

PrinterOn *Enterprise Edition 3.1* and *Express Edition 3.1* Release Notes

Product Changes and Enhancements

PrinterOn Enterprise and Express 3.1 introduces support for two deployment options: On Premise and Hybrid Cloud. This flexibility provides a no-compromise approach for meeting the unique requirements of any organization. The addition of Advanced Reporting (Enterprise only) rounds out these already robust solutions and gives administrators access to enhanced analytics and key metrics.

IMPORTANT NOTE: *You can only upgrade to PrinterOn Enterprise and Express 3.1 from version 2.5 or higher. For upgrades from previous versions, please update your software to the latest version of 2.5.*

PrinterOn Enterprise and Express 3.1 New Additions

- **New – Support for On Premise and Hybrid Cloud deployments**
 - **On Premise Deployment** – No Internet connection. On Premise provides full local management of all services, configuration and document processing. Administrators are able to add, modify and delete mobile print queues in the unified printer and workflow Configuration Manager.
 - **Hybrid Cloud Deployment** – Leverage the benefits of a fully secure on premise solution, where all documents are managed and secured within the local network. Extends the solution with access to PrinterOn’s unique Hybrid Cloud deployment mode that provides additional value such as automatic global driver distribution, cloud configuration backup and remote network print.
- **New – Advanced Reporting – Enterprise Edition Only**

PrinterOn administrators are now able to gain additional insight into their mobile print users and how they use the PrinterOn service. Enterprise Edition 3.1 provides new advanced reports and dashboard with easy to review charts and tables, in addition to the ability to export reports for deeper analysis.

New Advanced reports include:

- Most used printers
- Top users
- Top printer departments
- Color vs black & white output
- Duplex vs simplex output
- Most commonly used applications
- Most common print errors

Note: Advanced Reporting is only available for the On Premise deployment mode

- **New – Enhanced Basic Reporting**

This release provides significantly improved Basic Reporting. Enhanced Basic Reporting is available to all customers and provides greater visibility to printer activity on the server, as well as the ability to export reports for further analysis. Enhancements to printer reports include:

- Duplex print Information
- Color black & white output
- Printer department – to support additional sorting
- User information

Note: Enhanced Basic Reporting is only available for On Premise deployments

- **New – Local Management Tools – On Premise Deployment**

To support the On Premise deployment mode, PrinterOn has introduced all new tools to significantly simplify the management and administration of the PrinterOn service. These enhancements provide significant improvements over a wide range of common administrative tasks, during installation, initial deployment as well as ongoing maintenance. Some key improvements include:

- Full print queue configuration including:
 - Printer names and other display information
 - Driver configurations
 - Print workflows supported per printer
 - Release options
- Drag and drop department management
- Drag and drop release station (PDS) linking

- **New – Bulk Printer Creation – Enterprise Edition Only**

Easily create dozens or thousands of printers in a single step, using an easy to generate structured CSV file uploaded directly to the Configuration Manager. The structured CSV simplifies the process only requiring administrators to provide minimal information without being concerned of column order or missing information.

Printers can be created using an existing print queue as a template requiring only that administrators define a new name for their print queues. The Bulk Printer Creation process provides full file validation and error checking to ensure a seamless deployment.

Note: Bulk Printer Creation is only available for On Premise deployments

- **New – Bulk Printer Configuration – Enterprise Edition Only**

The new Bulk Configuration tools provide a simple way for administrators to copy settings from one printer to dozens or thousands of printers in one simple step. The new Bulk Printer Configuration provides the ability to granularly select and copy print options to 1, 10 or thousands of printers using a simple drag-n-drop interface.

Note: Bulk Printer Creation is only available for On Premise deployments

Mobile App Enhancements

- **New – Remote Configuration for AirWatch, Good Dynamics and MobileIron – Enterprise Edition Only**
PrinterOn Mobile Apps now support remote configuration using existing MDM/MAM provided tools, to provide a seamless app management integration. New features allow administrators to deploy and configure applications for users reducing support time and end user training while increasing security. Administrators can remote configure settings including:
 - PrinterOn Server Address
 - Authentication details
 - Locking services to a single server
- **New –Network Gateway support for AirWatch, Good Dynamics and MobileIron– Enterprise Edition Only**
In addition to existing SSL communication, PrinterOn Mobile Apps now support secure communication using MDM provided network gateways, including AirWatch MAG, Good Proxy and MobileIron Sentry. Administrators can limit and manage access to internal services directly from their MDM/MAM administrative tools.
- **New – Mobile Web App**
PrinterOn has introduced a new universal Web App to provide support for the widest range of mobile applications and terminals. The new Web App provides a zero-software print workflow ideal for guests, or devices that cannot be supported by a native mobile app. The interface has been optimized for BlackBerry and Windows phones, and provides access to all print options to offer a complete print experience.

Integration Enhancements

- **New – Brother BSI Release Station**
Brother printer owners can now directly integrate their BSI-enabled printers with the PrinterOn Server. The PrinterOn BSI integration supports the Secure Release workflow directly on the Brother devices. Ideal for guest users, or internal deployments using PrinterOn Secure Release Codes.
- **Improved – Ricoh HotSpot Embedded Support**
The HotSpot Embedded agent for Ricoh MFPs has been updated to provide improved deployment options and simplified configuration of proxy servers, using Ricoh DALP files and the Ricoh Device Manager NX.

Note: Ricoh HotSpot Embedded requires access to the PrinterOn directory service and is only supported with Hybrid Cloud deployment mode (or On Premise with Cloud Config deployments in special situations).
- **New – Samsung BCPS Support**
Support for Samsung BCPS has been added allowing existing Samsung customers to leverage the PrinterOn print workflow alongside the BCPS-enabled printers. PrinterOn and BCPS can use the same LDAP/AD server to offer integrated authentication through the print workflow.

Email Print Enhancements

- **New – Allow Administrators to Select SMTP or EWS for Email Responses**
Administrators may now select to respond to users printing via email using either an alternate SMTP server, or the same inbound EWS server used to receive the incoming messages.
- **New – Support Digitally Signed Emails when using EWS**
Added support for digitally signed emails when using EWS for email support.
- **New – Support for Embedded Email Attachments when using EWS**
Added support for printing the contents of embedded messages when attached to other emails. Addresses multiple issues including:
 - Incorrectly printing attachments when a single embedded message is attached.
 - Support for automatic detection of forwarded messages when using EWS for email support.
- **Fixed – Missing Embedded Images for EWS Email Bodies**
Addressed an issue that caused the output of some email bodies to be missing embedded images when using EWS for email support.
- **Fixed – Unable to Print Attachments from EWS Servers**
Addressed the issue where some attachments failed to print when using EWS and sending emails to internal users. Improved support in general for various attachment and content type detection.
- **Fixed – Unable to Print Email Body without Letter Paper Configured when using EWS**
Addressed an issue that caused email bodies to fail to print without letter paper configured in the printer listing. Problem caused by the content of the email body being incorrectly formatted.

File and Format Enhancements

- **New – RenderPDF PDF Processing Engine**
PrinterOn has introduced an all new PDF processing engine. The new RenderPDF engine provides improved performance, higher quality and more consistent output. RenderPDF also provides greater support for output orientation options. RenderPDF addresses a number of PDF compatibility issues while improving overall print performance.
- **New – RenderIMG Image Processing Engine**
PrinterOn has introduced an all new image processing engine. The new RenderIMG engine provides significant performance in overall print type. Major improvements have been found printing large images including those over 10MB. Overall output quality has also increased and numerous issues related to large and complex images files have been resolved.
- **Improved – Visio Format Support**
Addressed an issue that caused Visio 2013 files to fail to be recognized correctly, leading to a print failure.

- **Improved – Orientation Print Performance for Large Images**
Significantly improved the overall print performance when printing large images files, such as 8MB and 10MB files and applying print options such as landscape options.
- **Improved – Print Quality for Large GIF Images**
Improved overall output quality and support for large GIF files, such as those over 6MB. Printing large GIF files in previous versions would sometimes result in truncated output.
- **Improved – Print Orientation Support for XPS Files**
Added support for printing XPS files in portrait and landscape.
- **Fixed – Portrait PDF Truncated when Printed in Landscape**
Addressed an issue that caused a PDF file to be improperly scaled and truncated when requesting landscape orientation for some portrait PDFs.
- **Fixed – Some Large JPEGs Printed with Incorrect Scale**
Addressed an issue that caused some JPEG images to print with an incorrect scale, resulting in a small thumbnail print.
- **Improved – Default Encoding Management for TXT files**
Provide a new optional configuration option to specify the default encoding to use when loading TXT files that may be saved with specific regional encodings. Symptoms include garbled characters printed when submitting TXT files that contain Korean, Japanese or other non-ASCII characters. Configuration Manager has been updated to provide direct configuration options.
- **New – New administration option to disable user supplied PowerPoint orientation print options**
Introduced a new option for administrators to disable user-specific orientation print options. This new option is specifically intended for integrators who wish to use “As Saved” orientation for PowerPoint files. Configuration Manager has been updated to provide direct configuration options.

Services Enhancements

- **New – Duplex Support for non-PCL & non-PS Printers**
New support for enabling duplex options for printers that do not support PCL or Postscript languages, including inkjet and laser printers.
- **Improved – Color and B/W Output Options using HP Universal PCL6 Driver**
Improved support for selecting color or BW and ensuring accurate output when using the HP Universal PCL6 driver. Addressed an issue that caused output to be printed in BW when printing to some color printers.
- **Improved – VPSX LRSQ Support for Large Job Transmission**
Resolved an issue that caused large jobs to fail to be transmitted if network communication was idle for longer than 5 minutes. Print Delivery Station supports a 15 minute print delivery time by default, but expected

communication at least every 5 minutes. The inactivity time has been increased to align with the delivery timeout.

- **Improved – Large Print Data Support**

Increased maximum print data size limits from 1GB to 5GB to support extremely large print jobs. Previous versions would reject jobs over 1GB in rendered size.

Installed Product Information

PrinterOn Enterprise Edition 3.1 and Express Edition 3.1 both use the PrinterOn Server. Here is what is included.

PrinterOn Server 3.1.0.1104 includes the following software:

- Central Printing System 3.1.0.1104
- PrintAnywhere Server 5.1.0.358
- Print Delivery Gateway 3.1.0.368
- Print Delivery Station 3.1.0.495
- Print Delivery Hub 3.1.0.495
- RenderPDF 5.1.0.16
- Sun Java Runtime Environment 1.8.0.51
- Tomcat 8.0.24
- PrintWhere® 5.1.0.188

System Requirements

- A dedicated physical server or virtual machine
- Intel compatible processor with 2GHz multi-core processor
- 2 GB RAM minimum (4 GB recommended)
- 6 GB of free disk space for PrinterOn Server software and third party applications
- Windows Server 2008 (64-bit) or Windows Server 2012 (64-bit), with current patches installed

Please contact support@printeron.com if you have any questions.