

Xerox Security Bulletin XRX19-008



Xerox® FreeFlow® Print Server v7 and v9

For: Solaris® 10 Operating System

Install Method: Update Manager

Deliverable: January 2019 Security Patch Cluster

Includes: Java 7 Update 211

Bulletin Date: March 4, 2019

1.0 Background

Oracle® delivers quarterly Critical Patch Updates (CPU) to address US-CERT Security vulnerabilities and reliability improvements for the Solaris Operating System. Oracle® does provide patches to the public, but authorize vendors like Xerox® to deliver if there is an active FreeFlow® Print Server Support Contracts (FSMA). Customers that have an Oracle® Support Contract for their non-FreeFlow® Print Server Solaris Servers should only install patches prepared/delivered by Xerox®. Installing non-authorized patches for the FreeFlow® Print Server software violates Oracle® agreements, and can render the platform inoperable, and result in downtime and/or a lengthy re-installation service call.

This bulletin announces the availability of the following:

1. **January 2019 Security Patch Cluster**
 - This supersedes the October 2018 Security Patch Cluster
2. **Java 7 Update 211 Software**
 - Supersedes Java 7 Update 201 Software

See US-CERT Common Vulnerability Exposures (CVE) the January 2019 Security Patch Cluster remediate in table below:

January 2019 Security Patch Cluster Remediated US-CERT CVE's					
CVE-2011-0465	CVE-2011-0997	CVE-2018-5740	CVE-2019-2541	CVE-2019-2543	CVE-2019-2544

See the US-CERT Common Vulnerability Exposures (CVE) list for Java 7 Update 211 software remediate in table below:

Java 7 Update 211 Software Remediated US-CERT CVE's		
CVE-2018-11212	CVE-2019-2422	CVE-2019-2426

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 Cluster. Alternatively, the customer can install the Security Patch Cluster using USB/DVD or from the FreeFlow Print Server hard disk.

2.0 Applicability

Xerox® offers the Security Patch Update delivery available over the network from a Xerox server using an application called FreeFlow® Print Server Update Manager. The use of FreeFlow® Print Server Update Manager (GUI-based application) makes it simple for a customer to install Security patch updates.

The Update Manager delivery of the Security Patch Cluster provides the ability to install Security patches on top of a pre-installed FreeFlow® Print Server software release. The advantage of this network install method is the “ease of deliver and install” from a Xerox patch server over the Internet. This easy install method gives a FreeFlow® Print Server customer the option to manage quarterly Security Patch Cluster install without need for support from

Xerox service. This empowers the customer to have the option of installing 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 Update or they are not comfortable providing a network tunnel to the Xerox® communication server that stores Security patches. In this case, the media install method (i.e., USB/DVD) is the best option under those circumstances.

This Security patch deliverable has been tested on the FreeFlow® Print Server 73.G2.55 (EPC), 73.H3.72, 73.I1.51B and 73.I4.44A (Nuvera only) software releases. We have not tested the January 2019 Security Patch Cluster on all earlier FreeFlow® Print Server 7.3 releases, but there should not be any problems on these releases. It is always good practice to create a System Backup before installing the Security patches.

A tool is available that enables identification of the currently installed FreeFlow® Print Server software release, Security Patch Cluster, and Java Software version. Run this tool after the Security Patch Cluster install to validate successful install. Example output from this script for the FreeFlow® Print Server v9 software release is as following:

Solaris OS Version	10 Update 11
FFPS Release Version	7.0_SP-3_73.I1.51B
FFPS Patch Cluster	January 2019
Java Version	Java 7 Update 211
Spectre Variant #1	Installed
Spectre Variant #2	Not Installed
Meltdown Variant #3	Installed

The January 2019 Security Patch Cluster is available for the FreeFlow® Print Server v7 release running on the Xerox® printer products below:

1. Xerox Nuvera® 100/120 Digital Coper/Printer
2. Xerox Nuvera® 100/120/144 Digital Production System
3. Xerox Nuvera® 100/120/144/157 EA Digital Production System
4. Xerox Nuvera® 200/288/314 EA Perfecting Production System
5. Xerox Nuvera® 100/120/144 MX Digital Production System
6. Xerox Nuvera® 200/288 MX Perfecting Production System
7. Xerox® DocuPrint® 100/115/135/155/180 MX Enterprise Printing System
8. Xerox® DocuTech® 6128/6155/6180 Production Publisher
9. Xerox® DocuTech® 128/155/180 Highlight Color Production Publisher
10. Xerox® DocuColor® 242/252/260 Digital Color Printer/Copiers
11. Xerox® DocuColor® 5000AP/7000AP/8000AP Digital Press
12. Xerox® DocuColor® 7000/7002/8000/8002/8080 Presses
13. Xerox® Digital Printer 4112/4127 Enterprise Printing System
14. Xerox® Digital 4590/4595 Copier/Printer

The January 2019 Security Patch Cluster is available for the FreeFlow® Print Server v9 release running on the Xerox® printer products below:

1. Xerox® iGen®4
2. Xerox® iGen®4 Diamond Edition®
3. Xerox® iGen®150 Press
4. Xerox® Versant® 80/180/2100 Presses Xerox® Color 800/100 Presses
5. Xerox® Color 800i/1000i Presses
6. Xerox® Color Press J75/C75 Presses
7. Xerox® Color Press 560/570 Production Printer
8. Xerox® Brenva® HD Production Inkjet Press
9. Xerox® Impika® Compact Inkjet Press
10. Xerox® CiPress® 325/500 Production Inkjet System
11. Xerox® D95/110/125/136 Copier/Printer
12. Xerox® Color 8250 Production Press

3.0 Patch Install

Xerox® strives to deliver Security Patch Clusters in a timely manner. The customer process to obtain Security Patch Cluster updates (delivered on a quarterly basis) is to contact the Xerox hotline support number, or use Update Manager to install as the System Administrator. The Update Manager is a GUI tool on the FreeFlow® Print Server platform used to check for Security patches, download and install Security patches. The customer can install a quarterly Security Patch Cluster using the Update Manager UI, or schedule Xerox Service to perform the install.

Once the Security patches are ready for customer delivery, they are available from the Xerox communication server. Procedures are available for the Customer or Xerox Service for using the Update Manager GUI to download and install the Security patches over the Internet. The Update Manager UI has a '**Check for Updates**' button that can be selected to retrieve and list patch updates available from the Xerox communication server. When this option is selected the latest Security Patch Cluster should be listed (E.g., **January 2019 Security Patch Cluster for FFPS v9.3**) as available for download and install. The Update Manager UI includes mouse selectable buttons to download and then install the patches.

Xerox® uploads the Security Patch Cluster to a Xerox patch server that is available on the Internet outside of the 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 FreeFlow® Print Server Update Manager UI to download and install on the FreeFlow® Print Server platform.

The customer proxy information is required to be setup on the FreeFlow® Print Server platform so it can access to the Security Patch Update over the Internet. The FreeFlow® Print Server platform initiates a "secure" communication session with the Xerox communication server using HTTP over the TLS 1.0 protocol (HTTPS on port 443) using an RSA 2048-bit certificate, SHA2 hash and AES 256-bit stream encryption algorithms. This connection ensures authentication of the FreeFlow® Print Server platform for the Xerox server, and sets up encrypted communication of the patch data. The Xerox server does not initiate or have access to the FreeFlow® Print Server platform behind the customer firewall. The Xerox server and FreeFlow® Print Server platform both authenticate each other before making a connection between the two end-points, and patch data transfer.

4.0 Disclaimer

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