

Xerox Security Bulletin XRX16-015

FreeFlow® Print Server v2.1 / Windows v7 Standalone

Supports iGen®5 Printer Products

- July 2016 Security Patch Update (includes Java 8 Update 102)

A. Background

Microsoft responds to US CERT advisory council notifications of Security vulnerabilities referred to as Common Vulnerabilities and Exposures (CVE's) and develops patches that remediate the Security vulnerabilities that are applicable to Windows 7 and components (e.g., Windows Explorer, .Net Framework, etc.). The FFPS organization has a dedicated development team, which actively reviews the US CERT advisory council CVE notifications, and delivers Security patch updates from Microsoft to remediate the threat of these Security risks for the FFPS 2.1 / Windows v7 Standalone platform.

The FFPS organization delivers Security Patch Updates on the FFPS 2.1 / Windows v7 Standalone platform by the FFPS organization on a quarterly (i.e., 4 times a year) basis. The FFPS engineering team receives new patch updates in January, April, July and October, and will test them for supported Printer products (such as iGen®5 printers) prior to delivery for customer install.

This bulletin announces the availability of the following:

1. **July 2016 Security Patch Update**
 - ✓ This supersedes the April 2016 Security Patch Update
2. **Java 8 Update 102 Software**
 - ✓ This supersedes Java 8 Update 92 Software

This patch deliverable remediates the US-CERT announced Security vulnerabilities below:

CVE-2015-1643	CVE-2016-1958	CVE-2016-1977	CVE-2016-2807	CVE-2016-2828	CVE-2016-3243
CVE-2016-0099	CVE-2016-1959	CVE-2016-1978	CVE-2016-2808	CVE-2016-2829	CVE-2016-3245
CVE-2016-0133	CVE-2016-1960	CVE-2016-1979	CVE-2016-2809	CVE-2016-2831	CVE-2016-3248
CVE-2016-0178	CVE-2016-1961	CVE-2016-2790	CVE-2016-2810	CVE-2016-2832	CVE-2016-3249
CVE-2016-0180	CVE-2016-1962	CVE-2016-2791	CVE-2016-2811	CVE-2016-2833	CVE-2016-3251
CVE-2016-0182	CVE-2016-1963	CVE-2016-2792	CVE-2016-2812	CVE-2016-2834	CVE-2016-3252
CVE-2016-0184	CVE-2016-1964	CVE-2016-2793	CVE-2016-2813	CVE-2016-3204	CVE-2016-3254
CVE-2016-0195	CVE-2016-1965	CVE-2016-2794	CVE-2016-2814	CVE-2016-3213	CVE-2016-3255
CVE-2016-0197	CVE-2016-1966	CVE-2016-2795	CVE-2016-2815	CVE-2016-3216	CVE-2016-3259
CVE-2016-1521	CVE-2016-1967	CVE-2016-2796	CVE-2016-2816	CVE-2016-3220	CVE-2016-3260
CVE-2016-1522	CVE-2016-1968	CVE-2016-2797	CVE-2016-2817	CVE-2016-3223	CVE-2016-3261
CVE-2016-1523	CVE-2016-1969	CVE-2016-2798	CVE-2016-2818	CVE-2016-3225	CVE-2016-3264
CVE-2016-1950	CVE-2016-1970	CVE-2016-2799	CVE-2016-2819	CVE-2016-3230	CVE-2016-3273
CVE-2016-1952	CVE-2016-1971	CVE-2016-2800	CVE-2016-2820	CVE-2016-3236	CVE-2016-3274
CVE-2016-1953	CVE-2016-1972	CVE-2016-2801	CVE-2016-2821	CVE-2016-3238	CVE-2016-3276
CVE-2016-1954	CVE-2016-1973	CVE-2016-2802	CVE-2016-2822	CVE-2016-3239	CVE-2016-3277
CVE-2016-1955	CVE-2016-1974	CVE-2016-2804	CVE-2016-2824	CVE-2016-3240	CVE-2016-3286
CVE-2016-1956	CVE-2016-1975	CVE-2016-2805	CVE-2016-2825	CVE-2016-3241	
CVE-2016-1957	CVE-2016-1976	CVE-2016-2806	CVE-2016-2826	CVE-2016-3242	

Note: Xerox recommends that customers evaluate their security needs periodically and if they need Security patches to address the above CVE issues, schedule an activity with their Xerox Service team to install this announced Security Patch Update.

B. Applicability

This July 2016 Security Patch Update (including Java 8 Update 92 software) is available for the FFPS v2.1 Software Release running on Windows v 7 OS.

The Security Patch Cluster made available over the network from a Xerox server using an application called FFPS Update Manager. The use of FFPS Update Manager (GUI-based application) makes it simple for a customer to install Security patch updates. Downloading and installing Security Patch Updates using the FreeFlow Print Server Update Manager has the advantage of “ease of use” as it involves accessing the Security Patch Update from a Xerox Server over the network. In addition, the FFPS Security Patch Update is available for delivery using media (DVD/USB) install. The FFPS customer schedules a Xerox Analyst or Xerox Service Engineer (CSE) to install the Security Patch Update at the customer account. The Analyst/CSE can decide if they allow a customer to install the Security Patch Updates.

Security of the network, devices and information on a customer network may be a consideration when deciding whether to use the DVD/USB or FFPS Update Manager method of delivering and installing Security Patch Updates. The external Xerox server that includes the Security Patch Update does not have access to the FFPS DFE platform at a customer site. The FFPS DFE platform (using Update Manager) initiates all communication to download the FFPS Security Patch Update, and the communication is “secure” by SSL over port 443. Delivery and install of the Security Patch Update using DVD/USB media can be an issue for some highly “secure” customer locations such as US Federal and State Government sites. An alternative method to delivery of the patch files is using secure transfer to the FFPS platform with transfer protocols such as “secure” FTP (SFTP) or “secure” Copy (SCP).

C. Patch Install

Xerox strives to deliver these critical Security patch updates in a timely manner. The customer process to obtain FFPS Security Patch Updates (delivered on a quarterly basis) is to contact the Xerox hotline support number. The two methods of FFPS Security Patch Update delivery and install are over the network (i.e., FFPS Update Manager) or from media (i.e., DVD/USB). See a more detailed description of the two Security Patch Update delivery methods with the information below:

i. FFPS Update Manager Delivery

Xerox uploads the FreeFlow Print Server Security Patch Update to a Xerox patch server that is available to the Internet outside of Xerox Corporate network once the deliverable has been tested and approved. Once in place on the Xerox server, a CSE/Analyst or the customer can use FFPS Update Manager UI to download and install on the FFPS system. One requirement to access or connect to the Xerox patch sever over the network is configuration of the proxy information for the customer network. The FreeFlow Print Server Update Manager UI offers a ‘Check for Updates’ button selection to retrieve a list of patches. The Security Patch Update (July 2016 Security Patch Update) will be listed as a patch available for install. Downloading and installing the Security Patch Update is very simple with the FFPS Update Manager UI.

The FreeFlow Print Server (FFPS) Update Manager delivery of Windows Security Patch Update provides the ability to install Security patches on top of a pre-installed FFPS software release. The advantage of this Security install method delivery is the “ease of deliver and install” of this network delivery. Xerox has uploaded the quarterly FFPS v2.1 Security Patch Update to the external Xerox Server accessible over the Internet. An “Update Manger Patch Install” document (i.e., named **FFPSv2Standalone_SecPatchUpdate_UM_July2016.pdf**) is available with the information and procedures to complete the FFPS Security Patch Update install.

ii. DVD/USB Media Delivery

Xerox uploads the FreeFlow Print Server Security Patch Update to a Customer Field Operations (CFO) Web site that is available to the Xerox Analyst and Service once the deliverable has been tested and approved. The FreeFlow Print Server patch deliverable is a ZIP archive or ISO image, and a script used to perform the install. The Security Patch Update installs by executing a script, and installs on top of a pre-installed FFPS software release. The install script include options to install the Security Patch Update directly from DVD/USB media or from the FFPS internal hard disk. A “FreeFlow Print Server DVD/USB Media Patch Install” document (i.e., named **FFPSv2Standalone_SecPatchUpdate_DvdUsb_July2016.pdf**) is available with the information and procedures to complete the FFPS Security Patch Update install.

If the Analyst supports their customer performing the Security Patch Update, then they must provide the customer with this document and the Security update deliverables identified in this document. This method of Security Patch Update install is not as convenient or simple for customer install as the network install method offered by the FFPS Update Manger.

We recommend the customer use the FFPS Update Manager method if they wish to perform install on their own. This empowers the customer to have the option of installing these patch updates as soon as they become available, and not need to rely on the Xerox Service team. Many customers do not want the responsibility of installing the quarterly Security Patch Updates, or they are not comfortable providing a network tunnel to the Xerox server that has the Security Patch Update. Therefore, this media install method is the best option under those circumstances.

See the Security Patch Update deliverable filenames and sizes in the table below:

Security Patch Update File	Windows File Size (Kb)
FFPSv2.1Standalone_SecPatchUpdate_July2016.zip	717.451
FFPSv2.1Standalone_SecPatchUpdate_July2016.iso	717.802

D. Disclaimer

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