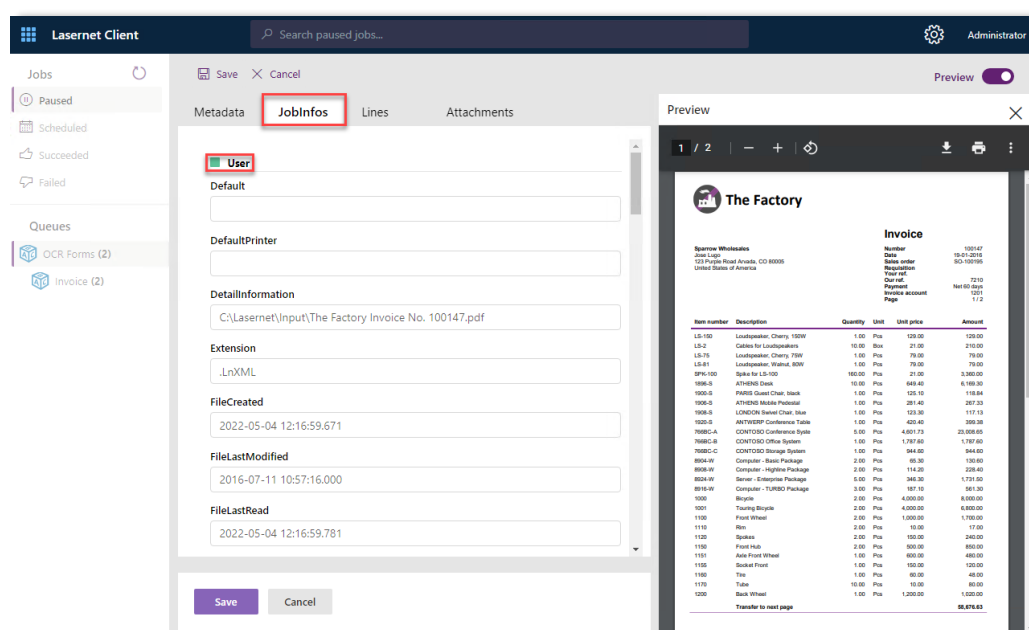
Quantity: 10 Warehouse: 25

Lasernet Web Client

Support for viewing user and system JobInfos

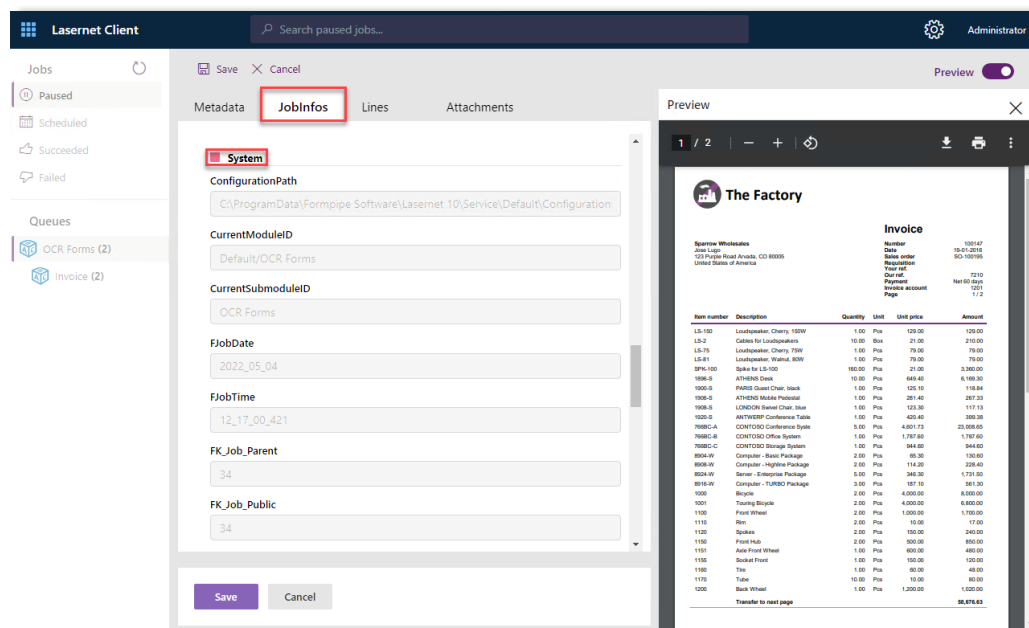
Similar to Lasernet Client app you can now edit system JobInfo's stored in read/write mode or view JobInfo's stored in read-only mode.

This is a tool often used by developers and administrators of Lasernet to analyze and edit JobInfos for failed jobs or validate that JobInfos temporary stored in paused or scheduled jobs are set with expected values.



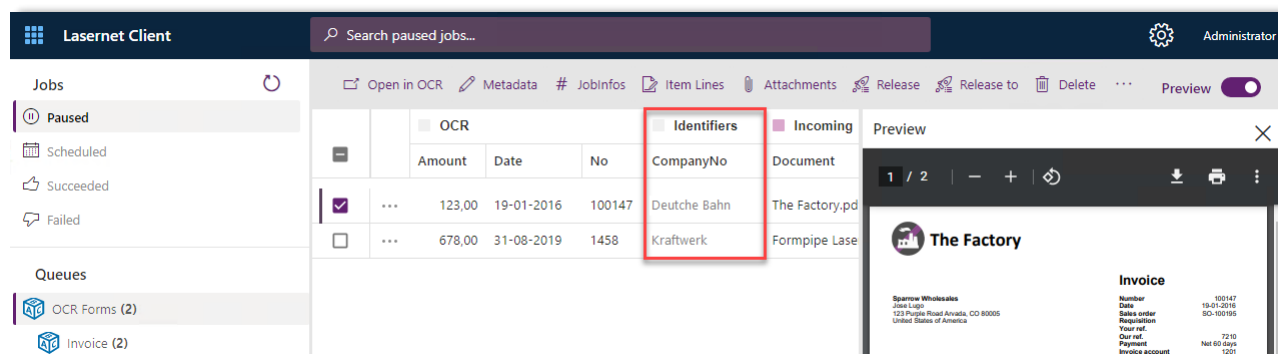
The screenshot shows the Lasernet Client web interface. On the left, there's a sidebar with 'Jobs' (Paused, Scheduled, Succeeded, Failed) and 'Queues' (OCR Forms (2), Invoice (2)). The main area has tabs for 'Metadata', 'JobInfos' (selected), 'Lines', and 'Attachments'. The 'JobInfos' tab shows fields for 'User' (highlighted with a red box), 'Default', 'DefaultPrinter', 'DetailInformation' (containing 'C:\Lasernet\Input\The Factory Invoice No. 100147.pdf'), 'Extension' (containing '.LnXML'), 'FileCreated' (2022-05-04 12:16:59.671), 'FileLastModified' (2016-07-11 10:57:16.000), and 'FileLastRead' (2022-05-04 12:16:59.781). A 'Preview' window on the right shows an invoice from 'The Factory' with a table of items and their amounts.

Item number	Description	Quantity	Unit	Unit price	Amount
LS-100	Loudspeaker, Cherry, 150W	1.00	Pcs	120.00	120.00
LS-2	Cables for Loudspeakers	10.00	Bks	21.00	210.00
LS-75	Loudspeaker, Cherry, 75W	1.00	Pcs	70.00	70.00
LS-81	Loudspeaker, Walnut, 80W	1.00	Pcs	70.00	70.00
SPK-100	Speaker for LS-100	10.00	Pcs	21.00	210.00
1896-S	ATHENS Desk	1.00	Pcs	649.40	649.40
1906-S	ATHENS Mobile Protocol	1.00	Pcs	201.40	201.40
1908-S	ATHENS Mobile Protocol	1.00	Pcs	117.13	117.13
1920-S	ANTHONY Conference Table	1.00	Pcs	399.36	399.36
7680C-A	CONFORD Office System	1.00	Pcs	1,787.60	1,787.60
7680C-C	CONFORD Storage System	1.00	Pcs	944.60	944.60
8904-W	Computer - Basic Package	2.00	Pcs	65.30	130.60
8906-W	Computer - Original Package	2.00	Pcs	114.20	228.40
8924-W	Server - Enterprise Package	5.00	Pcs	348.30	1,741.50
8916-W	Computer - TURBO Package	3.00	Pcs	167.10	501.30
1000	Bicycle	2.00	Pcs	4,000.00	8,000.00
1001	Tramway Bicycle	2.00	Pcs	4,000.00	8,000.00
1100	Front Wheel	2.00	Pcs	1,700.00	3,400.00
1110	Rim	2.00	Pcs	10.00	20.00
1120	Spokes	2.00	Pcs	500.00	1,000.00
1130	Front Hub	2.00	Pcs	500.00	1,000.00
1140	Rear Hub	2.00	Pcs	500.00	1,000.00
1150	Socket Front	1.00	Pcs	100.00	100.00
1160	Tire	1.00	Pcs	80.00	80.00
1170	Tube	1.00	Pcs	10.00	10.00
1200	Back Wheel	1.00	Pcs	1,200.00	1,200.00
Transfer to next page					38,676.83



Support for Identifiers

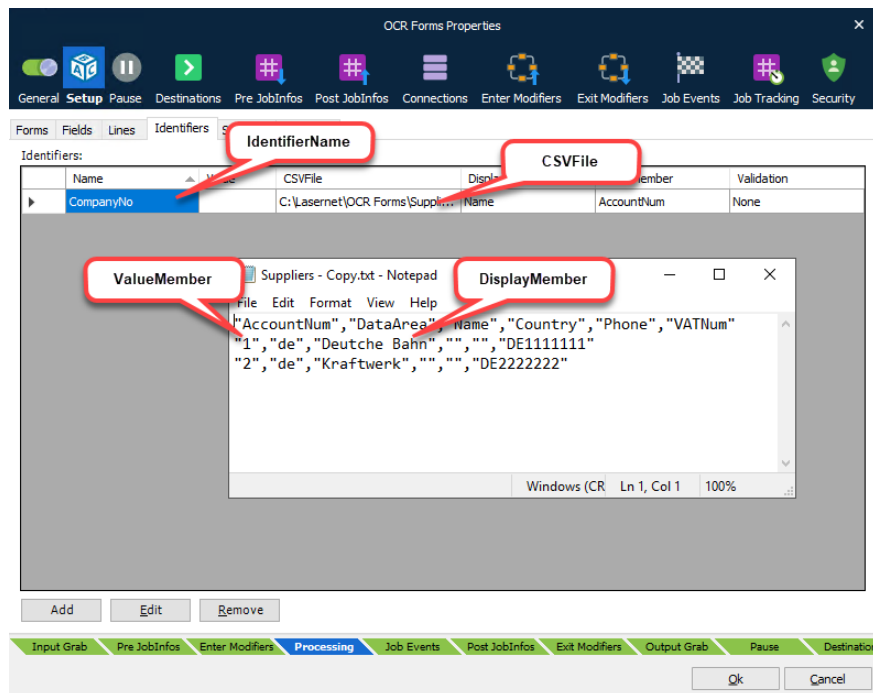
Similar to Lasernet Client app you can now add and edit Identifiers for jobs temporary stored in an OCR Engine queue from the Lasetnet Web Client.



The list of value, to be selected and inserted in to an Identifier field, are retrieved from CSV file assigned to an OCR Engine on the Lasetnet Server.

The solution is enhanced, for both the web and client app, to support insertion of any field (ValueMember) stored in the CSV file and to show the content for the field selected as the DisplayMember. In previous versions the value for an Identifier was restricted to the first column only.

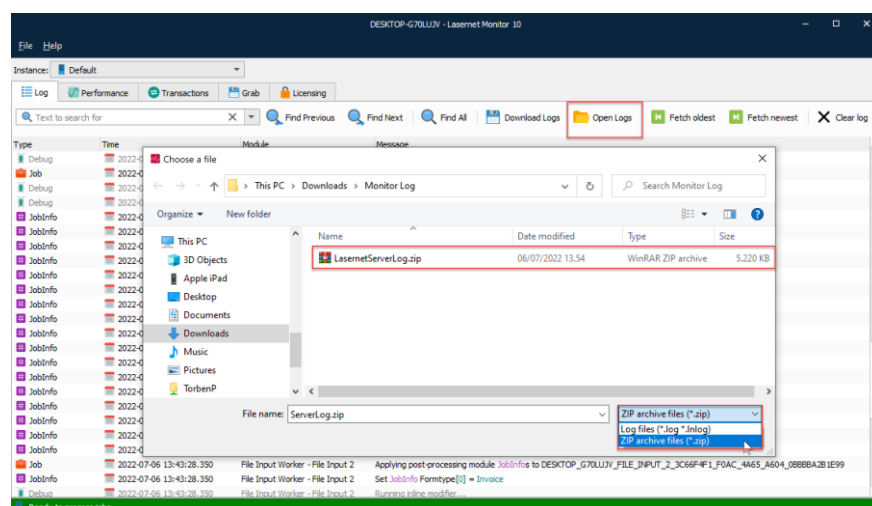
The feature is supported both by Lasetnet Client app and web.



Lasernet Monitor

Open Logs is a new feature where you can open log files downloaded from disk in either the .zip (multiple log files) or .Inlog (single log file) format.

This will help you to Search, Find and Filter messages and to analyze old log files, downloaded from a Lasernet Server, in the Lasetnet Monitor.

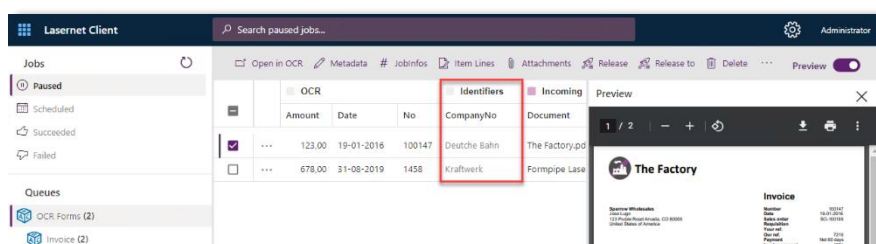


Performance, Transactions, Grab and Licensing information are not accessible when a log file is opened from disk. You can anytime connect to a Lasetnet Server, by selecting an accessible server instance, to start receive real-time log.

Lasernet Input Management

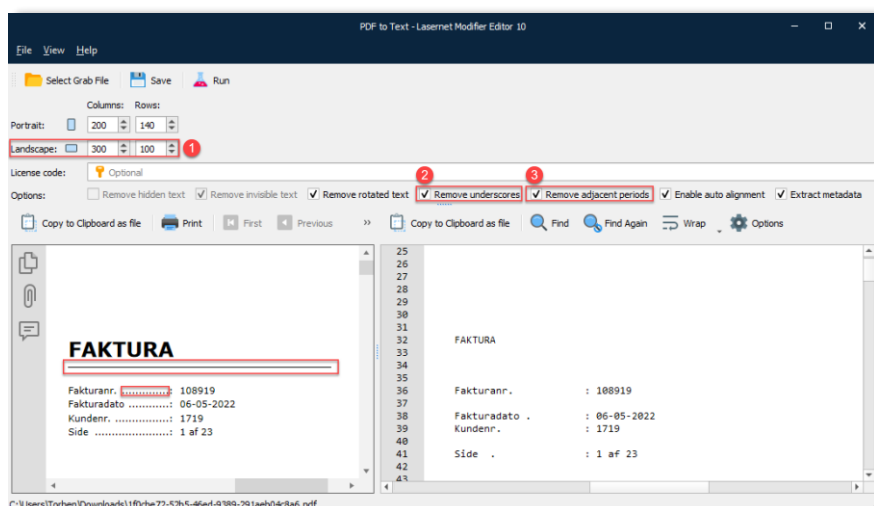
Identifiers

With the support for identifiers, newly added to the Lasernet Web Client, the functionality is now fully compliant with Input Management and features also supported by the Lasernet Client app.



PDF to Text

In the PDF to Text modifier, used for extraction of text data embedded in PDF documents, we are introducing two new features and changed a default setting to improve the quality of extracted data for processing of OCR Forms.



Landscape

Added a new feature to detect landscape in PDF documents and set specific values for rows and columns in landscape vs. portrait mode.

Note: Default values can cause none backward compatibility in documents running in landscape mode. Set landscape values to same values as portrait for 100% backward compatibility when upgrading from older versions

Remove underscores

This is not a new feature, but "Remove underscores" is now activated as default value when adding new modules to configuration

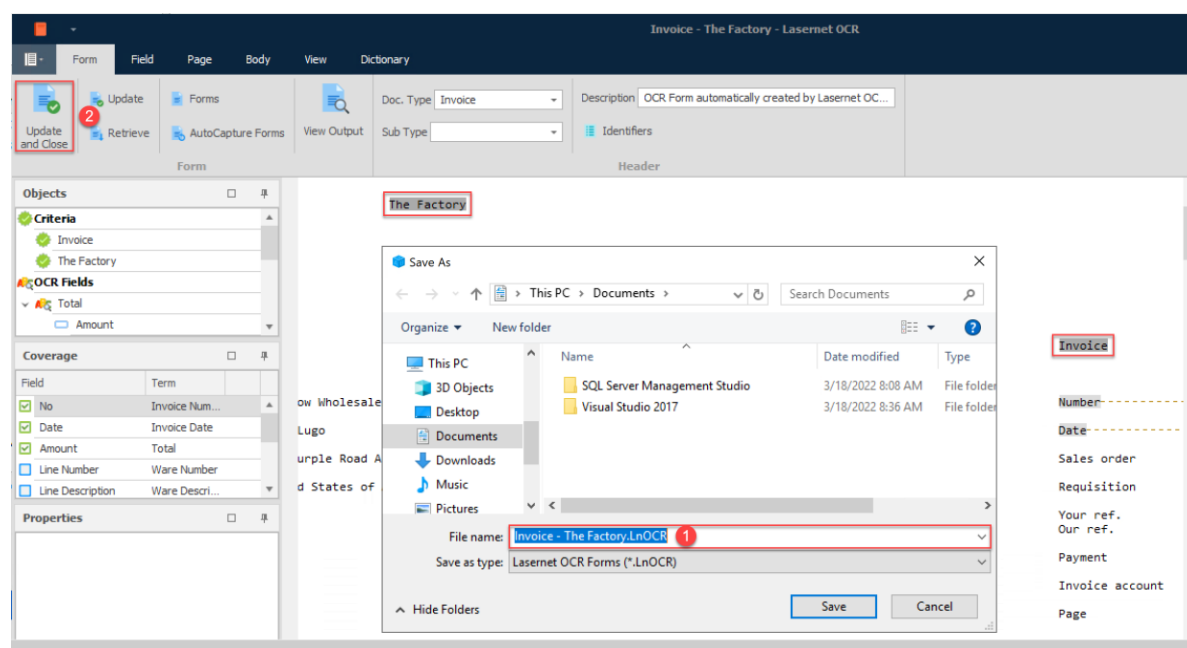
Remove adjacent periods

Added new feature settings to remove adjacent dots in documents. Default value (active) can cause none backward compatibility in documents with adjacent dots.

Deactivate this setting for 100% backward compatibility when upgrading from older versions

Lasernet OCR Editor

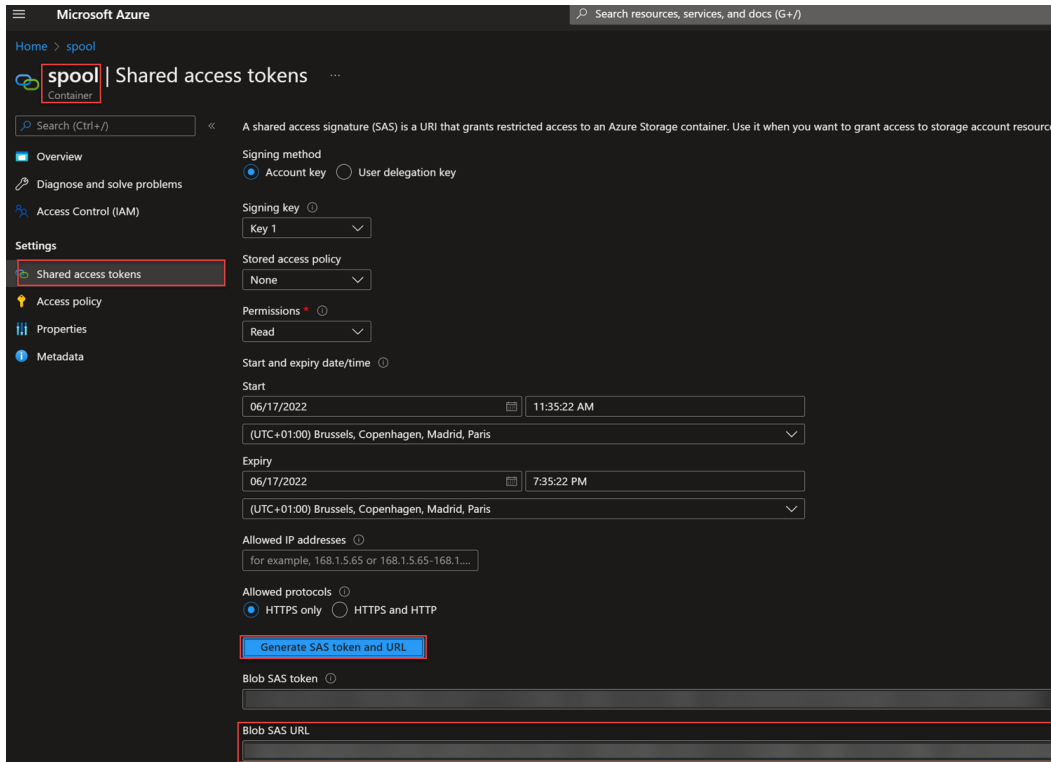
Introducing an easier creation of file names when selecting **Save as** to save a temporary copy of OCR Forms to disk. Criteria in OCR Forms are now used to suggest the file name.



Introducing a new **Update and Close** button, to reduce the number of clicks when you want to update the form and close the OCR Editor in the same moment.

Azure Storage

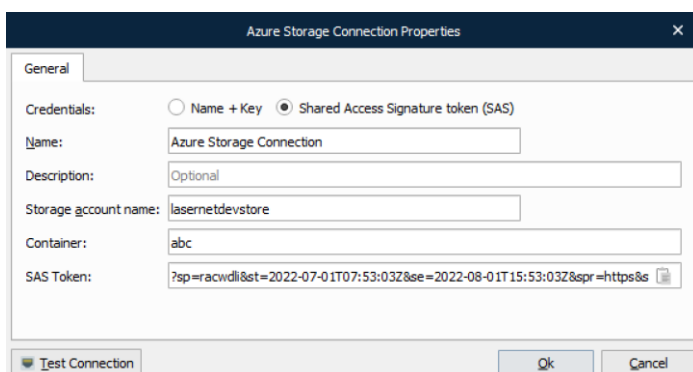
By adding support for SAS keys from Container, instead of Storage only, you can now limit the rights to the entire storage.



The screenshot shows the Microsoft Azure portal interface for a storage container named 'spool'. The 'Shared access tokens' settings are displayed. The 'Signing method' is set to 'Account key', and the 'Signing key' is 'Key 1'. The 'Stored access policy' is 'None', and the 'Permissions' are set to 'Read'. The 'Start and expiry date/time' section shows a start date of '06/17/2022' at '11:35:22 AM' and an expiry date of '06/17/2022' at '7:35:22 PM'. The 'Allowed IP addresses' and 'Allowed protocols' (HTTPS only) are also configured. The 'Generate SAS token and URL' button is highlighted in blue.

Set the required **Permissions** for the **Container** on the **Microsoft Azure Portal** for your **Azure Storage Container** and click **Generate SAS token and URL**.

Copy the **Blob SAS URL** to the **SAS Token** in the **Azure Storage Connection** properties in the **Lasernet Developer** to limit the rights to the entire storage.

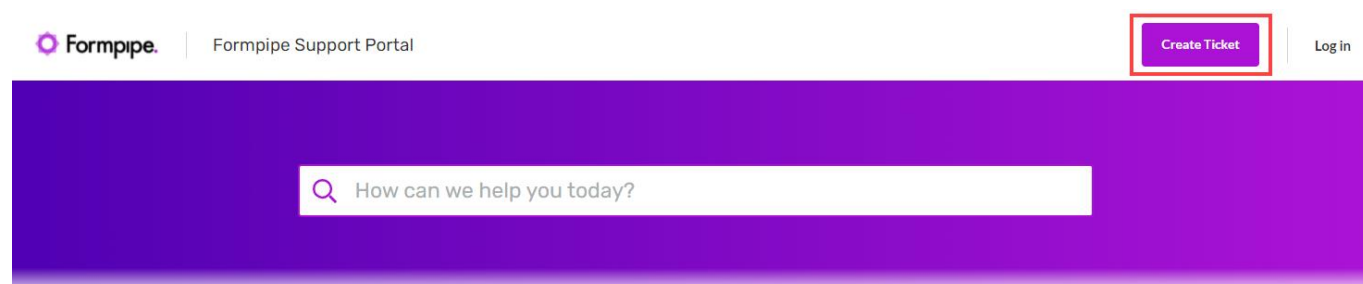


The screenshot shows the 'Azure Storage Connection Properties' dialog box in the Lasernet Developer. The 'General' tab is selected. The 'Credentials' section has 'Shared Access Signature token (SAS)' selected. The 'Name' field is 'Azure Storage Connection', the 'Description' is 'Optional', the 'Storage account name' is 'lasernetdevstore', and the 'Container' is 'abc'. The 'SAS Token' field contains the generated token: '?sp=acwdli&st=2022-07-01T07:53:03Z&se=2022-08-01T15:53:03Z&spr=https&s'. The 'Test Connection' button is highlighted.

Maintenance Report.

The following fixes and enhancements are included with this version of Lasernet.

If you encounter difficulty while using Lasernet, please contact us via the **Create Ticket** button in the support portal.



Internal Ref.	External Ref.	Area	Details	Status
264507		Azure Storage	Added support for using SAS keys on container level	Feature enhanced
290863		Client app	Optimized speed when fetching job by only loading Identifiers list when selecting the Identifiers column	Feature enhanced
296540		Client app	Added a splash screen at start up	Feature enhanced
303583		Client app	Changed date, number and amount fields in grid to be strings (already supported by web client).	Feature enhanced
292636		Client web	Added support for viewing user and system JobInfos (already supported in client app)	Feature enhanced
292876		Client web	Added support for editing of identifier values (already supported in client app)	Feature enhanced
303522, 304038, 305093	24435, 25201, 26262	Client web	Fixed that JobInfo with an empty value, set from a JobInfo Profile, were not editable	Fixed
297934		CSV	Added support for CSV input with files including a BOM character	Feature enhanced
275711		Form Editor	The used fonts are automatically extracted from forms and saved into the configuration in resources/fonts	Feature enhanced
276685		Form Editor	Added a new behavior to set an "Additional progress after last" Region	Feature enhanced
280629		Form Editor	Support for hyperlink added to images in PDF documents with EMF as source	Feature enhanced
287561		Form Editor	Added password support to XLSX output format	Feature enhanced
287562		Form Editor	Added password support to DOCX output format	Feature enhanced
224154		Form Editor	Improved navigation with arrow keys in in-line edit mode for objects having a mix for rearranges and fixed text	Feature enhanced

Internal Ref.	External Ref.	Area	Details	Status
296866		Form Editor	Changed the behavior for "Select last Grab file from server F12" functionality to use server selection in toolbar instead of a pop-up to define which server to get the files from.	Feature enhanced
293640		Form Editor	Remove bitmap and printer specific reference fonts from the font selection list	Feature enhanced
276685		Form Editor	Added a new behavior to set an "Additional progress after last" Region	Feature enhanced
303186		Form Editor	Fixed a crash when selecting any type of 1D barcode and the current barcode was of type 2D	Fixed
307362	26380	Form Editor	Fixed a crash led by processing of XHTML rearranges	Fixed
293829		HTTP Output	Added a new property to set an empty body for HTTP POST/PUT requests	Feature enhanced
293490		Developer	Improved handling of initial column sizes by automatically resizing to content	Feature enhanced
294329		Developer	Improved speed in UI when working with configurations having many objects	Feature enhanced
294068		Developer	Optimized loading of preview widget for phrases	Feature enhanced
295702		Developer	Validator is improved to show none valid destinations in a sheet added to form	Feature enhanced
288471		Developer	Moved the "Import grabs" feature from Server settings to Resources	Feature enhanced
286736		Developer	Added the type of sheet output to the Forms Details view	Feature enhanced
296874		Developer	The dialog to select a server instance in a configuration with multiple instances, will now pop-up every time, when a connection is tested in a module	Feature enhanced
294396		Developer	Fixed order of imported objects, to guarantee that Form Engine objects are imported before form objects	Fixed
294395		Developer	Fixed some issues when importing large configurations (>500 mb)	Fixed
305445		Meta app	Warning message in preview windows was missing when print job was too large to be processed by Meta app	Fixed
305096		Meta app	Fixed an issue where large input files were polled multiple times from disk	Fixed
297047		Monitor	Added a new featured to Open logfile in (app only) to view a copy of a downloaded log from server	Feature enhanced
296542		OCR Editor	Added a suggestion for filename when saving an OCR Form to disk	Feature enhanced
296540		OCR Editor	Added a splash screen at start up	Feature enhanced
298055		OCR Engine + Client app / web	Added support to show either DisplayMember and ValueMember for Identifiers	Feature enhanced
298958		PDF Security	Changed the title for PDF Producer to Formpipe Lasernet x.x (PDF Security API x.x.x.x)	Feature enhanced
296898		PDF to Text	Added a new feature to detect landscape in PDF documents and set new values for rows and columns. Default values can cause none backward compatibility in documents running in landscape mode. Set landscape values to same values as portrait for backward compatibility when upgrading from older versions	Feature enhanced

Internal Ref.	External Ref.	Area	Details	Status
296914		PDF to Text	Added new feature settings to remove adjacent dots in documents. Default value (active) can cause none backward compatibility in documents with adjacent dots. Deactivate this setting for backward compatibility when upgrading from older versions	Feature enhanced
297024		PDF to Text	"Remove underscores" is now activated as default value when adding new modules to configuration	Feature enhanced
305574		Printer Output	Potential fix for printing issue to network printers with restricted user rights – "Error given by system: Access is denied"	Fixed
267927		Printers and profiles	Changed default scale mode to Actual Size, when printing PDF documents via Printer modules, and added a new JobInfo 'PrintPDFFitToPage' to set "allow fit / shrinked", which was the old default behavior	Feature enhanced
299020		Server	New default value for ModifierFailed JobInfo is set to Log instead of NoLog	Feature enhanced
298971		Server	Fixed a crash in service caused by database cleaner, when backup for MS SQL Server LocalDB (Embedded) was set to "On Service Startup"	Fixed
302085		Server	Fixed a race-condition when multiple web clients request module icons	Fixed
303169	27008	SharePoint	Added support for getting throttled or blocked by SharePoint Online, when sending delete requests, because of extensive traffic to endpoint via Graph API	Fixed
297607		Web Server	Added support for JobInfo Substitution for server certificate settings on Web Server Input port	Feature enhanced