

Xerox Security Bulletin XRX18-021



Xerox® FreeFlow® Print Server v7 and v9

For: Solaris® 10 Operating System

Install Method: Update Manager

Deliverable: April 2018 Security Patch Cluster

Includes: Java 7 Update 181

Bulletin Date: June 5, 2018

1.0 Background

Oracle® delivers quarterly Critical Patch Updates (CPU) to address US-CERT-announced Security vulnerabilities and deliver reliability improvements to the Solaris Operating platform. Oracle® does not provide these patches to the public, but authorize vendors like Xerox® to deliver them to Customers with active FreeFlow® Print Server Support Contracts (FSMA). Customers who may have an Oracle® Support Contract for their non-FreeFlow® Print Server Solaris Servers should not install patches not prepared/delivered by Xerox®. Installing non-authorized patches for the FreeFlow® Print Server software violates Oracle® agreements, 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. **April 2018 Security Patch Cluster**
 - This supersedes the January 2018 Security Patch Cluster
2. **Java 7 Update 181 Software**
 - Supersedes Java 7 Update 171 Software

CAVEAT: We have a caveat with the April 2018 Security Patch Cluster for the FreeFlow® Print Server 7.3 and 9.3 software releases. The FreeFlow Print Server application is not able to access remote SMB shares after installing the April 2018 Security Patch Cluster. This does not affect the SMB shares used for Hot Folder workflow. The affected capabilities are SMB access of remote job files by the 'Print From File' client, and storing PDF/TIFF files to a remote location over SMB from a hardcopy scan (E.g., commonly done on a Nuvera printer). It is not common for a Security conscience customer to use SMB workflows, so this should not affect many customers.

See US-CERT Common Vulnerability Exposures (CVE) the April 2018 Security Patch Cluster remediate in table below:

April 2018 Security Patch Cluster Remediated US-CERT CVE's				
CVE-2017-3167	CVE-2017-5664	CVE-2017-7668	CVE-2017-9788	CVE-2018-2718
CVE-2017-3169	CVE-2017-7659	CVE-2017-7679	CVE-2018-2563	CVE-2018-2764

See the US-CERT Common Vulnerability Exposures (CVE) the Java 7 Update 181 Software remediate in table below:

Java 7 Update 181 Software Remediated US-CERT CVE's					
CVE-2018-2783	CVE-2018-2794	CVE-2018-2796	CVE-2018-2798	CVE-2018-2800	CVE-2018-2815
CVE-2018-2790	CVE-2018-2795	CVE-2018-2797	CVE-2018-2799	CVE-2018-2814	

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 the Update Manager UI from the Xerox® FreeFlow® Print Server Platform.

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® 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.H3.72, 93.H2.23A and 93.10.04A software releases. We have not tested the April 2018 Security Patch Cluster on all earlier FreeFlow® Print Server 7.3 and 9.3 releases, but there should not be any problems on these releases.

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:

FFPS Release Version	9.0_SP-3_(93.10.04A.86)
FFPS Patch Cluster	April 2018
Java Version	Java 7 Update 181

The April 2018 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
15. Xerox® Color 8250 Production Press

The April 2018 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

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., **April 2018 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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