

PrinterOn Enterprise 4.2.3 - Release Notes

Version 4.2.3

Product Changes and Enhancements

PrinterOn Enterprise 4.2.3 is a maintenance update primarily focused on improving integration with third-party IDMs, including several updates to Configuration Manager to enable administrators to more explicitly configure how PrinterOn interacts with their IDM.

PrinterOn Enterprise 4.2.3 also includes a number of security and print performance improvements.

This release supersedes the 4.2.2 release and should be used in all cases.

IMPORTANT NOTE: You can only upgrade to PrinterOn Enterprise 4.0+ from version 2.5.1 or higher. For upgrades from previous versions, please update your software to the latest version of 2.5.1.

PrinterOn STRONGLY recommends upgrading all servers to version 3.2.7 before upgrading to 4.2.3 for the best upgrade experience.

Product Changes and Enhancements:

- **New – Support for Microsoft v2 Auth and Microsoft Graph API** (CSOGEN-11)
With this release, PrinterOn Enterprise now supports the Microsoft Identity Platform (Microsoft v2 Auth). This platform expands on Microsoft Azure AD (Microsoft v1 Auth), allowing users to authenticate using personal Microsoft accounts as well as Azure AD accounts (used by schools or businesses), and brings the platform more in line with OAuth 2.0 specification. To use Microsoft v2 Auth, administrators will need to register the PrinterOn app with the v2 endpoints, then configure PrinterOn to point to those endpoints.

Note: While it supports this updated version of Microsoft Auth, PrinterOn Enterprise 4.2.3 maintains support for Microsoft v1 Auth as well.
- **New – Increased support for third-party IDMs**
The PrinterOn Enterprise 4.2.3 release introduces several improvements to allow it to better integrate with third-party Identity Management Services:
 - **Ability to explicitly configure the principle claim for the UserID** (CSOSCPS-6801): With this release, administrators can define which claim PrinterOn requests from the user for use when authenticating against Azure AD or a third-party IDM. For example, if you define the principle claim as email address, then users would be required to supply their email address to be authenticated.
 - **Ability to configure a specific prompt sent to the user when consent is required** (CSOSCPS-6876): Some Authentication services require a user's consent to allow PrinterOn access to the service on their behalf. For these instances, PrinterOn Enterprise now allows administrators to define a Prompt message that will be displayed to the user to allow them to grant PrinterOn access to the service.

- **Ability to configure how to access user information in Azure AD** (CSOSCPS-6918): This release adds the ability for administrators to configure PrinterOn to access user information from the token endpoint rather than the graph endpoint from which user information is typically acquired.
- **Ability to suppress the Scope parameter** (CSOSCPS-6748): PrinterOn Enterprise Version 4.2.3 now allows administrators to suppress the Scope parameter in a third-party IDM authentication request.
- **Ability to echo the refresh token included in a refresh request** (CSOSCPS-7004): Some IDMs do not return a new refresh token when a client makes a refresh request but the token is not yet expired. However, when making a refresh request, many PrinterOn clients require a token be part of the response. With this release, you can now have the PrinterOn server return the unexpired refresh token back to the client to avoid issues if your IDM does not return unexpired refresh tokens.
- **Improved – Third-party IDM authentication workflow for PrintWhere** (CSOPWC-6973)
This release provides an improved workflow when using Azure AD or other third-party IDMs in conjunction with PrintWhere. Previously, PrintWhere opened an authentication request in an external browser window, which could lead to several potential issues that might make it difficult for the user to successfully print their document (for example, launching an unsupported browser version, loss of focus of the PrintWhere application, and so on). To mitigate these issues, this release of PrintWhere launches an embedded version of Internet Explorer to collect user credentials. With this solution, PrintWhere still has no visibility into the credentials collected, but is better able to control the workflow and ensure that once the user is authenticated, the app focus returns to PrintWhere.

Note: The embedded browser relies on libraries from Internet Explorer v.11. This version of IE is installed by default on most versions of Windows and Windows Server. However, users running Windows 7 may need to upgrade their browser to IEv.11 to ensure PrintWhere can successfully launch an embedded version of the browser.

- **Improved – Enforced secure connection for Service URL** (CSOPWC-6973)
With this release, PrinterOn Enterprise now requires that both the Service URL and Internal Service URL be TLS-secured and accessible only through the HTTPS protocol. Insecure connections will be denied.
- **New – Support for IPv6 network addresses** (CSOGEN-11)
PrinterOn Enterprise now supports IPv6 network addresses. However, because PrinterOn cannot guarantee that IPv6 support extends to every component within the print framework, as a best practice to ensure that communication is not disrupted, it is recommended that all network addresses be specified as hostname.domain_name. For example:

myhost.my.domain

Entering network addresses in this format should ensure that they are correctly resolved, regardless of whether they point to an IPv4 or IPv6 address.

- **New – New redirect URL when using PrinterOn Mobile Apps with Microsoft Azure AD** (CSOAND-1828)
With the release of PrinterOn 4.2.3, if you are using Microsoft Azure AD as your IDM and users will be using the PrinterOn Mobile Apps, you'll need to add an additional redirect URL when registering your PrinterOn service as a trusted app in Azure AD. When registering your printerOn app, you'll now need to specify the following redirect URL:

ponauth://oauthredirect/

- **Improved – Third-party IDM authentication workflow for PrinterOn Mobile Apps** (CSOPWC-6973)
This release provides an improved workflow when using Azure AD or other third-party IDMs with the PrinterOn Mobile Apps as the print client. Previously, the PrinterOn Mobile App opened an authentication request in an external browser window, which caused the PrinterOn app to lose focus. To avoid this issue, this release of PrinterOn launches an embedded browser version of Internet Explorer to collect user credentials. With this solution, the PrinterOn app still has no visibility into the credentials collected, but is better able to control the workflow and ensure that once the user is authenticated, the app focus returns to the app.

General Improvements and Resolved Issues:

The following section describes issues that have been resolved and other general product improvements.

- **Fixed – Configuration Manager unable to authenticate against LDAP/AD** (CSOSCPS-6918)
In PrinterOn Enterprise Version 4.2.2, an issue was introduced which resulted in users being unable to log in to Configuration Manager using LDAP/AD credentials. This issue is fixed in this release.
- **Fixed – Poor print performance with macOS or iOS clients authenticating against LDAP/AD** (CSOPWC-6701)
In earlier releases, when submitting jobs from macOS or iOS devices, PrinterOn was experiencing delays when trying to authenticate the user against an LDAP/AD database, occasionally resulting in a timeout. The issues which caused this delay are fixed in this release.
- **Updated – Microsoft .NET Version Updated** (CSOPAS-4659)
Updated the .NET version included with the PrinterOn Enterprise installer to Microsoft .NET Version 4.5.1 Update 201.
- **Updated – Microsoft SQL Server Version Updated** (CSOSCPS-6434)
Updated the SQL Server version included with the PrinterOn Enterprise installer to Microsoft SQL Server 2016.
Note: SQL Server 2016 is only installed with new installations of the PrinterOn Enterprise software. When upgrading from a previous version of PrinterOn software, the installer does not update the SQL Server 2014 software already installed.

NOTE: These release notes and previous versions may be found on the PrinterOn on website at <http://www.printeron.com/support/product-releases.html>

Installed Product Information

PrinterOn Enterprise 4.2.3 includes the following software:

- Central Print Services 4.2.3.2087
- PrintAnywhere Server 6.2.3.1836
- Print Delivery Gateway 4.2.2.2066
- Print Delivery Station 4.2.3.2257
- Print Delivery Hub 4.2.3.2257
- PrintWhere® 6.2.3.1947
- Sun Java Runtime Environment 1.8.0_201
- Tomcat 8.5.40

System Requirements:

- A dedicated physical server or virtual machine
- Intel compatible processor with 2GHz multi-core processor
- 4 GB RAM minimum (8 GB recommended)
- 60 GB (10 GB of free disk space for PrinterOn Server software and third-party applications)
- Windows Server 2012 including 2012 R2 with current patches installed (Datacenter and Standard Editions) or Windows Server 2016 (Datacenter and Standard Editions)

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