

PrinterOn Enterprise Private Cloud Print Platform Release Notes

Enterprise 2.4 – PSIM 2.4

Product Changes and Enhancements

PrinterOn's Enterprise Server provides Enterprise-grade cloud print services for Corporate, Enterprise or Education use. This private cloud solution leverages PrinterOn's years of mobile print experience to provide a complete printing solution for native mobile apps, email, web and desktop printing.

This release of PrinterOn Enterprise is complemented by a major update to all PrinterOn mobile applications including those for iOS and Android. The combination of PrinterOn Enterprise's ability to meet the simplest to the most complex network and infrastructure requirements, along with the ease of use and best in class mobile applications, makes the PrinterOn platform a uniquely powerful yet user friendly solution.

The following are some of the enhancements and improvements that have been made in this version of the PrinterOn Enterprise Platform.

PrinterOn Enterprise New Additions

- **New – Wide Area Network iOS Printing**

System and print administrator may now provide all the benefits of the integrated print functionality of iOS without the challenges of local network discovery protocols. By leveraging existing capabilities of iOS7 administrators gain benefits such as:

- Enabling native iOS print outside the boundaries of a single subnet.
- Managing access to which printers are visible to a user's device.
- Integrating large scale management and deployment with the most popular Mobile Device Management (MDM) and Mobile Application Management (MAM) providers on the market.

These capabilities are only PrinterOn Enterprise's best in class capabilities that remain available and integrated including:

- Rich Role-Based Access Control
- Guest Print Services
- Pull-Print and Print Management support with the most popular print management solutions on the market.
- Global access and distribution of print jobs and printers

- **New – Simple Mobile App User Provisioning**

PrinterOn's Simple Mobile App User Provisioning enables administrators using PrinterOn iOS and Android Mobile Apps to enable small groups or thousands of users with PrinterOn's mobile apps, using a single simple QR-code based provisioning process.

The new Provisioning Process uses information retrieved from the QR code and the PrinterOn Directory or Enterprise server to:

- Automatically add a desired printer to a user's device.
- Automatically configure server information and connect the user's device to the Enterprise server.
- Prompt a user for credentials if required as part of the walkthrough process

This process automatically detects all other printers that are part of the Enterprise service in the future, removing the need for user managed printers and servers, allowing a user to access multiple Enterprise services, while also increasing overall security by linking printers to their respective Enterprise services automatically.

- **New – IPP Print Server & Oracle Compatibility**

PrinterOn Enterprise now supports direct access and management of the Print Delivery Gateway's IPP print services. The integrated IPP server allows for new integrations as simple as basic IPP print clients to complex ERP workflows such as integrating Oracle ERP with PrinterOn Enterprise. This allows IPP clients and ERP systems to leverage network independent print delivery, enabling new global deployments not previously available without costly and complex network changes.

- **New – VPSX LRSQueue Support**

To complement PrinterOn's extensive catalogue of integrations with well-known solution providers, PrinterOn Enterprise now supports a direct integration with the VPSX using LRSQueue from LRS. This integration allows jobs to be delivered from PrinterOn's Print Delivery Station directly to a VPSX server, meeting LRS's security requirements as well as maintaining PrinterOn's ability to maintain print job and job owner information from complex networks with ease.

- **New – Authenticating Reverse Proxy support for Print Delivery Station**

PrinterOn's Print Delivery Station now supports enhanced Reverse Proxy support including seamless Basic Authentication support for most commonly used commercial and open source reverse proxy solutions. The new Authenticating Reverse Proxy support for PDS allows administrators to manage individual PDS access at many levels concurrently including using PrinterOn's own PDS access control as well as independently by providing access control at the network level via a reverse proxy.

Services and Integration Enhancements

- **Improved – PQMS Scaling and Performance Improvements**
Increased throughput capacity of the PrinterOn Queue Management System and now allow for multiple concurrent print jobs and queue monitors.
- **Improved – Ricoh Streamline NX Guest Print Integration**
Improved the Ricoh Streamline NX integration to allow for additional workflow combinations including the ability to track the combination of user identifier, Release/Pin Codes and whether a user is a known authenticated user all independently. This will allow Ricoh Streamline NX integrators to have access to greater control of user tracking and reporting.
- **New – Fuji-Xerox Reporting with Equitrac**
Added support for standard Fuji-Xerox MFP-based reporting when using Equitrac to track and generate reports.
- **New – Print Delivery Gateway Proxy Support**
PDG now supports communicating between PDG and CPS via a proxy server. Proxy support is added for service synchronization and job submission.
- **Improved – Multiple Concurrent LDAP/Active Directory Performance**
Improved authentication responsiveness when using multiple LDAP/Active Directory configurations. Authentication responses were delayed when one or more LDAP/AD servers was not accessible or slow to respond.
- **Improved – Local Network Discovery Performance**
New local network/Bonjour tools have been added to PDG that significantly improves overall discovery performance including:
 - Faster service resolution
 - Lower network resource utilization
 - Faster service cleanup when disabling discovery
- **Fixed – iOS Print and Page Ranges**
Addressed an issue that cause page ranges selected on iOS devices to be ignored. This issue only affected certain file formats including Word and PDF file formats.
- **Fixed – iOS Print and Color Output Selection**
Addressed an issue that caused some color documents to be printed as B/W when printing directly from an iOS device. Output may now be controlled using the PrinterOn Directory's color settings.

Email Print Enhancements

- **Improved – Mixed language email body print**
Improved support for printing emails that contain multiple languages in the email body. Some emails including different encodings could result in some characters being incorrectly rendered.
- **Improved – Exchange 2013 compatibility**

Addressed numerous Exchange 2013 compatibility issues and addressed an issue that could cause some messages to stop the PasPort service from processing messages.

- **Fixed – Print job names using IMAP4 on mobile devices**

Addressed an issue that causes some print job names to be reported incorrectly when printing emails with long subjects from iOS and Android devices and PasPort configured to use IMAP4.

Print Quality and Compatibility Enhancements

- **Improved – PDF Print compatibility and XFA support**

Significant improvements to overall PDF compatibility and print quality including XFA-based PDF form support. Addressed many customer reported issues for specific PDFs not being processed.

- **Fixed – PowerPoint B&W/Color Print Options**

Addressed an issue that caused some PowerPoint document to print in B&W when configured to print to a Samsung color printer.

Other Improvements and Enhancements

- **Improved – PrintAnywhere Resiliency and System Recovery**

Numerous improvements have been made to improve and increase PrintAnywhere's system monitoring and recovery capabilities including 3rd party application management and automatic recovery services.

- **Improved – PrintAnywhere Memory Utilization**

Improved overall memory utilization in PrintAnywhere®, particularly under heavy load. The greatest impact is seen in the PrintAnywhere Status Server.

- **Improved – Improved support for Passthru print and job size management**

Addressed an issue that caused very small print jobs submitted using PrinterOn's Passthru mode to be rejected due to size limitations. Also addressed an issue that caused jobs to be rejected regardless of the maximum job size configured in PrintAnywhere is greater than the size of the document.

- **Fixed – Danish Localizations**

Improved overall Danish localizations in CPS web printing portal.

Installed Product Information

PrinterOn Enterprise 2.4 includes the following software:

- Central Printing System 2.4.02
- PrintAnywhere Server 4.7AO
- Print Delivery Gateway 1.2AG
- Print Delivery Hub 2.6ED
- Print Delivery Station 2.6ED
- Dr. Print 1.8BB
- Sun Java Runtime Environment 1.7.0u55
- Tomcat 7.0.54
- CPS Dashboard 1.4.23
- PrintWhere® 4.7AH

System Requirements

- A dedicated physical server or virtual machine
- Intel compatible processor with 2GHz multi-core processor
- 2 GB RAM minimum (4 GB recommended)
- 2 GB of free disk space for PrinterOn Enterprise software and third party applications
- Windows Server 2008 (32-bit or 64-bit) or Windows Server 2012 (64-bit), with current patches installed

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