



# Publishing Platform for Retail Version 11.0. Release Notes

The Lexmark™ Publishing Platform for Retail (PPR) signage solution is a system for printing and publishing signs, labels, and tags that are used in retail stores.

The system is also used for the following tasks:

- Printing paper signs using in-store laser printers
- Producing large volumes of press-ready output using high-speed printers at a central location
- Printing signs and labels using a mobile device or wireless computer
- Publishing digital signs, electronic shelf labels, or digital displays

This document provides information on the versions of PPR and its release history.

## PPR version 11.0 components

Component	Version number
In-Store Publisher	11.0.0.150
Publishing Services	11.0.0.92
Central Publisher	11.0.0.41
Platform Administrator	11.0.0.41
Signage Administrator	11.0.0.41
Template Designer	11.0.0.11
Publishing Engine	11.0.0.16
Publishing Manager	11.0.0.41
Export Utility	11.0.0.6
In-Aisle Publisher	11.0.0.41
Database	11.0.0.143
Publishing Authenticator	11.0.0.7
Template Migration Utility	11.0.0.3
Digital Media Export	11.0.0.47

**Note:** PPR version 11.0 web components work with Print Control Service version 11.0 or later.

## Release history

### Version 11.0, released October 2024

#### Lexmark Publishing Solutions

- Users can go to a preferred application dashboard from the main dashboard after login depending on their access rights.

#### In-Store Publisher

- Performance improvement during sign creation.
- Upgraded the CUI to v16.

#### Platform Administrator

- Discontinued. Moved the content to Signage Administrator.

## Signage Administrator

- Improved usability of all administrative activities, consolidating UI Configuration, Portfolio, Digital Publishing, and LEAP.
- Improved usability of digital publishing administration based on pilot customer feedback.
- Added support for Item Library configuration under UI Configuration for the Publishing Manager app.

## Central Publisher

- Added support for digital publishing through a central automated publisher.
- Added support for LEAP through a central automated publisher.
- Added support for a maximum budget for a single ad post for LEAP.

## Publishing Manager

- Migrated the Batch Distribution functionality from the “legacy” publishing manager. Batch distribution schedule later is not included.
- Added support for Managing Item Library in the new Publishing Manager.

## In-Aisle Publisher

- Added support for a maximum budget for a single ad post for LEAP.

## Publishing services

- Added support for LEAP and Digital Publishing.

## Engine

- Added support for LEAP.

## Database

- Added database-related changes in the Readme file.

## Issues fixed

- **Digital Media Core**
  - Incident # 742120: Digital Core Connector now works in a load-balanced environment.
  - Incident # 740246: Infostation Digital Publishing status message from IAP now reflects the correct state.
- **In-Aisle Publisher**
  - Incident # 739610: Server-side printing now honors Default Printer.
  - Incident # 736226: Print sign from build batch page now marks all signs within batch with the same templates as printed.
  - Incident # 733500: Adding from library to batch is now faster.
  - Incident # 731106: Special characters in the URL are now handled.
- **In-Store Publisher**
  - Incident # 739530: Print requests for a batch are no longer limited to 25 templates.
  - Incident # 737892: Filters no longer collapse after making a selection.
  - Incident # 737838: In the Edit screen, the Save/Cancel button is no longer sticky.
  - Incident # 735146: Filter history is now preserved when filtering two or more options after editing a sign.
  - Incident # 733209 and 727635: Configuration options are added for Batch Print Status Mapper and Sign Print Status Mapper.
  - Incident # 732722: Multiple-item record deletion is now allowed.
  - Incident # 732531: UDO TotalPages now reflects the correct total pages when printing signs.
  - Incident # 734540: The Library Filter order now appears as expected.
  - Incident # 730372: Manifest Print no longer becomes unresponsive.
  - Incident # 730033: Using Change Template with multiple signs is no longer an issue.
  - Incident # 729277 and 728184: Performance has been improved.

- **Web Services**

- Incident # 737089: The Filters field on the /LexmarkPublishingServices/api/BatchesInfo API endpoint is no longer vulnerable to an SQL injection attack.
- Incident # 739528: API/paper is no longer affected by the limit of query parameters.

- **Export Utility**

- Incident # 733919 and 723203: SGPORTFOLILOGROUP and SGPAPER tables are now populated when using the Export Utility.

- **Engine**

- Incident # 730035: Sign Print no longer has missing elements.

## **Version 10.9, released February 2024**

### **In-Store Publisher**

- Added support for the Configurable Action button.
- Added support for Page Range with page breaks.

### **Platform Administrator**

- Added support for the ISP application settings.
- Added support for the Configurable Action button.

### **Signage Administrator**

- Added support for the Configurable Action button.
- Added support for ISP Application Settings (Platform Administrator).
- Added support for HTML based template forms.

### **Publishing Manager**

- Added support for the distribution of batches.
- Added support for store lists.

### **In-Aisle Publisher**

- Added support for LEAP:
  - Activity logging and persistence
  - Audience region
  - Limit per day
  - Support for multiple connectors and accounts

### **Publishing services**

- Added capability to set various boosts and digital media-related configurations and logins.
- Added capability to support publishing manager features or functions.
- Added capability to work with HTML forms.

### **Engine**

- Added support for LEAP.

### **Issues fixed**

- **In-Store Publisher**

- Incident # 719402: Sign batch status is now updated when editing or creating Sign Item records.
- Incident # 719521: Print preview now includes background images.
- Incident # 720920: ISP breadcrumbs now take the user back to the view shown, instead of taking them back to the default view unexpectedly.

- Incident # 722400: Print jobs UI is now limited to 25 rows.
- Incident # 721978: Print jobs UI can now be sorted not only by pagename (alpha).
- Incident # 726324: All batches can now be deleted from view when facet data has an apostrophe.
- Incident # 723198: Tax rate entry performance has been improved.
- Incident # 725775: Edit form sign preview performance improved in GDI.
- Incident # 725365: ISP no longer prints only the first page of multi-page jobs listed in the Print Jobs UI.
- Incident # 724982: ISP now renders all signs with content.
- Incident # 726645: Print job page range now works as expected.
- Incident # 722916: ISP views using the !Exists operator no longer results in failure or wrong syntax in CMS page.
- Incident # 721974: PPR no longer shows unexpected latency in PCS, both enabling Print button then updating status in UI for the printed jobs.
- **Publishing Service**
  - Incident # 721445: POST api/SignItems now support numeric data types.
  - Incident # 727789: Customer login failures now forward requests to the application servers as **HTTPS/443**.
  - Incident # 719925: Print signs from an ISP now log the SignID in the AvPublishingActivity table.
- **Engine**
  - Incident # 716231: Preview now works when templates have two layers deep.
  - Incident # 718599: GDIPLUS with layers scaled in frames shift layers and their contained elements of the expected x/y positions.
- **Central Publisher**
  - Incident # 717271: Central Print Batch Status updates are now updated in a timely manner.
  - Incident # 722453: Central Print no longer receive deadlocks when running a large print volume.
  - Incident # 710871: Central Print Partial Status Batch.
  - Incident # 720447: PPR 10.8: CAP Error When Logging to AVPublishingActivity is now resolved.
  - Incident # 724592: Paper Tray support for CAP.
  - Incident # 722393: Paper Tray support for CP.
- **In-Aisle Publisher**
  - Incident # 716820 IAP Multi-Item Header information is no longer overwritten by item data.
- **Lexmark Publishing Authenticator**
  - Incident # 725424: SSO ISP login no longer gets a blank screen when special character (ë) is part of the first name.
- **Publishing Manager**
  - Incident # 712252: Batch distribution performance improvement while using store-specific pricing.
  - Incident # 725121: PPM and IAP issues with integration with F5 SSO are solved.
  - Incident # 727928: Platform Administration now appears in TextAreaSpell edit form control type.

## Version 10.8, released July 2023

### In-Store Publisher

- Added support for Bump Page in Print UI for Print Control Service 11.1 or later.
- Added the following enhancements for Express Sign Entry:
  - Filtering the template list
  - Searching for signs and batches using multiple sign attributes
- Added support for Advanced Sign Search.
- Added support for adding and editing signs from the Item Library.
- Added a default landing page for tax value update that appears after you log in.
- Added configuration support for the Batch Edit and Copy buttons.

- Added configuration support for Batch Expire Date and Batch headers.
- Improved the performance for the Batch and Sign pages.

## Signage Administrators

Added support for Template Portfolio and Multiple Template Group.

## In-Aisle Publisher

- Added support for LEAP and Advertisement to Facebook (Meta) and Digital Publishing (Infostation and Pricer).

## Publishing Services

- Added the capability for publishing signs directly to digital devices and social media.
- Added the capability manage templates, template assignments, template groups, template suites, and paper types through the API.
- Added the capability to associate templates with multiple template groups.

## Engine

- Updated third-party libraries for Boost, Poco, Xerces, and ZLib.
- Improved logging capabilities.
- Added support for DataMatrix barcodes.

## Issues fixed

### • In-Store Publisher

- Incident # 706706: The logout issue of the In-Store Publisher (ISP) v10.7 from the ViewSign UI page is resolved.
- Incident # 707999: The Express Entry field now allows area or area-type values.
- Incident # 711333: When users search for items using the search option of the EditForms tab, the search results now appear as an ordered list.
- Incident # 711069: When users search for invalid items using the search option of the EditForms tab, no search item appears.
- Incident # 710068: The Discard Changes message no longer appears when there are no changes made in EditForm.
- Incident # 709949: There are no issues when Labels is set at the default option for Batch Type.
- Incident # 705970: The issue about selecting page ranges while printing a template with page breaks is now fixed.

### • Publishing Service

- Incident # 695121: Intermittent periods of unexpected **401** errors generated by web services when using Single Sign-On (SSO) are solved.

### • Template Designer

- Incident # 701470: The Special bar-code property in Template Designer now works for any region setting.
- Incident # 706120: The **Select Case** function no longer shows UDO data if the selected value is empty.

### • Engine

- Incident # 696984: Some line-wrapped elements now observe line breaks after a space.
- Incident # 694406: The Montserrat font now correctly renders with GDIPLUS.
- Incident # 709776: No message appears when the result of the rule on the Graphics element is FALSE.
- Incident # 707096: The preview issues of templates with page breaks and selected reset page numbers are now solved.

### • Central Publisher

- Incident # 703748: The Central Publisher Print Control now works properly when the back-end job rendering is set up.
- Incident # 706223, 701977, and 701450: The CAP performance improvement and multi-threading issues are solved.

### • In-Aisle Publisher

- Incident # 707658: Selecting the **Multi-Item** sign in the build batch menu now works properly.
- Incident # 707659: The Sign Audit function error that appears after you click either the **Verify** or **Wrong** buttons after scanning an item is solved.
- Incident # 707660: The Batch Type now appears by default after you `scan an item.

- Incident # 717122: The issue regarding the wrong template list showing up in stores in version 10.7 is now fixed.
- Incident # 717387: The issue regarding the wrong batch showing up in stores in version 10.7 is now fixed.
- **Lexmark Publishing Authenticator**
  - Incident # 706707: The newer version of Microsoft .NET Windows Server Hosting is now supported.
- **Upgrade Assistant**
  - Incident # 706870: The non-C: drive upgrade now works properly.

## Version 10.7, released January 2023

### In-Store Publisher

- Added Vault, Log Monitor, and Message Queue support for container.
- Added Single Sign-On (SSO) support in AKS (Containerizing Authenticator).
- Users can filter Template list as per Sign Item data during Change Template.
- Users can go to a preferred landing page other than the dashboard after login.
- Added configuration to remove the Auto Assign Template option.
- Added support for multiple print drivers in server-side printing.
- Added support for Express Batch builder.
- Users can lookup the item details from the Sign Edit page after entering Item ID/UPC.
- Added enhanced support for Print Manifest.
- Added support for preview zoom.
- Added support for hyperlinks in Sign View grid.

### Publishing Services

- Users can filter Template list as per Sign Item data during Change Template.
- Added Vault, Log Monitor, and Message Queue support for container.

### Platform Administrator

- Users can configure the Template list as per Sign Item data.
- Users can go to a preferred landing page other than the dashboard after login.
- Added configuration to remove the Auto Assign Template option.
- Added support for multiple print drivers configuration for server-side printing.
- Users can configure item details lookup from the Sign Edit page after entering Item ID/UPC.
- Added support for any profile property for both batch-level profile classes (BatchType and BatchSource).
- Added support for configuring hyperlinks in Sign View grid.

### Signage Administrator

Added support for layers and frames for template import or export.

### In-Aisle Publisher

Added support for digital publishing.

### Template Migration Utility

Added support for layers and frames for template import or export.

### Install/Upgrade Assistant

Added support to upgrade all components (except Database) to the latest version preserving the existing configuration file contents (version 10.4 or later).

## Issues fixed

### • In-Store Publisher

- Incident # 698738: Users can now save an item when updating a sign in the Edit Form, even if the item does not exist in the ItemLibrary table.
- Incident # 696982: Change Template list shows all templates that are configured in the portfolio.
- Incident # 696861: Item library is filtered based on the area type selected in the AvAreaType table.
- Incident # 695964: Date and time for the sign batch status are now available.
- Incident # 701471: Resolved the issue with Creating Signs From Template (Ad Hoc) multiple workflows.
- Incident # 702385: CreateDate for SignBatch and SignItem records is now populated.
- Incident # 694222: Clicking the **Change Store** button does not bring users to the home screen anymore.
- Incident # 694199: Users can now preview and scroll all images in the edit form.
- Incident # 694209: Save button in the edit form now works accordingly.
- Incident # 694325: Default value is now saved in the read-only field of the edit form.
- Incident # 694648: Resolved the issue with non-numeric characters in store numbers.
- Incident # 695088: PrintAPI SGSYSTEM value is no longer case-sensitive.
- Incident # 692484: Print status now gets updated after printing from the edit form.
- Incident # 693034: Sign grid now persists after any change.
- Incident # 695163: A leading zero is now applicable in the search.
- Incident # 696771: Copies field in Edit Form now allows a zero.
- Incident # 694515: The search feature is now consistent.
- Incident # 700938: Resolved the issue with Manual Entry Adhoc Batch Print.
- Incident # 700856: User can now type faster in the In-Store Publisher Edit Screen.
- Incident # 702371: Users can now search numeric column data.
- Incident # 704263: Users can print Databreak first sign in server-side print.
- Incident # 690484: Now signs can be selected faster in grid.

### • Publishing Services

- Incident # 695787: Added support for authenticating without validating token signatures.
- Incident # 698280: Filters can be passed for new change templates when using store procedures.
- Incident # 700353: Data type image and money are now supported in Webservice.
- Incident # 701911: Resolved the issue with In-Store Publisher SSO login.
- Incident # 692757: Oauth calls response time has been improved for a user having thousand stores.

### • Publishing Manager

- Incident # 696060: The Select Stores option for batch distribution now works accordingly.
- Incident # 694752: Signs can now be selected faster in grid.

### • In-Aisle Publisher

- Incident # 697685: Printing manually entered IP address now works with GDIPLUS.

### • Engine

- Incident # 700650: Images are now rendered correctly with GDIPLUS.
- Incident # 698028: High RAM utilization by Engine has been reduced.

### • Template Designer

- Incident # 683350: Custom font name is added correctly in the configuration file.

### • Database

- Incident # 695786: Upgrade scripts can now run on a server that is remote to SQL Server.

# Version 10.6, released July 2022

## In-Store Publisher

- Access URL has changed from *LexmarkPublishingInStore* to *LexmarkPublishingSolution/#!/App/InStore*.
- Added support for profile property **SGEditOverride** to access different sign edit forms based on the profiles.
- Added support for **Print Manifest** of a batch.
- Improved UI accessibility by complying with WCAG 2.1.
- Users can update the store-level Item information from the sign edit page.
- Improved usability of Print UI.
- Troubleshooting dialog is available only for users having **Troubleshooter** attribute enabled for viewing and modifying advance print options during print.

**Note:** User must upgrade to Print Control Service 11.0.4.47 to enable all the troubleshoot features.

- Improved usability in the printer selection page.
- If any client-side or last-used printer is not available, then users can automatically select the default server-side printer.

## Publishing Services

- Added support for two new API endpoints to execute customized queries to fetch or update data.
- Added support to deploy and run Publishing Services in AKS for PostScript/Output endpoints with auto-scaling features (simplified basic deployment).

## Platform Administrator

- Added support to enable the **Troubleshoot** attribute for a user.
- Added support to identify a store-level default printer.

## Signage Administrator

- A new administrator tool to support configuring the product from the improved administrator interface.
- Added support to configure the home screen.
- Added support to configure the **Date** type filter in the Batch, Sign, and Item Library pages.
- Added support to import and configure templates from a ZIP or PTF file.
- Added support to export the existing template to a file without layers.

## In-Aisle Publisher

Added support to select the default printer for the store and auto-select the default printer if any last-used printer is not available.

## Template Migration Utility

- A new desktop utility to manage the template movements.
- Added support to export a template as a file to the local machine without layers.
- Added support to import a template file (PTF) to the attached database without layers.

## Issues fixed

- Incident # 680727: In Database, CMSContent data update is now more accurate.
- Incident # 659183: In Engine, user can print the rotated text elements in the correct position with GDIPLUS.
- Incident # 679689: In Engine, Zooja font is now rendered correctly with GDIPLUS.
- Incident # 679290: In Engine, user can now preview poster-size templates.
- Incident # 670483: In Engine, user can now use a specific database connection.
- Incident # 684376: In Engine, scale to Fit With Line Wrap Center Align element is now rendered correctly with GDIPLUS.
- Incident # 688847: In Engine, data in call now supports non-English characters.
- Incident # 677606: In In-Store Publisher, user can receive an appropriate session expiring message.



- Incident # 679638: In In-Store Publisher, user can select the previously selected printer when using server-side printing from a tablet running the Android platform.
- Incident # 683362: In In-Store Publisher, client-side printing now supports media type.
- Incident # 683960: In In-Store Publisher, after printing, the item-selection step is now configurable.
- Incident # 682448: In In-Store Publisher, added support for tray IDs.
- Incident # 682749: In In-Store Publisher, in the print control page, total sign count now shows as total signs to be printed.
- Incident # 684940: In In-Store Publisher, added support for relative date calculation in CMS - Add Query with date parameters.
- Incident # 686263: In In-Store Publisher, some multiple-item sign-creation issues are now fixed.
- Incident # 682024: In In-Store Publisher, in the print dialog, client-side printing setting for job copies now work correctly.
- Incident # 683010: In In-Store Publisher, **Change Template**, **Change Copies**, and **Template** filtering profiles are introduced.
- Incident # 680782: In In-Store Publisher, **Sign Delete** profile is introduced.
- Incident # 683080: In In-Store Publisher, users can preview the large-format sign anchor image on the Create/Edit page.
- Incident # 683331: In In-Store Publisher, improved the SSO intermittent state.
- Incident # 683148: In In-Store Publisher, improved the preview performance option.
- Incident # 687426: In In-Store Publisher, multi-item signs from Create/Edit now show the correct number of items added.
- Incident # 687638: In In-Store Publisher, Add From Library UI filter now properly works in Spanish and French languages.
- Incident # 688090: In In-Store Publisher, Edit Form print button is now active if edit form has all items, except copies, set to read only for store users.
- Incident # 688620: In In-Store Publisher, on the Sign Item grid, user can individually select more than 38 signs.
- Incident # 688881: In In-Store Publisher, ComboBox on the Edit Form now works properly when datasource is a numeric field.
- Incident # 689117: In In-Store Publisher, Sign Preview from item grid now works correctly after changing the template.
- Incident # 689343: In In-Store Publisher, signs are not skipped on the edit forms in a Batch.
- Incident # 682510: In In-Store Publisher, filters and advance search parameters now work properly in the Create/Edit screen.
- Incident # 679804: In Publishing Services, users can download the Graphic images whose file names contain special characters.
- Incident # 679949: In Publishing Services, users can download fonts that have a space between hyphens in the font name.
- Incident # 682193: In Publishing Services, users can preview a sign and the template description.
- Incident # 689893: In Publishing Services, ChangeCount and ChangeTemplate now work properly when DDLEVENT table row reaches certain limit.
- Incident # 691296: In Publishing Services, ChangeCount and ChangeTemplate now work properly when DDLEVENT table data contain certain datatypes.
- Incident # 683193: In Authenticator, domain\_hint and other parameters are now allowed.
- Incident # 682118: In Central Automated Print, users can successfully run the CentralAutomatedPrint.exe file.
- Incident # 688007: In PPM, multiple-Item edit forms now display the FileSelector pop-ups correctly.
- Incident # 689118: In PPM, resolved the issue with adding properties to the profiles.
- Incident # 681834: Export Utility now can be installed in Spanish on Windows 10.

## Version 10.5, released January 2022

### In-Store Publisher

- Users can change copies of multiple signs together from the sign page.
- Users can set a start-at-page position on the N-up paper, instead of the default first place.
- Filter and search results remain in the workflow until the user changes or clears the options.
- Selection of signs and batches remains in the active workflow.
- Added support for Windows Server 2022 operating system.

## **Publishing Services**

- When publishing from item data provided as input using itemData parameter, the data must be input as JSON objects.
- Improved response message for publishing services and logging for debugging.
- Added support for Windows Server 2022 operating system.

## **Central Publisher**

Added support for Windows Server 2022 operating system.

## **Platform Administrator**

Added support for Windows Server 2022 operating system.

## **Template Designer**

Added support for Windows 11 operating system.

## **Publishing Engine**

- Improved security by upgrading the third-party library apache/xerces-c..
- Added support for Windows Server 2022 operating system.

## **Publishing Manager**

Added support for Windows Server 2022 operating system.

## **Export Utility**

Added support for Windows 11 operating system.

## **In-Aisle Publisher**

Added support for Windows Server 2022 operating system.

## **Database**

Added support for Windows Server 2022 operating system.

## **Publishing Authenticator**

Added support for Windows Server 2022 operating system.

## **Issues fixed**

- Incident # 666778: In Engine, scale-to-fit elements with special fonts now render correctly with GDIPLUS output.
- Incident # 634376: In In-Store Publisher, filter now works when data has space (" ").
- Incident # 674373: In In-Store Publisher, users can now set the default duplex print option.
- Incident # 674143: In In-Store Publisher, continuous paper thumbnail image download is now restricted.
- Incident # 672853: In In-Store Publisher, when OPTVALUE is empty or NULL, SGEDITOPTS label value shows empty or null.
- Incident # 672849: In In-Store Publisher, the grid shows the date value as empty when the date field is empty.
- Incident # 657544: In In-Store Publisher, users now receive an error message if the Shift + click function is not supported.
- Incident # 675673: In In-Store Publisher, all the templates now load when the user logs in.
- Incident # 675060: In In-Store Publisher, StatusDate field is now available in CMS.
- Incident # 675675: In In-Store Publisher, EditName field is no longer an attribute to determine the type of template.
- Incident # 676430: In In-Store Publisher, the SSO login bypass does not support direct logging out from the SSO process.
- Incident # 677156: In In-Store Publisher, users can now apply filters when search criteria have special characters.
- Incident # 677150: In In-Store Publisher, users now have localization options when copying to a different batch.
- Incident # 678243: In In-Store Publisher, users now have localization options when changing the store page.
- Incident # 677990: In In-Store Publisher, users can update the SignBatchState field for all cases.
- Incident # 677898: In In-Store Publisher, the change template modal is now searchable if the template size data is null.

- Incident # 674258: In Publishing Services, resolved the issue with long token length when the user is assigned to many stores.
- Incident # 676866: In Publishing Services, improved the sign fetch query and added timeout configurability.
- Incident # 675641: In Publishing Services, the audience attribute is now optional.
- Incident # 677259: In Publishing Services, users can now install Template Designer in Spanish on Windows 10.

## Version 10.4, released September 2021

### In-Store Publisher

- Restricted sign/batch edit and delete permissions by batch source, role, store, and store group.
- Configured multiple In-Store Publisher configuration parameters through In-Store Publisher profile and properties.
- Received real-time item prices and other item information from external sources during sign creation.
- Enhanced logging activity details for signing in, signing out, and editing signs activities in the AvPublishingActivity table for reporting
- Routed print job to printer via IP/DNS Winsock. Administrators can configure this feature at any profile class level.
- PostScript® emulation native printing for both server and local printing. Administrators can configure this feature at any profile class level.
- Configured different Print Control properties (output types, print methods, and access levels) from In-Store Publisher Configuration. Administrators can configure this feature at any profile class level.
- Used **Template Assignment Rule** as defined in Platform Admin when creating or modifying signs. Administrators can configure this feature at any profile class level.
- Worked with Print Control service regardless of application version. Users must install Print Control version 11 or later.
- Localized batch view, name, and description, in both the home page and **Batches** page with configurable values.
- Improved security by upgrading third-party libraries.
- Upgraded the underlying UI framework to Angular 10.

### Publishing Services

- Enhanced logging activity details for signing in, signing out, and editing sign activities in the AvPublishingActivity table for reporting.
- Improved store level data access security.
- Improved security by upgrading third-party libraries.
- Simplified the installation process by removing database from the installer.
- Upgraded the underlying Microsoft .NET Framework version to 4.8 for better performance and security.
- Modified the install and uninstall SQL scripts and combining with database upgrade scripts.

### Central Publisher

- Enhanced activity logging values for publishing, signing in, and signing out in the AvPublishingActivity table for reporting.
- Worked with Print Control service regardless of application version. Users must install Print Control version 11 or later.
- Enhanced publishing activity logging for automated and server-side print.
- Improved sign and batch print status for partial and complete print.

### Platform Administrator

- Upgraded the underlying Microsoft .NET Framework version to 4.8 for better performance and security.
- Removed unused In-Store Publisher configuration keys from the installed master data.

### Publishing Engine

- Improved error message in publishing call response.
- Published from item data provided as input using a new parameter switch (-e), data input accepted as JSON objects.
- Published with multiple custom schema/data structures when using new parameter switch (-e), schema definitions defined as JSON objects.

## Publishing Engine for Linux

Modified Linux OS support statement, including addition of RHEL 8 support.

## Publishing Manager

Upgraded the underlying Microsoft .NET Framework version to 4.8 for better performance and security.

## In-Aisle Publisher

- Enhanced activity logging values for publishing, signing in, signing out, and editing signs in the AvPublishingActivity table for reporting.
- Upgraded the underlying Microsoft .NET Framework version to 4.8 for better performance and security.
- Enhanced publishing activity logging for server-side print.

## Database

Supported database upgrade by retaining existing In-Store Publisher configuration (CMS) through command execution.

## Publishing Authenticator

This new component supports the following:

- Single Sign-On (SSO) functionality for all PPR UI applications through OpenID Connect protocols against any OpenID Connect-certified provider.
- SSO for all PPR UI applications through ADFS 2k12 R2 through OAuth 2.0 protocol.
- Database-based login through a configuration that bypasses SSO login.
- Auto provision of user through configuration.

## Issues fixed

- Incident # 640229: From In-Store Publisher, template assignment rule can be applied.
- Incident # 668056: In Web Services, response timeout is now configurable for In-Store Publisher.
- Incident # 667394: In In-Store Publisher, printing multi-Item signs now support the print ordering defined in CMSPage Print\_Control.
- Incident # 666143: In stores with no batches, fixed the errors with creating signs.
- Incident # 663780: Issues fixed with blank screens in different In-Store Publisher pages.
- Incident # 662984: In Engine, the data break of a multiple-item sign is now applicable only to header data.
- Incident # 661110: In In-Store Publisher, the sign preview with multiple-item signs that include sign break elements now only shows the sign.
- Incident # 658361: In Engine, data field object processing time now stands same as expression objects.
- Incident # 654601: In Engine, data break now applies to second-page-break conditions as well.
- Incident # 652587: In In-Store Publisher, the region value is now applicable to batch events and source menus.
- Incident # 652586: In In-Store Publisher, Starting Date and Expiration Date now show the correct format.
- Incident # 650177: Microsoft Azure Active Directory (AD) SSO works in a load-balanced environment.
- Incident # 650142: In PPM, users can add signs to two different batches appearing in different tabs.
- Incident # 649654: Central automated print file name is now configurable.
- Incident # 635970: Template designer now shows the rules in alphabetical order.
- Incident # 635980: Template designer now shows the updated description, if applicable.

## Breakage introduced

Incident # 634376: In In-Store Publisher, reintroduced defect related to filtering when data has space (" ").

## Version 10.3, released December 2020

### In-Store Publisher

Added support to enable the following:

- SSO integration with Azure AD.
- Preselecting the last used printer or Windows default printer from the Print Jobs window.
- Configuring default sort columns in Batch, Sign, and Item Library grids.
- Automatically selecting the tray information based on the configuration and availability.
- Navigating to the target batch directly after copying a sign.
- Editing of the batch header information from the sign view page.

### Print Control Service

Restricted access to print control service remotely. Users can access print control only from the same client.

**Note:** Run a patch on the previous versions of In-Store Publisher and PPM if coexistence of multiple print control versions is required in the client machine.

### Publishing Manager/Platform Administrator

Modified Internet Information Services (IIS) prerequisites.

**Note:** For more details, refer to the PPM Installation guide prerequisite section.

### Issues fixed

- Incident # 641547: Network mapped client printers (for example, \\server\printer) are now accessible from the Print Control.
- Incident # 640917: In In-Store Publisher, fixed the issue on searching and filtering sign or label records with 0 copies.
- Incident # 641099: In In-Store Publisher, fixed the issue on print window showing a spinning image instead of the selected paper.
- Incident # 644124: In In-Store Publisher, fixed the issue on using the up and down arrow keys from the keyboard, in the View Sign grid inside the copy column.
- Incident # 643773: In the configuration batch view, fixed the issue on the error with any date type facet.
- Incident # 645072: In In-Store Publisher, fixed the issue on the search and filter combination in the item library.
- Incident # 644122: In In-Store Publisher, fixed the issue on the narrow grid columns.
- Incident # 640946: In In-Store Publisher, fixed the issue on the Central Print Status filter facet returning multiple **Not Printed** values when statuses are associated with different batches in a view.
- Incident # 640977: In Print Control, resolved the tray locking issue.
- Incident # 643534: In Engine, fixed the issue on duplicate sign printing when a sign break is used in the template.
- Incident # 643534: In Template Designer, updated the sign break UI to fix the reset page number issue for Page Break.
- Incident # 647642: In In-Store Publisher, fixed the issue on printing any sign or label with 0 copy.
- Incident # 647309: In In-Store Publisher, fixed the issue on manually copying a huge number of signs to a new batch which was restricted before due to long URL.
- Incident # 647473: In Print Control, fixed the Check for Server Certificate Revocation setting in Internet Explorer 11 to stop receiving the service error.

## Version 10.2, released September 2020

### In-Store Publisher

- Upgraded with Angular 8–based implementation.
- Added support for creating a sign from the planogram.
- Choose Template/Change Template UI is now configurable through the API.
- Restored and enhanced Publishing Activity Logging.

## **Publishing Services**

Restored and enhanced Publishing Activity Logging.

## **Publishing Manager/Platform Administrator**

- Upgraded with DevExpress v19 based implementation.
- Removed unused functionalities—Datasource and Director.
- In the Template > Template Info section, Max Items Per Sign (old label: Max Items) and Signs Per Page fields have been marked as required.
- Added SSO support with Azure AD for user authentication and provisioning.

## **Template Designer**

- Added support to function properly for non-administrator users.
- Added support to work with Digimarc encoding as a new bar code symbology. Additional licensing is required.

## **Print Engine**

- Upgraded to LEADTOOLS v20 for the rendering engine.
- Removed support for IsapiFilter. Instead we recommend using IIS built-in Request Filtering module.

## **Export Utility**

Added support to function properly for non-administrator users.

## **In-Aisle Publisher**

- Added support to configure the fields in Price Check.
- Added support to configure the fields in Build Batch > Single Items Sign, Multi Items Sign (for the header and child items), and Copy from Existing Batch.
- Added SSO support with Azure AD for user authentication and provisioning.

## **Database**

- Added support for ODBC Drivers for SQL Server v17 in Windows server.
- Made all schema and data changes between v10.1 and v10.2 available as script files. Refer to Documents/UpgradeScripts.zip for details.
- Added support for SQL Server 2019.
- Deprecated PLANO48 template and instead we introduced FDSTRIP. Existing signs in the sample database using PLANO48 template is now replaced with FDSTRIP.

## **Discontinued support for**

- SQL native client for SQL database connection.
- Template Designer in Windows 7 and all PPR components in Windows Server 2008.
- Earlier version of AV\_AddPlanoToBatch stored procedure signature. It must be updated according to the new stored procedure.
- All the x86 component builds except the Print Control Service.

## **Issues fixed**

- GDIPLUS method of rendering is now compatible with Windows socket printing via API calls.
- Modified CloseSocketWait to restrict the engine from terminating the print jobs.
- Fixed issues for certain socket print jobs which generate endless print streams to Zebra printers.
- Resolved intermittent missing print issue due to improper rules in template.
- Fixed issues for a few scenarios where the central print jobs create blank signs.
- Correct response code is received when a query or stored procedure fails in any publishing request.
- No data is lost for large print job when a wrong response is received.
- Resolved socket closing issues when Windows socket printing is done via API calls.

- Resolved issue for large text in Zooja Pro font which floats too high on the In-Aisle Publisher preview.
- Applied security fixes for POC option 7&DOWNLOADFILE to restrict unauthenticated download of any file from the server.
- Rule drop in the data source window is now showing all ruletype=2 in the **SGRule** table.
- In Template Designer, fixed the Undo function when a frame is deleted.
- Layer rule descriptions are not lost when a large number of layers are created.
- Resolved the rotating frame issue while printing in 2UP template.
- Fixed issue when exporting template from Microsoft SQL to Oracle related to orphan rows in database and concurrency.
- In Publishing Manager, added a filter function for the date option using < and > attributes.
- Fixed supporting multiple drop-down in Sign Edit form in Publishing Manager, when at least one of source drop-down values is an SQL statement.
- Fixed the Platform Admin date-time issue for Spanish language.
- Extended search in Publishing Manager now works faster to render data in the UI.
- Fixed the large job preview issue in Publishing Manager by allowing timeout configuration.
- Localized date is now supported for IAP Sign Audit.
- In IAP, the date fields can now be filled as text entry in the Edit Item section.
- Publishing Service now supports the customized view names.
- Publishing Services supports TLS 1.2.
- API/PublishPostScript/File returns a response code on success as specified in the API guide document.
- Status date can be recorded whenever the batch is printed.
- API/Resources endpoint now allows OTF fonts to be downloaded.
- As a security fix, API/Resources restricts download of any file outside the allowed directories.
- In In-Store Publisher, NLS support for Dutch is added.
- User can configure the advanced search feature from the Batch, Sign, and Item library.
- In In-Store Publisher, the filter and search functions of the grid can support data with space, empty string, and null value.
- Configuration of Dashboard tiles (only the tiles) is now possible in In-Store Publisher.
- Date picker option is available in the sign edit form in In-Store Publisher.
- Fixed data loss in the Manual Sign Edit page in In-Store Publisher during navigation.
- Applied improvements in the Sign Preview window.
- In In-Store Publisher, the date filter now shows a space between the From and To fields.
- Fixed the rearrangement of columns in the In-Store Publisher batch view configuration page.
- Last set language remains pre-selected in the Change Language options in In-Store Publisher.
- Removed extra blank row and column from the grid in Batch View page in In-Store Publisher.
- Fixed Batch Print Status for batches having signs with zero copies.
- Resolved the static image download issue in Internet Explorer for hosted customers.
- Removed the garbage characters from Danish and Norway languages.
- Correct publisher name is displayed when uninstalling Print Control.
- Resolved the paper-tray selection issue on the third job in a loop in a batch in a specific scenario.
- Print control now loads the UAC limitations error message.
- Print Control timeout is configurable to preview the large complex batches.
- Fixed Microsoft Print-to-PDF-hang issue while printing through Print Control.
- User can lock the printer tray selection box using the print control settings.
- Enhanced loading of localized strings in the Sign Edit page.
- Fixed security issue of privilege escalation in PPM in classic AD/Azure AD SSO environment.

## Version 10.1, released December 2019

### In-Store Publisher

- Added support for web browser back, forward, and refresh functions.
- Added support for tabbed browsing.
- Added ability to remember grid page numbers.

### Print Control Service

Added support for multiple-user active sessions.

### Publishing Manager

Added support for grid configuration.

### Other platform updates and fixes

- Security improvement.
- Added support for the Windows Server 2019 operating system.
- Fixed the following issues:
  - Distorted bar codes.
  - Bar codes that cannot be scanned.
  - Continuous print jobs that are sent to the printer using the ZebraDesigner driver.
  - Rule drop in the data source window not showing all rules in the **SGRule** table.
  - Fast control switching not working on Print Control Service.

## Version 10.0, released September 2019

This release introduces a new design for the In-Store Publisher component.

### In-Store Publisher

- **Improved security and adaptability**—The In-Store Publisher component of PPR is built on an advanced application-development platform. The platform improves the security and makes In-Store Publisher accessible in mobile devices.
- **Dashboard**—The In-Store Publisher home page is updated to include six common tasks in grid view.
- **Tree-filter view**—Narrow down the search results using the tree filter.
- **Improved search**—Define search criteria to get specific search results.
- **Browser-based print control**—Use print functions without installing the Print Control client.
- **Live sign preview**—Preview the label immediately.
- **Administrator page**—Configure the following In-Store Publisher features:
  - **Custom UI**—Change the UI strings.
  - **Grids**—Set the batch and sign view pages to grid view.
  - **Tree Filter**—Configure the sign and batch view parameters that appear on the tree-filter view.
  - **Search**—Specify the batch and sign columns that are searchable.
  - **Batch View**—Create or configure a batch view. You can also configure the columns and tree-filter view.
  - **Sign View**—Create or configure a sign view. You can also configure the columns and tree-filter view.
  - **Library configuration**—Customize the appearance of the item, sign, and batch libraries. You can also select columns, reorder entries, and apply filters.
  - **Idle timeout value**—Sets the time of inactivity before the current user logs out from the portal automatically.
  - **Default template**—Sets a template for new signs.



## Publishing Services

Added new API services for In-Store Publisher operations. For more information, see the *Lexmark Publishing Services API Guide*.

## Database

- Added support for Microsoft Visual Studio 2017 Redistributable v14.16.
- Updated the PPR database.

New database tables	New or modified database views
CMSContents CMSPages	MemberView SignItemStateView SignBatchStateView SignBatchStateViewWithStatusColumns SignItemTemplatePaperView BatchSignItemTemplatePaperView StoreItemPriceView BatchTypeSuiteView

The updates in the database schema include the following improvements:

- A few records that are specific to role access are inserted in the AVProfileProperty table.
- A few records, such as SQL trigger blocks, are inserted in SGSQL. The records can be identified as SQLNAME column values that start with **WS**.
- A few records that are specific to In-Store Publisher configurations are inserted in SGSTEM. The records can be identified as KEYNAME column values that start with **ISP**.

## Other platform updates and fixes

- The new installer file for In-Store Publisher is **PPRUInstaller.exe**.
- Fixed the following issues:
  - Print Control Service timeout that prevents large or complex batch preview.
  - Printing error from a web document submission software or WDSS (fixed with the use of ZebraDesigner Driver).
  - Installation failure due to the inability of the platform to recognize the current version of Microsoft Visual Studio.
  - Failure of Print Control Service to load with user account control (UAC) limitation error.
  - Rotating frames on Template Designer.
  - Missing print on PPR for Linux.
  - For Zooja Pro font, text that floats too high on the In-Aisle Publisher preview.
  - Publishing manager preview issue.

## Appendix

## Product limitations

### Platform Administrator and Publishing Manager

- The following Publishing Manager settings do not affect the In-Store Publisher portal:
  - In-Store Publisher Application settings in the System Configuration menu
  - SGLangWeb and SGLangCust settings from the In-Store Publisher UI Translations section in the System Configuration menu
- The images that are uploaded in the Publishing Manager must be copied to the In-Store Publisher location manually. If Publishing Engine is installed in a separate directory, then the images must be copied to the Publishing Engine location.

**Note:** The Publishing Manager and Publishing Engine must be installed on the same directory.

## In-Store Publisher

- Print Control Service configuration is not available in the portal.
- Having multiple user sessions on different web browser tabs is not supported.

## Known platform issues

- In some web browsers, the In-Store Publisher portal may become unresponsive when accessed using the back button.
- Editing or creating a sign may become unresponsive for large batches.
- If you use a web browser managed by Citrix®, then local printers are not available in the Print Control Service.
- If In-Store Publisher is opened in multiple tabs, then logging out from one tab may cause other tabs to become unresponsive.
- If the Item Library is refreshed when creating a multiple-item sign, then an error message appears.

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