Lasernet 10 Changelog.

Input and Output Management

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Formpipe.

Contents.

Introduction.

This document summarizes the features and fixes included in each Lasernet 10 series software release, starting with the most recent.

Lasernet 10.10.4.

Maintenance Report

Internal Ref.	External Ref.	Area	Details	Status
458469		Azure Storage	A null object error occurs when adding a local connection to an existing Azure Storage Blob command.	Fixed
462569		Outlook Mail Module	When using the MailFrom JobInfo in Lasernet, there is an issue with **SendOnBehalf** in the Outlook Mail Output module.	Fixed

Lasernet 10.10.3.

Maintenance Report

Internal Ref.	External Ref.	Area	Details	Status
449582		Azure Storage	Implemented security and performance improvements by updating the Microsoft library to the latest version.	Enhancement
458482		Azure Storage	The test connection for embedded container and queue connections always succeeds, even if wrongly configured.	Fixed
457585		Azure Storage	Azure Storage Queue modifiers download the body message in Base64 string instead of text.	Fixed
458422		Azure Storage	Inserting a message using a modifier changes the job data to base64 so that the output file is encoded.	Fixed
459528		Scripting	Appending a few variations of the values in scripting results in errors.	Fixed
458848		Mail Module	The Chilkat library encounters issues due to an expired license.	Fixed
459468		Mail Module	Trying to test the connection to IMAP returns an error.	Fixed
456252		Mail Module	The race condition causes errors, stating that previous calls to the Chilkat `unlockBundle` have failed.	Fixed
458249		Outlook Mail Module	Sending an email on behalf of someone fails to work.	Fixed

![Formpipe.]

Lasernet 10.10.2.

Maintenance Report

Internal Ref.	External Ref.	Area	Details	Status
450606		Printer Service	Added support for Shared Access Signature (SAS) authentication with Azure Storage. The SAS connection properties can be configured in the Config Server, or the Printer Service module and the Printer Service app can read SAS connection properties from JobInfos.	Enhancement
451785		Azure Storage	From Lasernet 10.10, the Azure Storage Input module and the Azure Storage modifier could set the following JobInfos. From Lasernet 10.10.2, the Azure Storage modifier no longer sets them: • FullFilename • Filename • FilenameWithoutExt • Extension • Filesize	Enhancement
451568		Azure Storage	Development Storage functionality for Azure Storage was not supported in Lasernet 10.10 and later.	Fixed
451568	42457	Azure Storage	Inserting a message in the Azure Storage Queue resulted in an encoding error.	Fixed

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Maintenance Report

Internal Ref.	External Ref.	Area	Details	Status
449098		Azure Storage	Added support for JobInfo substitution in SAS token settings where the JobInfo values originate from an incoming job. This builds on enhancement 446402 added in Lasernet 10.10, which added JobInfo substitution in SAS token settings where the JobInfo values are server JobInfos.	Enhancement

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Maintenance Report

Internal Ref.	External Ref.	Area	Details	Status
439991	40448, 40758, 40690, 40811	Azure Service Bus	Throttling support has been enhanced to improve message handling during heavy loads, and a few logger messages have been changed from an error state to a debug state.	Enhancement
441293		Azure Storage	Microsoft Entra ID is supported in Azure Storage modules.	Enhancement
446402		Azure Storage	SAS token settings include support for JobInfo Substitution.	Enhancement
443991	41442	Developer	Parallel commits on the same configuration unintentionally remove objects stored as resources.	Fixed
446045		Developer	While adding a new command, the default connection type is no longer set to **#DatabaseConnection#**.	Enhancement
442836		Form Editor	Opening an XLSX template loads more than the first sheet.	Fixed
446033	41521, 41706	LnLogin	A VMWare update to the graphics driver 12.5.0.24276846 from 12.4.5.23787635 causes a crash when using OpenGL. This has been improved so that C:\Program Files\Common Files\Formpipe Software\Lasernet 10\AppLauncher\LnLogin.exe -developer -noopengl can pass the parameter -noopengl to the Lasernet Developer to prevent a crash by deactivating the forced OpenGL rendering of graphics in the Lasernet Developer.	Enhancement
441757	41003, 41189	Job Engine	When a user selects all jobs and opts to either release, reschedule, or remove them from the Lasernet Client, the Lasernet Server will execute the SQL process using multiple commands. Instead of processing all jobs at once, it will release them in batches of 50. This approach is intended to prevent the server from encountering the error "SAException (NativeCode=-2147217842, Text=Operation was canceled)" during periods of heavy load.	Fixed
442792		Package	Package **System.Text.Json 6.0.5**, used to parse identifiers for Input Management in the Lasernet Client and Lasernet OCR, had a high-severity vulnerability. It has been updated to 6.0.10.	Fixed

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Maintenance Report

Internal Ref.	External Ref.	Area	Details	Status
426880	39015	Barcode Reader	Extended the module to support page settings in PDF input.	Enhancement
413182, 415871		Config Server	It is possible to set the Admin user's permissions to deny them access to the Security Roles area.	Fixed
429733	39174	Config Server	The **Revision** column in the **Deploy Configuration** window is sorted in a random order.	Fixed
420754		Developer	Inactive form thumbnails are not hidden when **Toggle hide inactive** is selected.	Fixed
420893		Developer	Cannot click **Cancel** in various objects' **Properties** window if **Name** is empty.	Fixed
420812		Developer	The column for inactive phrases cannot be sorted.	Fixed
420932		Developer	Removed the Mixed item from the Flag dropdown list for form, subforms, and phrases (because it was not a supported value).	Fixed
435024	40116	Developer	Performance issue when **Description** column is set to auto-resize for a list of forms.	Fixed
429400		Developer	The object list filter in the export tool prevents the export of any already-selected objects that are hidden because they do not satisfy the filter.	Fixed
429963, 432610		Developer	Optimized speed when opening a regional profile in a configuration that has many regional profiles and forms.	Enhancement
420478		Developer	An `Object does not exist` warning appears when a script function is selected and properties are changed in the property editor.	Fixed
420782		Form Editor	A crash occurs when inserting an EMF image from the **Choose an image file** tool.	Fixed
435599		Form Editor	After a drag and drop of an image from the `Resources` > `Image` folder, the reference to an image object contains the full path instead of the image name.	Fixed
437494	40134	Form Editor	Escape characters for JSON strings are not correctly parsed.	Fixed
433633	39899	Form Editor	If a server-level JobInfo is used in criteria for a rearrange on a subform, that criteria is never satisfied.	Fixed
435607	40169	Form Editor	If the string in a rearrange contains a newline character, and the Font Point Size feature is in use, resizing the text box does not auto-change the font size.	Fixed
437993	39152	Form Editor	Implementation of the `substring-before` and `substring-after` XPath functions is incorrect.	Fixed
434745	40078	Form Editor	Some keyboard behaviors in the user interface are incorrect.	Fixed
410273		Form Editor	If a change made to a shape style profile is previewed and then the window is closed, the change is saved rather than discarded.	Fixed
415301	37748, 37283	Form Editor	Sheets are still combined when the output format of a sheet is changed from EMF to (for example) PDF.	Fixed
429842		Form Editor	Particular XPath expressions that use built-in String functions may return a Boolean `true` instead of an empty string.	Fixed
424604	38609	Installer	Updated the bundled Microsoft OLE DB Driver 18 for SQL Server from version 18.6.7 to 18.7.2 due to a possible security vulnerability.	Fixed
432418	37315	Outlook Mail	Added support for error codes and reasons when a job fails.	Enhancement

Internal Ref.	External Ref.	Area	Details	Status
421524	38196	Printer Output / Printer Service	Added support for printing multiple copies of DOCX and PDF documents as the primary job by setting the `Copies` JobInfo. The feature was previously supported for attachments only.	Enhancement
424003	38586	XML Transformer Editor	An **Error executing action** message can appear when running a modifier.	Fixed
435466	40172	XML Transformer Editor	Expressions such as `concat()` convert HTML reserved characters within text into XML entities.	Fixed
423131		XML Transformer Editor	The **Close Tab** context menu item is active when no grab files are loaded.	Fixed
437122	40366	Scripting Printer Service	Modified `getPrinterProfiles()` to return printers that have only the Default printer profile.	Enhancement

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Maintenance Report

Internal Ref.	External Ref.	Area	Details	Status
432135		SFTP Input	Added support for "strict kex extension".	Enhancement

Lasernet 10.8.

Maintenance Report

Internal Ref.	External Ref.	Area	Details	Status
408994		Config Server	Fixed an issue that made it possible to remove the system Administrator group.	Fixed
405355		Developer	Fixed an issue where the **Help** > **Reset Help** menu item did not restore previously dismissed help text overlays to the application.	Fixed
405613		Developer	Fixed an issue where **Duplicate** was available in the right-click menu for the **Master** server (in the main area of the window when **Servers** was selected in the **Tools** area).	Fixed
405681 408121		Developer	Fixed some UI glitches in the **Printers** and **JobInfo** tabs of server **Properties** windows.	Fixed
408753		Developer	Fixed an issue where moving a **from** destination for a Pass-Through module was not possible via drag'n'drop when in diagram mode.	Fixed
409844		Developer	Fixed a UI issue that caused some profile properties in the **Security Profiles** area to be displayed in the wrong column.	Fixed
402438		Engines	Fixed an issue where the following engines did not create a new JobID (cloned job) after combining only a single job: Compression Engine, JobToXML, RichTextConverter, PDF Engine, TIFF Engine, and PDF Merger.	Fixed
407867		Form Editor	Fixed an issue where the Subform Editor, when in JSON mode, could not be closed after a parse error occurred in a template.	Fixed
404604		Form Engine	Fixed an issue that caused the Form Engine to use an extensive amount of memory when processing batch jobs in text input mode.	Fixed
409746		Input modules	Fixed a critical service crash that occurred on Leap Day (29th February during a Leap Year) if in Scheduler the **Type of Event** setting for input modules was **Every year**.	Fixed
409241		OCR Editor and Engine	Fixed an issue where some supported language names in the UI were not presented in English for the bundled Dictionary database.	Fixed
381739		OneDrive Input	Fixed an issue where the setting of the **Case-sensitive** regular expression option was not saved when the option was selected (set to true).	Fixed
381668		Mail Output	Fixed an issue where the setting of the **Request Delivery Receipt** and **Request Read Receipt** options was not always synchronized between the Lasernet Developer **Properties** pane and the **Setup** tab of the **Mail Output Properties** window.	Fixed
413726		XML Transformer Editor	Fixed a crash in the XML Transformer Editor if an XPath (used in an action) ended with a / (forward slash).	Fixed
408762	36463	XML Transformer Editor	Added support for using JobInfo substitution in XPaths used in actions (like Lasernet 9).	Fixed

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Maintenance Report

Internal Ref.	External Ref.	Area	Details	Status
379079	34463, 33804	Config Server	Changed authentication behavior to prevent Lasernet attempting to log a user in as an Active Directory Lasernet user if they failed to successfully authenticate as a local Lasernet user. Previously, if an Active Directory Lasernet user had the same user name as a local Lasernet user, Lasernet tried to "fall back" to the Active Directory user in this scenario.	Fixed
382724 399361		Config Server	Fixed some sync errors, on the web site, where various fields and icons were not updated properly in the UI after renaming a value.	Fixed
396903		Config Server	Fixed a security issue where a user without administrative rights was allowed to view the history of a configuration.	Fixed
390170		Developer	After running a module in Test Mode in Lasernet Developer (where the test successfully completed and generated output jobs, using grab data pasted into the data box), clicking **Save** to create a grab file from the pasted data and then running the module test again did not create any output jobs.	Fixed
394835, 396902, 396904		Developer	The **Inactive** status flag for Form, Subform, and Phrases objects was not shown in the **Export Object(s)** and **Import Object(s)** dialogs.	Fixed
395065		Developer	The last hidden/unhidden status of columns was not saved into the Windows Registry for all list views.	Fixed
401304		Developer	The PDF Form Filler engine was displayed in the **Forms** pane even after it was removed from the list of modules.	Fixed
399950	36012	Form Editor / Engine	Barcode objects that represented Swiss QR barcodes were still processed even the Object/JobInfo criteria was false.	Fixed
393545, 399178	36012	Form Editor / Engine	Fixed an issue with Swiss QR barcodes and the encoding of UTF-8 characters.	Fixed
399024	36303	Job Engine / Service	Fixed an issue running the XML Transformer and PDF Form Filler modifiers, from a modifier event, on the XML Transformer module.	Fixed
400917		Monitor app	Since December 2023, Microsoft Defender has been flagging the LnMonitor.exe software as Trojan:Win32/Znyonm!pz or Phonzy malware. However, this is a "false positive", and Microsoft has confirmed that this is the case. For more information, see https://support.formpipe.com/news/posts/lasernet-monitor-exe-file-detected-as-malware-by-microsoft-defender The issue is due to the software that generates the Insights for Performance and Transactions charts. To be able to deliver security patches and fixes for our users of Lasernet 10, Formpipe Software has decided to exclude the Performance and Transactions tabs, and also the functionality embedded in those tabs, from Lasernet 10.7 to prevent Lasernet Monitor being flagged as malware.	Support
397463	36333	OCR Editor	Fixed a crash when a language was selected from a Dictionary with multi-languages and the selected OCR field didn't match any words.	Fixed
393075		Printer Output and Printer Service	Added a threshold of 5 mm when detecting the paper format for PDF and DOCX documents and supporting auto-selection of paper trays for background printing. This will improve the detection of paper sizes that do not follow the standard size for paper formats (such as A3, A4, Letter, etc.).	Improvement

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Maintenance Report

Internal Ref.	External Ref.	Area	Details	Status
366900	32817	Azure Service Bus	Fixed an issue (in the Azure Service Bus module of Lasernet Developer) where entering an invalid SAS Key Name caused Developer to display an empty Entity Path dropdown list.	Fixed
367043		Azure Storage	Fixed an issue where Developer reported a successful connection if the user clicked Test Connection when the Azure Storage connection string was blank.	Fixed
375743		Client app	Fixed an issue where the Client app hid jobs if the queue name (Formtype) contained leading or trailing spaces.	Fixed
366266		Developer	Fixed an issue moving the pointer for the start and end of destinations in the diagram.	Fixed
367730	32992	Developer	Fixed an issue exporting Database objects whose name contained a dot.	Fixed
370533	33312	Developer	Added validation when renaming forms to prevent illegal characters in form names.	Improvement
375647	34041	Developer	Fixed an issue where the history for all objects was listed instead of only the selected object's history.	Fixed
380950		Developer	Fixed a crash on attempts to close Lasernet Module Tester.	Fixed
379280		Developer	Added HTTP session log to LasernetDeveloper.Inlog for various modules when clicking Obtain Authorization or Refresh Access Token.	Improvement
382368		Developer	Fixed an issue where a text filter on the form list was not reapplied after a form was opened and then closed.	Fixed
382366		Developer	Fixed an issue where Server JobInfo values were no longer present after the server settings dialog was opened and then closed.	Fixed
388460	35279	Developer	Removed unsupported databases from the list of native connection strings.	Improvement
357746	32078	Form Engine	Fixed an issue with resizing of split rearranges in text output.	Fixed
374292	33472	Form Engine	Fixed an issue where empty lines were not removed at the beginning of a region.	Fixed
369945		Form Editor	Fixed a UI issue at the bottom of the Sheet Options dialog.	Fixed
378124	34302	Form Editor	Added more items to the Tools menu.	Improvement
377511	34275	Form Editor	Fixed that the list of rearranges, in the Pattern and Rearranges dialog, was not refreshed for all objects when more than one object was edited.	Fixed
381154		Form Editor	Fixed an issue where buttons at the bottom of the Edit Barcode dialog were enabled when editing the embedded barcode profile.	Fixed
387585		Form Editor	Fixed a crash when removing an object from a subform and then closing the Subform Editor.	Fixed
387666	35321	Form Editor	If a rearrange on a subform had a value for its Overflow property setting, Form Editor did not apply that Overflow setting to the rearrange's text (when determining how the content of the subform looked on the forms that used that subform). For example, if the rearrange's text was truncated on the subform, it was not truncated on the forms that used that subform.	Fixed
385723	34758, 35018, 35033	FTP	Fixed an access violation in the FTP object, which could cause a crash.	Fixed
368444	33067	Meta app	Added MSSQL OLE DB Driver and LocalDB prerequisites to the Meta installer.	Fixed

Internal Ref.	External Ref.	Area	Details	Status
375586	34018	Meta Input	Added validation to non-editable combo boxes so that functionality intended to ensure that the user selects particular list values works.	Fixed
369340	33211	OCR Engine	Fixed an error when processing empty pages.	Fixed
375427	33646	Outlook Mail and OneDrive	Added support for getting a new access token while throttling.	Improvement
369696	33322	Outlook Mail	Added support for reading child nodes in MIME for incoming mails.	Improvement
386798		Printer Input	Fixed a service crash that occurred if a job was being processed by the Printer Input module at the same time as a configuration was being deployed to the Lasernet v10 service.	Fixed
382733	34810, 35414	Printer Output and Printer Service App	Fixed that the scaling mode, when printing PDF documents, by default was not set to ActualSize. This caused an unexpected scaling value on the printed document.	Fixed
371668	33662	Printer Service module	Fixed that a job did not fail if a connection to the printer service could not be established.	Fixed
370908		Tesseract OCR	Fixed an issue where the rotation of PDF documents did not always work.	Fixed
376036		Web Client	Fixed an issue where a web page did not load if a row in the Identifiers list for an OCR Forms engine contained an empty value for CSVFile.	Fixed
387717	35341	Meta Installer	Fixed an issue where the Lasernet EMF printer driver and Lasernet Printer Port were missing in the installers, preventing automatic installation of a Windows Printer when adding a Lasernet Meta Queue from Lasernet Meta running as a desktop application on Windows 10 and Windows 11.	Fixed
388040	CVE-2023-38169	Server and Meta Installers	Due to a vulnerability (CVE-2023-38169) in Microsoft OLE DB Driver for SQL Server, the installers for Lasernet Server and Lasernet Meta now install Microsoft OLE DB Driver for SQL Server 18.6.7 (instead of version 18.3.0).	Improvement

Lasernet 10.5.2.

Maintenance Report

Internal Ref.	External Ref.	Area	Details	Status
368469	33020	Form Engine	There was a compatibility issue after migration of forms running in page to job mode, which is designed for Lasernet 8 or earlier.	Fixed

Lasernet 10.5.1.

Maintenance Report

Internal Ref.	External Ref.	Area	Details	Status
366901	-	OCR Editor	Lasernet 10.5 introduced an issue for "Wildcard matching in OCR Field" where an OCR Form could get corrupted in edit mode if an OCR Field was added to an item line in the body	Fixed
367782	-	Database Command	There was a memory leak when running database commands in the Lasernet Service	Fixed

Lasernet 10.5.

Maintenance Report

Internal Ref.	External Ref.	Area	Details	Status
336356	-	Azure Storage Input	Added new JobInfos for downloaded blobs (Filename, FilenameWithoutExtension and Extension)	Feature enhanced
328736	-	Client app	Adding/changing a value for an Identifier field, assigned to an OCR Engine, will only update the selected job and no longer multiple jobs with same characteristics	Feature enhanced
326793	-	Client app	Added support for editing Regional Profile for OCR Fields added with date type in item lines	Feature enhanced
316878	-	Client app	Auto detect regional profile for a manually inserted date value	Feature enhanced
330169	-	Client app	Preview did not show document if filename extension did not match content	Fixed
333510	-	Client app	Added support for pressing **Enter** or **F2** to open custom editor for Identifier or Date columns	Feature enhanced
342845	30926	Config Server	Improved date format handling in various browsers	Feature enhanced
342705	-	Developer	Fixed an incompatibility issue when selecting edit module properties, after import of a migrated configuration, where the destination dialog properties unexpectedly was opened instead of the module properties	Fixed
341684	-	Developer	Renaming a configuration to the same name as an existing configuration was not possible	Fixed
341028	-	Developer	Checking for existing config name was case-sensitive, causing an issue where importing a configuration allowed the same name as an existing configuration, but with a different case	Fixed
340813	-	Developer	The Search tool crashed when clearing content in the "Text to search for" field	Fixed
317897, 324753, 326664	25345	Developer	A race-condition in object locking caused the error message "A lock for this object already exists."	Fixed
335605	29989	Developer	Lasernet Developer unexpectedly used deprecated master settings to create input printers after migrating a configuration from an earlier version	Fixed
325896	29307	Developer	OCR Engine Module: Fixed an unhandled exception when changing default language for Dictionary	Fixed
324069	-	Developer	Added support to automatically resize columns for Server JobInfos to fit content	Feature enhanced
324614	26695	Developer	Checkmark colors in tree view for the commit and revert dialogs were wrong for selected items	Fixed
335006	28309	Developer	Improved error handling in property editor. Object names is set to read-only (not editable) to avoid an unforeseen warning that object already exist	Feature enhanced
329001	-	Developer	Improved Printer Profile error message handling for Printer Service module	Feature enhanced
298396	-	Dropbox	No longer supported	Deprecated
343858	31018	Formats	Removed irrelevant debug logging for File Input + Output and Form Engine modules about none processed formats	Fixed
338174	30325	Form Editor / Engine	Fixed an issue for Rich Text output, where the DOCVARIABLE code, in some cases appeared in the output document for phrases if a criterion was not true	Fixed

Internal Ref.	External Ref.	Area	Details	Status
323797	28857	Form Editor / Engine	In rare cases, when a table was added to a region in the bottom of the page, it was longer than expected	Fixed
340375	30626	Form Editor	Fixed a crash on the attempt to select another sheet in Sheet Options dialog	Fixed
335168	-	Form Editor	Fixed an issue changing type of content from "richtext\docx|pdf" to "xhtml" or vice versa	Fixed
326450	-	Form Editor	Clicking **CTRL + left mouse button** in 'Form Modifiers' dialog, to copy a modifier, did not work properly	Fixed
335168	-	Form Editor	Fixed an issue where UI was not updated immediately after changing the sheet output type between Rich Text format and XHTML	Fixed
338492	29595	Form Editor	Improved warning handling, in the Font tab for Edit rearrange dialog, for non-supported font sizes, which could be present after migration of a configuration	Feature enhanced
343456	-	Form Editor	By clicking on a rearrange or fixed text you will no longer enter inline editing mode by default. Selecting an object and pressing **F2** is now required to enter inline editing	Feature enhanced
321775	-	Form Editor	Added a new context menu to "Keep text formatting" or "Keep text only" when merging two objects by clicking **Ctrl + Alt** before drag and drop	Feature enhanced
314404, 337075, 337076	-	Form Editor	Added Auto Scroll support when selecting objects in Edit Rearrange dialog	Feature enhanced
331264	-	Form Editor	Auto focus for output pages has been improved when an input rearrange is selected	Feature enhanced
331265	-	Form Editor	Added support for PageUp, PageDown, Home and End keys for faster navigation across the output pages	Feature enhanced
322235	-	Form Editor	Status for Auto alignment and Auto scroll On/Off status added to the status bar	Feature enhanced
316685, 320914, 343456	-	Form Editor	Made several improvements to the inline editor for Fixed Text and merged Rearranges	Feature enhanced
346912	-	Form Editor	Added support for a new attribute in XFDF template in Form Editor showing possible values extracted from PDF	Feature enhanced
353797	32109	Form Engine	Fixed logging the "No form match found" message for TXT Forms	Fixed
357631	32288	Form Editor / Engine	There was a rounding error in number decimals when running a form calculation	Fixed
363672	32478	FTP Input	0 byte files could not be processed by SFTP protocol	Fixed
357721	32328	FTP Output	SFTP protocol crashed when uploading two files after each other, to the same open connection	Fixed
298400	-	Google Drive	No longer supported	Deprecated
333837	-	Mail Output	Label names for Request Read Receipt and Request Delivery Receipt are aligned for Mail Output and Outlook Mail modules	Feature enhanced
282476	23921, 31349	Meta app	A DataReader error message could sometimes appear in desktop app, avoiding a user to send a queue document to the server for a short period	Fixed
337576	-	Meta Output	Meta fields were not always set properly in Meta app, when receiving jobs simultaneously from multiple Meta Output modules	Fixed
336599	-	Monitor app	Filtering used minutes for months allowing 00-59 to be entered rather than 01-12	Fixed
335626	-	Monitor app	The scrollbar was reset unexpectedly on License Page	Fixed
345076	30984	OCR Editor	Aliases were used for language detection instead of term name and using the latest revision instead of the first	Fixed

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Internal Ref.	External Ref.	Area	Details	Status
342295	-	OCR Editor	Fix for reselection of objects when using property grid causing loss of items in dropdowns	Fixed
324372	-	OCR Editor	Added support for reading the CSV file with Identifier values having blank column names	Feature enhanced
318225	-	OCR Editor	Added support for wildcard matching in OCR Fields	Feature enhanced
353765	-	OCR Editor	Improved the order of selectable date formats	Feature enhanced
342295	30790	OCR Engine	Fixed an issue where XML output result from OCR Engine included alias name instead of field name as tag names for field names created with splitter functionality	Fixed
346051	-	OCR Engine	Body lines, with rearranges with height higher than a single line, would auto progress with the height of the tallest rearrange	Fixed
346056, 347492	-	OCR Engine	Extended logic is added to the greedy function when extracting OCR Fields in the body of a form. Greedy now stops before a line item with an "Exception" or "Must Contain" property is activated	Feature enhanced
341282	30710	Outlook Mail Input	Added support for reading To property, from transport message header, containing the alias mail address	Feature enhanced
353046	31989	Outlook Mail Input	Fixed an issue reading signed emails	Fixed
341528	30717	Outlook Mail Input	Extended the module to accept an invalid email address for InputToName and an empty value for InputToEmail	Feature enhanced
337058	27018	Outlook Mail Input	If images were inserted in an email, they were incorrectly counted as attachments in JobInfo InputAttachmentNumber	Fixed
346907	30405	Outlook Mail Output	Added support for RetryAfter parameter when Microsoft Graph API throttles because of too many requests to server (error code 429) or if service is unavailable (error code 503)	Feature enhanced
323331	-	PDF Extract	Removed the PDFPageOrientation JobInfo since it could not always be set with a proper value by module	Fixed
336206	-	PDF Merger	The checkbox of the inactive column was inverted	Fixed
291146	24919, 24938	PDF Merger	Do not attempt to merge empty attachment. The attachment is skipped instead of failing job if attachment is empty (0 bytes)	Feature enhanced
334823	29816	PDF to Text	Added support for PDF documents tagged with version 2.0	Feature enhanced
326048	29331	PDF to Text	Fixed that bounding boxes were not transformed when page was rotated, causing text placement to be incorrect in some cases	Fixed
334823	30054	PDF to Text	Fixed a rendering issue related to the producer wPDF4 by WPCubed	Fixed
338704	-	Printer Output, Printer Service App	When printing attachments in PDF format, the Lasernet Server will support to automatically choose paper source in the printer by detecting the PDF page sizes in the PDF documents	Feature enhanced
326740	-	Printer Service app	When app is already started the printer list will automatically refresh when new printers are populated	Feature enhanced
329994	-	Printer Service app	Added support in UI for saving column order to registry and copying the order to other servers automatically	Feature enhanced
326751	26695	Script Editor	Script was incorrectly saved when clicking the Parse button	Fixed

Internal Ref.	External Ref.	Area	Details	Status
344378	30942	Server / Job Engine	Fixed a deadlock that could force a job to fail unexpectedly with the following error: `Transaction (Process ID ##) was deadlocked on lock resources with another process and has been chosen as the deadlock victim. Rerun the transaction. [SQLAPIReader::retrieveRow]`	Fixed
328879	29510	SharePoint	Fix for browsing Document Library using Graph API without a valid authentication	Fixed
326751	29366	SharePoint	Improved how the fields in the SharePoint Connection build the URL in UI to establish the connection to SharePoint	Feature enhanced
332009	29872	SharePoint	Support for browsing and selecting accessible subsite IDs when authentication is set to application	Feature enhanced
363417	29510	SharePoint	Some listing sites were excluded when authenticating via app registration	Fixed
324309	29020	SQL Editor	Added a workaround that Microsoft ADO returned parameter sorted by name instead of the order in which they appear	Fixed
324309	-	SQL Editor	Add + Remove parameter buttons appeared when selecting another stored procedure	Fixed
322684	-	SQL Editor	Only the last query result was shown in the Text tab when running multiple queries	Fixed
322985	-	SQL Editor	Added support for DataTable relations between queries in Database Command	Feature enhanced
322678	-	SQL Editor	Added support for viewing results as a DataSet	Feature enhanced
341317	-	Tesseract OCR	Added GhostScript as recommend default value for force producers/creators and `abbyy;omnipage;tesseract` as recommend default values for skip producers/creators to optimize processing speed and quality of output	Feature enhanced
316048	-	Tesseract OCR	Added a new PDF library to process and extract metadata from incoming PDF documents. **Note:** To ensure backward compatibility, after an upgrade from an older version, this setting is not activated by default. It is highly recommended for new users of the input management solution to activate this setting to be able to process a larger scale of PDF documents from various PDF providers	Feature enhanced
312565	-	Web Server Input	Added support for octet-stream in REST request (if single parameter) and response	Feature enhanced
328736	-	Web Client app	Identifier field, assigned to an OCR Engine, is updated for the selected row and not for other rows with documents from the same receiver	Feature enhanced
337070	-	Web Client	Preview did not show document if filename extension did not matched content	Fixed
318617	-	Web Client	Added a feature to show and edit a regional profile, assigned to a job by an OCR Engine, in column views for an OCR Field defined as a Date type	Feature enhanced
336610	-	Web Server Input	An invalid Expire header result was shown (the result is now 0 instead of -1)	Fixed
337708	30341	Web Service	Improved WSDL parser handling	Feature enhanced
343466	30994	XML Transformer Editor	The Find (CTRL+F) functionality was disabled	Fixed

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Maintenance Report

Internal Ref.	External Ref.	Area	Details	Status
319679	-	Azure Service Bus	Create n/4 threads for the batch pool where n is number of cores to increase speed for multiple batches for servers with 8 cores (2 threads) and 16 cores (4 threads)	Feature enhanced
305966	-	Azure Storage	Fixed an UI issue where the Test Connection button was shown on top of Connection Tab, instead of in the lower bar	Fixed
309188	-	Client app	Added a feature to show and edit a regional profile, assigned to a job by an OCR Engine, in column views for an OCR Field defined as a Date type	Feature enhanced
306699, 307349	-	Client app	Lasernet OCR, System and Job Tracking profile bands have been re-organized in UI	Feature enhanced
328699	-	Client app	Identifier value is now only changed for the selected job row and not for other job rows matching same AutoCapture or OCR Forms	Feature enhanced
317353	-	Config Server	Instance names were case-sensitive	Fixed
313301	-	Developer	Added support for duplicate and copy/paste to Criteria dialog for a Destination added to a module	Feature enhanced
312547	-	Developer	Added a files column in the Resources file folder view to show number of files within a folder	Feature enhanced
312075	-	Developer	Added support for export / import of fonts stored in the Resources\Fonts folder	Feature enhanced
322867	-	Developer	The form names were sometimes grayed out when multi server instances are present in a configuration	Fixed
296964	-	Form Editor / Form Engine	Added combining support to CSV as output format, to support a more complex CSV structure based on individual sheets in the same form	Feature enhanced
325773	-	DM Upload	Expanded authentication options by adding support for API Keys and OAuth2 (for SSO environments)	Feature enhanced
303632	-	Form Editor / Form Engine	Added a new setting "Allow further form matching if no sheets are matched" to the Form Criteria dialog for forms with XML as input format	Feature enhanced
223499	-	Form Editor	Added support for a "Keep source formatting" or "Keep text only" dialog when doing a copy/paste or a merge of two rearranges having different styles	Feature enhanced
306339	-	Form Editor	Objects are merged when selecting the Ctrl-key + arrows or drag-and-drop to another object	Feature enhanced
306337	-	Form Editor	Added an Auto alignment checkbox in the View submenu to turn on/off the auto alignment functionality for EMF/PDF formats. A feature to avoid that position is not always set to an integer when moving an object to a new Y position with arrow keys up/down	Feature enhanced
295432	-	Form Editor	Added support for colored QR barcodes. This enables support for white QR barcodes printed on Zebra label printer mounted with black labels	Feature enhanced
316083	-	Form Editor	Several improvements added to the in-line editing control	Feature enhanced
302074	-	Form Editor	Added placeholder text to required fields for Swiss QR barcodes	Feature enhanced
298558	-	Form Editor	Optimized moving an object by arrow key when aligning to other objects in EMF/PDF forms	Feature enhanced

Internal Ref.	External Ref.	Area	Details	Status
296716	-	Form Editor	Added a Base64 property in Sheet Options to encode output JobData	Feature enhanced
310703	-	Form Editor	Removed non-supported actions, Move or Copy sheets, from the Cells menu in the Spreadsheet editor	Fixed
322502	-	Form Editor	A crash occurred when attempting to open another configuration after RichText\DOCX form was previewed	Fixed
322460	-	Form Editor	The cursor used to show table columns did not change to the Move Right/Left cursor mode for EMF output	Fixed
313439	-	JSON Web Token	Added support for JSON Web Token viewer in module view	Feature enhanced
314408	-	JavaScript	Added new function jobinfoIndexOf to search through a JobInfo array on a Job looking for a particular value	Feature enhanced
321739	28721	Mail Output	A crash occurred when "Do not insert job data in an attachment" was enabled	Fixed
303542	-	Monitor app	Disabling non-supported tabs when a log file is opened from disk	Feature enhanced
317911	-	OCR Editor	Fix for scrollbar being unable to scroll to show all columns or rows for documents in landscape	Fixed
315970	-	OCR Editor	Added support for editing of Exceptions via property editor	Feature enhanced
311618	-	OCR Editor	Identifier view in OCR Editor app is sorted alphabetically like the Client app	Feature enhanced
316258	-	OCR Editor / Engine	Faster scrolling support and processing of OCR Forms for large documents	Feature enhanced
316015	-	OCR Editor / Engine	Optimized speed when running the Understand tool and AutoCapture feature	Feature enhanced
316874	-	OCR Editor / Engine	Optimized the algorithm for recognition of date formats in documents to auto set a regional profile for an OCR Field defined as a Date type	Feature enhanced
305017	-	OCR Editor / Engine	Added long dates to the list of built-in date formats	Feature enhanced
323551	-	OneDrive	Incoming files were not processed properly due to UTF-8 characters not working	Fixed
315231	-	PDF to Text	Default value for Extract metadata settings in PDF to Text module is now set to "Not active", which is the recommended setting in a production environment for highest speed	Feature enhanced
315872	-	Printer Failure Profile	Added a new JobInfo named PrinterFailureMessage, which contains the error message when a print job fails due to a Printer Failure Profile rule	Feature enhanced
303479	26657	Printer Output / Printer Service	Fixed an issue with Windows printer names containing special characters, like hashmarks and slashes	Fixed
317451	28248	Script Editor	Added support for searching outside functions and within function name	Feature enhanced
313708	-	Tesseract OCR	Optimized the 'Auto Rotate' detection feature to obtain readable rotation in documents	Feature enhanced
316902	-	Web Server / Service	Added unique name handling for methods	Feature enhanced
316989	-	Web Server / Service	Disabled the OK button when editing method if name is not unique within the web service	Feature enhanced
313300	-	Web Server / Service	Deleting a destination would afterwards select item above and not the next item in the list	Feature enhanced

Internal Ref.	External Ref.	Area	Details	Status
313303	-	Web Server / Service	Added support for duplicate and copy/paste to the method list for web services	Feature enhanced
320381	27621	XML Transformer	There was an issue with transformations replacing elements with text nodes	Fixed

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Maintenance Report

Internal Ref.	External Ref.	Area	Details	Status
317908	25345	Developer	Optimized updating and population of Forms list to improve performance when working with many forms	Fixed
316358	-	Dictionary Service	Enclose path to service executable in quotes to increase the security level	Fixed
318887	-	DM Upload	Enabled the use of strong crypto and recent TLS versions	Feature enhanced
315145	27740	Form Editor	Scripts in sub form mode did not run when pressing Shift+F5	Fixed
271720	-	Form Editor	A regional profile, set to inactive, would disappear from Input/Output format tabs	Fixed
319088	-	Form Editor	Fixed an issue in various dialogs where manual adjustment of column width in UI did not work after upgrading to 10.3	Fixed
320314	28598	Form Editor	The page selection of overlay files in 'Sheet options' dialog was wrong	Fixed
315440	-	Form Editor / Engine	Swiss QR Barcode encoded incorrect value issues for amounts with a certain number of decimals	Fixed
315254	-	JobInfo Scanner	Fixed a UI issue when Extraction Mode was set to Leave	Fixed
316358	-	Lasernet Service	Enclose path to service executable in quotes to increase the security level	Fixed
315463	-	Login	In rare cases, the Login app was not allowed to create a local directory to install applications after they were downloaded from the Lasernet Server	Fixed
315973	-	OCR Editor	Optimized speed when loading large documents	Feature enhanced
316134	28082	OneDrive Input	A crash occurred due to Microsoft now sending empty response when remote file is deleted successfully	Fixed
315444	-	Printer Profiles	Lasernet Developer could crash when adding a new profile by right-clicking in left tree	Fixed
316358	-	Printer Service	Enclose path to service executable in quotes to increase the security level	Fixed
319536	-	Printer Service app	Log could not always be retrieved from Printer Service	Fixed
315993	28051, 28044	Scheduler Input	Fixed a service crash after a deployment caused by a race condition	Fixed
315849	28032	SharePoint 365	Fix for testing app registration connection from the UI in Lasernet Developer	Fixed
317955	28290	Text Filter	Fixed an issue with $0 (full match) when using 'Match once' and/or 'Set JobInfo...' options	Fixed
312269	26293	Web Service Input	Lasernet Service crashed when a job was forwarded to Preview port from Web Service module	Fixed

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Maintenance Report

Internal Ref.	External Ref.	Area	Details	Status
293924	25345	Developer / Config Server	Refactored migration to fix missing configuration file version and other migration bugs between Lasernet 9 and 10. **Important:** If you upgrade from any previous version of the 10-series you cannot downgrade and afterwards open a configuration stored in the Lasernet Config Server. The list of configurations will remain empty. We strongly recommend that you create a backup of the Lasernet Config Server as described in the following article, before you upgrade to this version: https://support.formpipe.com/kb/articles/110	Fixed
310574	-	Developer	A handle leak could cause a crash when exporting objects	Fixed
309122	-	Developer	There was an issue with the UI in the General tab of the JobInfo Profile dialog, where settings for Type and Show were not separated	Fixed
309552	-	Developer	There was an issue with the UI for Modules > Modifiers > Criteria tab, where the Add JobInfo Criteria incorrectly figured as a Scheduler Criteria	Fixed
312506	-	Form Editor/Engine	Added support for embedded fonts in SVG images	Feature enhanced
312239	-	Form Editor	Changing sheet in 'Sheet Options' dialog did not refresh value for 'Maximum image DPI' setting in Advanced tab	Fixed
311787	-	JavaScript	F.isFile and F.isDir returned incorrect Boolean in JavaScript	Fixed
307970	-	OCR Engine	Empty values for DisplayMember and ValueMember in OCR Engine > Identifier tab were not backward compatible	Fixed
312009	-	Printer Service	Added "Reset Layout" functionality in Printer Service app > View menu, to reset layout of tool bars in UI	Feature enhanced
311787	-	Printers and Drivers	Added missing printer drivers to Lasernet Developer installer. Fixed an issue where Lasernet Printer Capture 10, was not installed and running if Lasernet Developer 10.2 or 10.3 were running on a local computer	Fixed
313695	-	SharePoint	Original RefreshToken was mistakenly copied from configuration overwriting any new RefreshTokens obtained on authentication, causing login issues after typical 90 days	Fixed
312587	-	Web Server Input	Added missing ScopedThreadModuleID information to Lasernet Server log	Fixed

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Maintenance Report

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
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

Internal Ref.	External Ref.	Area	Details	Status
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
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

Internal Ref.	External Ref.	Area	Details	Status
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

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Maintenance Report

Internal Ref.	External Ref.	Area	Details	Status
303172	-	Developer	The Test Connection button in the module UI did not work properly for SharePoint modules	Fixed
302307	-	Printer Service	Addressing a Printer Profile from script and a Printer Name via JobInfo substitution for Printer Service module / service did not work properly	Fixed
294117	25435	SharePoint	Uploaded documents were randomly missing attached meta fields for Graph API, because of extensive traffic to endpoint via Graph API	Fixed
303169	-	SharePoint	Added support for getting throttled or blocked by SharePoint Online, because of extensive traffic to endpoint via Graph API	Fixed
303184	-	SharePoint	Read of SettingsRetainer (Tokens) could fail due to another thread read/writing the file, because of extensive traffic to endpoint via Graph API	Fixed

Lasernet 10.2.3.

Maintenance Report

Internal Ref.	External Ref.	Area	Details	Status
299438		Azure Storage	Service crashed when connection was mistakenly not set in module	Fixed
298114	26184	Client app	Preview was cleared when same job was present as first job in multiple levels	Fixed
298573		Developer	The object's name was not presented in the Script Functions category in the Validator dialog	Fixed
299420	26353	Outlook 365 + Exchange	There was an issue reading signed MIME mails where name was not set	Fixed
294095	25443, 25992	Scheduler	Having multiple input modules using scheduler to start jobs could, in rare scenarios, process twice instead of once	Fixed
288936	24873, 22246	SharePoint	There was an issue with retainer files and the renewal of tokens with multiple SharePoint 365 Graph API modules in the configuration	Fixed
302009	26154	SharePoint	Optimized speed for upload of documents to SharePoint by allowing multiple concurrent connections	Feature enhanced

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Maintenance Report

Internal Ref.	External Ref.	Area	Details	Status
295875	25767	Client (app)	Improved validation coloring shift between statuses and tooltip when changing values in columns	Fixed
295360	25641	Config Server	Added 'Reset Password' functionality for local users	Fixed
295905	25345	Config Server	Fixed an "Operation time out" when migrating and importing large configuration with 1 GB of overlays	Fixed
294645	-	Developer	Content in preview window, listed in resource view, was not updated visually before the file was re-selected, if the object was reverted or edited externally	Fixed
297241	-	Developer	Handle exceptions when opening configuration referencing unknown third-party .NET modules	Fixed
295901	24825	Form Editor	Fixed an issue where preview mode would crash application	Fixed
296699	-	Form Editor	There was a duplicated list of fonts in the fonts tab of the rearrange settings dialog	Fixed
297051	-	Form Editor	The 'Save As' action for the Preview dialog did not include an extension for output filename properly	Fixed
293964	25393	Form Editor	Fixed an issue addressing the printer profile for Printer Service module from the addPrinterProfile object in JavaScript	Fixed
296701	25875	Monitor	Save dialog did not append selected extension when saving log	Fixed
295603	25688	OCR Editor	Fix for error in forms list when showing 'Move to Index' dialog and rows are filtered	Fixed
296507	-	OCR Engine	Added support for a list of reserved names, in add or edit mode, for OCR Field names in OCR Engine	Feature Enhanced
295082	-	SDK + JavaScript	Added functions to get list of images and path to all resources from SDK and JavaScript	Feature Enhanced
295696, 295904	-	SharePoint 365 Connection	Added support for login domain for OnPrem REST and 'None' prefix for URL without /sites or /teams	Feature Enhanced
295906	25773	Text Filter	Fixed broken handling of $0 (full match) in replace expressions	Fixed

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Maintenance Report

Internal Ref.	External Ref.	Area	Details	Status
288856	-	Barcodes	Symbology barcode fonts, deprecated in 10.0, are now supported, on user request, from this version	Enhanced
288660	24435	Client app	Error message was shown when editing JobInfos, which were actually never set, but saved via JobInfo Profile	Fixed
294550	-	Config Server	Unable to add groups to Security Roles if there are a large number of groups (10.000) in Lasernet or Active Directory	Fixed
292233	-	Developer	Job Mode was unable to execute method to show job flow for processed job	Fixed
291359	25017, 25120	Developer	Search mode crashed when there were forms or subforms in the configuration	Fixed
292254	-	Developer	Autoform DM Upload module JobInfos were missing in JobInfo dropdown lists	Fixed
292495	-	Developer	History changes did not show scripts properly	Enhanced
275787	-	Form Editor	Opening PDF in Preview mode, with a form that contains specific type of SVG images rotated to 180 or 270 degrees, caused a crash	Fixed
292954	-	JavaScript Editor	Fix for issues when searching for contents that occurred in multiple functions	Fixed
293923	-	OCR Editor	Removed flag requirement for header+footer fields to avoid OCR Forms created in older versions being non-compatible	Fixed
293165	8562	PDF Engine	Enclosed XMP Metadata in x:xmpmeta tag when generating PDF/A for German ZugFerd format. Avoids validation failure in certain validators, even though the tag is only optional	Fixed
292943	-	Printer Port	Lasernet processing failing: HTTP response content-type was not application/json	Fixed
293680	-	Rich Text Converter	DOCVARIABLES were not replaced with Phrases	Fixed
292160	25156	Service	A race-condition caused a crash when loading forms and then printing to Printer Input	Fixed
291190	24980	SQL Database Connection	ntext was read as blob and not string	Fixed
293190	-	Tesseract OCR	PDFs that did not restore a clean graphics state caused missing OCR processed image	Fixed

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Maintenance Report

Internal Ref.	External Ref.	Area	Details	Status
282312	-	Azure AD	Azure AD tokens expired after a short period of time	Fixed
287215	-	Code Page Conversion	Added support for IBM852 (MS-DOS Latin 2), to write Central European languages (such as Bosnian, Croatian, Czech, Hungarian, Polish, Romanian, Serbian, Slovak or Slovene)	Feature enhanced
282658	-	Config Server	Fixed possible race-condition when refreshing user claims. Cached user claims and external user roles are no longer refreshed on every request but are updated every 5 minutes	Fixed
214351	-	Config Server	Preventing to add server instance with a port number or instance name already being used by server	Fixed
231628	-	Form Editor	Added support for embedded files when outputting PDF/A from Rich Text format	Feature enhanced
234360	-	Form Editor	Logger Logged RecognizedForm information twice in succession	Fixed
280872	23706	Form Engine	Fixed a memory issue with intensive use of barcodes or images in large print jobs	Fixed
284873	-	Form Engine	Fixed an error "Not a SharePoint Graph connection!" when retrieving blobs in forms via SharePoint REST API (Legacy) connection defined in Form Options → Connections	Fixed
266739	-	Developer	Added schedule criteria to XML Transformer, PDF Form Filler and Overlay forms similar to Form Engine forms introduced in 10.1	Feature enhanced
282624	23890	Developer	Improved the size of the scrollbar in the commit/show changes dialog for changes containing long XPaths	Fixed
268815	-	Developer	Changed Export action to show Export Object(s) dialog	Feature enhanced
269133	-	Developer	Added created + modified columns to View Dependencies dialog	Feature enhanced
283435	-	License Manager	Closing the migration dialog could return an unhandled exception during a database migration for Config SQL Server	Fixed
275124	22233	OCR Editor	When splitting two strings, only the first char was discarded, not the full splitstring	Fixed
281029	-	OCR Editor	Added a new "Update and Close" button to toolbar	Feature enhanced
282115	-	OCR Editor	Changed default Split String setting from space to nothing	Feature enhanced
284256	-	OCR Editor	Added support for moving and removing Zone for Search and Criterion fields	Feature enhanced
283805	-	OCR Editor	Grab data was not kept when saving AutoCapture Form as an OCR Form	Fixed
284281	-	OCR Editor	Added support so that the "Must Contain" property for Data Fields is used as an extra parameter to capture an OCR Field	Feature enhanced
n.a.	-	OCR Editor	Data Field values can be set to option "Required" for Data Fields added to header/footer instead of body only	Feature enhanced
283750	-	OCR Engine	Validation of Identifiers added to OCR Engine did not work after releasing a job for Auto Captured documents	Fixed
282749	-	OCR Engine	Added new 'OCRAutoCapture' JobInfo when job is auto captured by engine	Feature enhanced

Internal Ref.	External Ref.	Area	Details	Status
284052	-	OCR Engine	Fixed reading preview JobData from wrong JobInfo causing AutoCapture Form to have no PDF	Fixed
252215 + 284085	21594	OCR Dictionary	Backward property added to OCR Field in Dictionary to search backwards for OCR Fields in AutoCapture and Understand mode	Feature enhanced
281537	-	Outlook Mail	Added support for "Create draft without sending it", in the Outlook Mail output module, and a JobInfo "MailDraft" to overwrite the setting	Feature enhanced
284888		SDK	SDK Module was not listed in Monitor's License tab	Fixed
269726	-	SharePoint	Removed FieldsOnly option from SharePoint Output module (only required for update command in SharePoint Modifier)	Fixed
268487	-	SharePoint	Added password substitution support to SharePoint module running in legacy mode	Feature enhanced
267934	-	SharePoint	Added authentication as application for SharePoint Graph communication	Feature enhanced
282912 + 283274	-	SharePoint	Added support for on-premise server for Legacy REST API	Feature enhanced
282737	23960	Regional Profiles	Fixed a service crash on processing a Regional Profile with none valid settings + added a validation check in UI to prevent none valid settings	Fixed
282106	23890	XML Transformer Editor	Added support for showing the name of a loaded grab file with path in status line	Feature enhanced
282626	23890	XML Transformer Editor	Edit Action dialog in XML Transformer Editor did not scale properly	Fixed

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Maintenance Report

Internal Ref.	External Ref.	Area	Details	Status
281276	Deskpro 23761	HTTP	HTTP input module crashed when a job was read that could be null after introduction of JobInfo 'HTTPCookies' in Maintain Session feature	Fixed
281524	Deskpro 23720	JSON to XML	JSON to XML modifier arrays were not working properly in all cases	Fixed
281563	Deskpro 23732, 23934	Lasernet Config	Migrating LocalDB config to SQL database failed with an SA Exception	Fixed
282624	Deskpro 23890	Lasernet Developer	The scrollbar was missing in some situations because the column was not resized to match content	Fixed
281295	-	Lasernet Form Editor	JobInfo "DataFormat" was logged twice when a form was set to XML Input and TIFF output	Fixed
280615	-	Lasernet Form Editor	Pad option for Rearranges could, in rare scenarios, add the wrong characters to the end of the output string	Fixed
274948	-	Outlook Mail	Outlook Mail incorrectly reported -1 unread mails. We implemented special handling for the incorrect value from Microsoft Graph API when reading number of unread mails from inbox	Fixed
283206	Deskpro 22988, 23855	PDF Engine	Barcode label was clipped in PDF Engine/Modifier in custom Paper Format	Fixed
278051	Deskpro 23452	Printers and profiles	Added support for setting PrintDocName and PrintAttachmentDocName in print queue for attachments	Feature enhanced
274949	-	Scheduler Input	Criteria column was incorrectly shown on Scheduler Input module	Fixed
277538	Deskpro 22939	SharePoint	SharePoint 365 graph connection crashed when displayName was missing (using name instead in such case)	Fixed
280199	Deskpro 23010	Lasernet Client	There was an error editing fields extracted via OCR Engine that were not JobInfos	Fixed

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Maintenance Report

Internal Ref.	External Ref.	Area	Details	Status
281207	-	Autoform DM Upload Module	Module has been updated with fix for a security vulnerability identified in Log4Net.dll	Security enhanced
274125	-	Developer	The grabs are now hidden from the Dependency Walker	Fixed
271971	-	Developer	There were some minor Dependency Walker stability issues when file was removed or renamed	Fixed
271916	-	Developer	Added support for collapse/expand in View Dependencies	Feature enhanced
230429	-	Developer	All changes disappeared from a configuration when they were not committed and the configuration was renamed	Fixed
271966	-	Developer/Module Tester	Module Tester crashed in Engine/Output modules like Tesseract because of missing PublicID	Fixed
275003	-	Form Editor	Rearranges containing a large number, with 24 or more digits, could cause a crash when rearrange was set as a number type	Fixed
269464	Deskpro 22300	Form Editor	WMF & SVG images sometimes rotated the wrong way	Fixed
276512	-	Form Editor	The 'Select Grab File(s)' dialog window closed incorrectly when canceling the information dialog	Fixed
274434	-	Form Editor	Icon for module type was missing in the destination list view	Fixed
274238	-	Form Editor	Incorrect data was added to the "UD– AdressTyp" for Swiss QR Codes	Fixed
269178	-	Form Editor	In rare scenarios, Object was still locked even though the first multi-user had closed the object	Fixed
270572	-	Form Editor	Removed Lasernet Reference Printer column in Form ► Define Sheets menu	Deprecated
254151	Deskpro 21600	Lasernet Client	Jobs were not editable at highest queue level	Fixed
270581	-	Lasernet Client	The View ► Select color swatch selection was not saved between sessions	Fixed
280871	-	Lasernet Client	There was a security issue where a user could remove jobs and change JobInfos in Lasernet Client without the required permissions	Fixed
281479	-	Lasernet Server	There was an issue in the job engine where read rights were incorrectly used instead of write rights when releasing a queue in Lasernet Client	Fixed
196753		PDF Engine	Reduced memory usage when creating PDF files	Feature enhanced
271703	-	PDF Extract	Handling extraction of meta fields that corrupted log if JobInfo value extracted from PDF included a null character	Fixed
271588	-	PDF to Text	Module failed to decode some text	Fixed
276454	-	PDF to Text	Double spaces could occur between text strings in jobs after running Tesseract OCR (Forced mode) and PDF to Text modifier	Fixed
272719	-	Tesseract	Improved support for embedded user-words and user-patterns files	Feature enhanced
280631	-	Web apps	Lasernet URLs were not case insensitive	Fixed
278082	-	Web Server	Security patch for configuration, authentication, patching, segmentation and encryption levels	Security enhanced

Lasernet 10.1.2.

Maintenance Report

Internal Ref.	External Ref.	Area	Details	Status
270603	-	Outlook Mail	The multi-request Graph API, introduced in Lasernet 10 to support attachments up to 150 mb, has been temporarily removed because larger attachments did not send. The single-request Graph API has been re-instated while we work on resolving quirks with the multi-request method (ID's and sent items). This will support the sending of files up to 4 mb by removing larger attachments. Now, only attachments in the Outlook Mail output module, also supported by Microsoft in their single request Graph API, will send. **Note:** We are working to restore the multi-request Graph API.	Temporarily fixed
270699	-	Outlook Mail	The error message "Unable to create files" was incorrectly shown when renewing tokens (retainers) in multi-thread mode.	Fixed

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Maintenance Report

Internal Ref.	External Ref.	Area	Details	Status
268856	Freshdesk 22419	Outlook Mail	Error displayed saying that email could not be sent. "Access is denied..." or "Cannot delete mails in sent items"	Fixed
269049	-	Outlook Mail	Activating combining mode in Outlook mail module only attached document from last job	Fixed
269071	-	Outlook Mail	Introducing a validation; jobs/attachments greater than 150MB will now fail the job	Feature enhanced
268221	-	SharePoint	Output module was not able to upload documents only SharePoint commands	Fixed
267641	Freshdesk 22246	SharePoint Output	Did not generate retainer file with access token with running SharePoint 365 with Graph REST API	Fixed
269258	-	Developer	Icon was missing for PDF Form Filler modifiers in diagram mode	Fixed
269438	-	Developer	Icon was missing for 3rd party .NET modifiers in diagram mode	Fixed
269355	-	Developer	Printer Profile issue when opening configuration after having removed default profile from Lasernet Printer Service	Fixed
269439	-	Core	Added AppList as source of Access-Control-Allow-Origin to mitigate Cross Origin Resource Sharing misconfiguration to Lasernet RestServer	Security enhanced
269440	-	Core	Added HTTP Strict Transport Security policy header to Lasernet RestServer	Security enhanced
269441	-	Core	Disabled caching for all responses except on file-based resources used by websites on Lasernet RestServer	Security enhanced
269637	-	XML Transformer Editor	Checkbox for setting Action tools pane to active is now editable	Feature enhanced
268207	-	Developer	Minor fixes and support for additional object types added to the Dependency Walker	Feature enhanced
268122	-	Developer	Added toolbar to Dependency Walker functions in Export Dialog	Feature enhanced
268549	-	Web Client	Server settings are now loaded during start up to avoid a manually clear of local application storage if parameters in server settings have been changed	Feature enhanced
236695	-	Web Client	Manage Access Rights for Client Role on Config Server was not read properly and could cause that a user could list and select a none-allowed server instance	Fixed
267936	-	Web Client	The Select All jobs checkbox has been temporarily removed from UI to avoid heavy load on a server instance storing a large amount of jobs in the selected category (will be introduced again later with a new paging feature)	Fixed temporarily

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Maintenance Report

Internal Ref.	External Ref.	Area	Details	Status
234994	-	Form Editor	Developer crashed when opening forms with non-existing Master reference	Fixed
229732	-	Form Editor	Scrolling text up/down did not always work, in the phrase's preview dialog, for DOCX output format	Fixed
230065	-	Form Editor	In-Place editor mode must de-activate selection of grab files	Fixed
230420	-	Form Editor	In-Place editor mode must ignore text editing of merged rearranges. Minor improvements and more error handling added to In-Place editor	Fixed
232318	-	Form Editor	The form crashed on closing the XSLX output sheet without saving	Fixed
236710	-	Developer	Export Object(s) and Add Form(s) dialogs list contained duplicates for forms and engines	Fixed
235163	-	Core	Validation checks added to the process of renaming a user, group or security role	Fixed
229501	-	Core	LocalDB backup file was not created when backup time was set to option "Scheduled" in server settings	Fixed
230321	-	Core	Crash with SQL Express DB loggin (SAException(NativeCode=1205, Text=Transaction (Process ID 55) was deadlocked on lock resources with another process and has been chosen as the deadlock victim	Fixed
230407	-	Core	Potential race condition in RestServer when removing a controller while a request is in progress	Fixed
234805	-	Client	Various fixes to the 'Show Auto Filter Row' functionality	Fixed
235506	-	Monitor	Licensed modules and general information was missing from the Licensing tab	Fixed
234659	-	OCR Editor	OCR Editor could not open documents via Client App for port numbers other than 33443 (default)	Fixed
250556	21599	OCR Editor	Port Field in OCR Editor was seen as a number and you cannot change it properly	Fixed
226226	-	Job Engine	Incorrect index was used when selecting from JobInfo table in some cases	Fixed
235032	-	HTTP	Running HTTP modifier with a Client Certificate could, in rare scenarios, cause a crash	Fixed
234907	-	OCR Engine	REST API returns an unexpected number of rows, in rare scenarios, when OCR Dictionary is activated but could not connect to DB	Fixed
236282	-	Web Client	Filenames sometimes missing in the Web Client when jobs were paused via OCR Engine	Fixed
268549	-	Web Client	Server settings are now loaded during start up to avoid a manually clear of local application storage if parameters in server settings have been changed	Feature enhanced
236695	-	Web Client	Manage Access Rights for Client Role on Config Server was not read properly and could cause that a user could list and select a none-allowed server instance	Fixed
267936	-	Web Client	The Select All jobs checkbox has been temporarily removed from UI to avoid heavy load on a server instance storing a large amount of jobs in the selected category (will be introduced again later with a new paging feature)	Fixed temporarily
229191	21048	Developer	An import could, in rare scenarios, overwrite existing object w/o notification	Fixed
224160	20662	Forms	PDFs formatted in A3 Landscape where PNG images were cut off at A4 margins	Fixed
234999	16049	Forms	PDF format documents with URL links included in a merged block of text	Fixed
231217	-	Forms	Linefeed before a merged block of Asian characters could cause characters to disappear	Fixed

Internal Ref.	External Ref.	Area	Details	Status
237126	21641	HTTP	Changed error message to warning, on certificates not being marked for client auth; a certificate does not require a list of intended usages	Fixed
235379	21540	OCR	Multiple Supplier Lists files, added to multiple OCR Engines, incorrectly loaded the contents added to the first loaded OCR Engine	Fixed
222624	-	Outlook Mail	Images set to attached in HTML forms was not visible in all mail clients	Fixed
252060	21706	SharePoint	Error parsing result when SharePoint INSERT Command fails, causing Output Port to not fail Job	Fixed
234861	-	OCR	Embedded Dictionary database was not compatible with Microsoft SQL LocalDB 2017	Fixed
235213	-	PDF Merger	Merge error when PDF contains a catalog with indirect reference to a Names dictionary	Fixed
230734	-	Config Server	Crashed if ServerSettings.json is not valid	Fixed

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Maintenance Report

Internal Ref.	External Ref.	Area	Details	Status
226939	-	Server	If Backup for LocalDB was set to On Service Startup and Job Retention was larger than 0, the DatabaseCleaner did not stop running on service startup.	Fixed
227885	-	Server	New system JobInfo introduced, named ConfigRevision, to get the revision of the configuration. In the Developer app, the value is returned as 'Patched' unless an older revision is opened. Lasernet Service returns the deployed revision number.	Enhanced
226710	-	Form Editor	Grab function F12 did not load file into form as in Lasernet 9.	Fixed
224575	Freshdesk 17913	Form Editor	The currency sign "¤" is supported as the ESC character for the hashmark sign "#" if the hashmark is a part of the string in a Fixed Text or a JobInfo value.	Fixed
227384	-	Form Engine	Barcodes were not loaded in EMF/PDF forms.	Fixed
-	-	Web Client	The appsettings file was read from the wrong folder.	Fixed
223729	Freshdesk 17951	XML Transformer	Search dialog did not remember checkmarks settings.	Fixed
259068	-	OCR Engine	Issue when loading multiple OCR Engines in a configuration.	Fixed
-	-	PDF Splitter	Support for splitting PDF documents with barcodes not embedded as an image	Fixed
-	-	Scheduler Input	Scheduler Input jobs did not start at the scheduled time.	Fixed
227138	-	Web Server Input	A ByteArray was not added as Base64 encoded string, but instead as an array of bytes.	Fixed

Lasernet 10.0.

Lasernet Launcher

• A new-look Lasernet Launcher.

Lasernet License Manager

• A 'Client Secret' setting is now required and automatically generated when adding a new instance for Lasernet Server 10 to increase security for Lasernet applications.

Microsoft SQL Server Express LocalDB

• To simplify the installation in a demo or developer environment, Lasernet is delivered with an embedded database as a backend by default.

REST API with OpenID Authentication

• A new REST API and OpenID Authentication replaces the previous SOAP API and Basic Authentication in Lasernet 9 with a modern token or key-based approach.

Lasernet Config 10

Lasernet Config 10 is updated with a new embedded web framework to manage:

• Configurations
• Users and Groups
• Revisions
• History
• Deployments
• Print Servers with settings for Azure Storage Account and Azure Service Bus for easy access to Cloud and On-premise printing.

Lasernet Server

• Added new embedded web framework to manage configurations, users and groups, revisions, history, deployments and Print Servers settings for Azure Storage Account and Azure Service Bus.

Lasernet Developer

- Minor improvements in diagram mode.
- Modules divided into five types of modifiers.
- New resource folder to store cached Windows fonts.
- Shortcut for send grab files to the input folder.
- The list of Print Server names and Connection Strings are now retrieved from the list of Printer Servers added to the Lasernet Config 10 server.

Lasernet Monitor 10

- A new desktop application with improved user experience, reduction in log traffic, a Performance Monitor and a REST API and OpenID authentication communicating with Lasernet Server 10 through the Lasernet Config 10 server.

Lasernet Form Editor 10 (EMF/PDF)

- Easier styling of fonts in Insert Text objects (postponed until beta release).
- Format painter usage for tables across forms in the configuration.
- Removed reference printers' settings in forms to avoid requirements to locally-installed printer drivers.
- Support for Windows fonts to be loaded and stored in the Lasernet Configuration

Lasernet Form Editor 10 (DOCX/PDF/XLSX/HTML)

- Word control is enhanced to support more complex text processing, with text wrapping around tables, widow/orphan control in tables, break table rows across pages and shape enhancements.
- Create HTML documents with mail-merge functionality, as known from Rich Text DOCX/PDF, with DataSet as input.

Lasernet Client 10

- A new web front-end with a clean, flexible and intuitive user interface.
- Optimized for Lasernet Input Management users.
- A centralized web server installation, with a REST API and OpenID authentication, that communicates with Lasernet Server 10 through the Lasernet Config 10 server.

Lasernet OCR

• Improved calculation method for Statistics in Lasernet OCR Engine 10.

The following modules are no longer supported by Lasernet from this version, Lasernet 10:

• Barcode fonts running the Symbology Barcode Profile.

• SAP BC-XOM Input module.

• Microsoft Message Queue (MSMQ) Input and Output modules.

• Google Cloud Printer Input and Output modules.

• Microsoft Fax module.

• DM Archive (replaced with the newer DM Upload).

It is recommended that unsupported modules are removed from the workflow in older configurations before the import of a full configuration in Lasernet 10.

• Due to a certificate update for all our Lasernet Installers, it might be expected that a Windows Defender SmartScreen dialog will pop up when running the installer.

• Windows Defender SmartScreen prevented an unrecognized app error. This can happen when a program installer is new and is not yet recognized as safe by your system. You can work around this error by clicking the **More info** link and then clicking the **Run anyway** button.

Barcode Reader

• A new modifier added to the Input Management package to read and extract barcode names and values from jobs.

PDF Barcode Splitter

• A new feature in the PDF Splitter module for scanned pages in batch jobs separated by barcode.

• Support for UPC-A/E, EAN 8/13, Code 39/93, Codabar, QR Code, Data Matrix, PDF 417, MaxiCode, with the option for others.

• The option to discard separate pages is supported.

Tesseract OCR

• Improved workflow with built-in server module.

• Faster OCR processing with multi-thread processing support.

• Keep text in original PDF document to improve quality of extracted text and values for incoming documents.

- Easier deployment on new or existing servers.

Auto Capture

- A new smart feature in the Lasernet Input Management solution has been added.