

Xerox Security Bulletin XRX18-028

Xerox® FreeFlow® Print Server v7

For: Solaris® 10 Operating System

Install Method: DVD/USB Media



Deliverable: July 2018 Security Patch Cluster

Includes: Java 7 Update 181

Bulletin Date: August 13, 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. **July 2018 Security Patch Cluster**
 - Supersedes the April 2018 Security Patch Cluster
2. **Java 7 Update 181 Software**
 - Supersedes Java 7 Update 171 Software

CAVEAT: We have a caveat with the July 2018 Security Patch Cluster for the FreeFlow® Print Server 7.3 software release. The FreeFlow Print Server application is not able to access remote SMB shares after installing the July 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 July 2018 Security Patch Cluster remediate in table below:

July 2018 Security Patch Cluster Remediated US-CERT CVE's				
CVE-2017-13721	CVE-2017-3738	CVE-2018-0739	CVE-2018-1171	CVE-2016-5636
CVE-2017-13723	CVE-2018-0733	CVE-2016-0772	CVE-2018-2903	CVE-2016-5699

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

The customer can schedule a Xerox Service or Analyst representative to deliver and install the Security Patch Cluster using media (DVD/USB). A customer can only perform the install procedures with approval of the Xerox CSE/Analyst. Xerox® offers an electronic delivery for “easy to use” install of a Security Patch Cluster, which is more suited for a customer to manage the quarterly patches on their own.

This Security patch deliverable has been tested on the FreeFlow® Print Server 73.H3.72 software release. We have not tested the July 2018 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.

The Xerox Customer Service Engineer (CSE)/Analyst uses a tool (accessible from a secure FTP site) 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 a successful install. Example output from this script for the FreeFlow® Print Server v7 software release is as following:

FFPS Release Version	7.0_SP-3_(73.H3.72.86)
FFPS Patch Cluster	July 2018
Java Version	Java 7 Update 181

The July 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 Copier/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

3.0 Patch Install

Xerox® strives to deliver these critical Security patch updates 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. Xerox Service or an analyst can install the Patch Cluster using a script utility that will support installing the patch cluster from the FreeFlow® Print Server hard disk, DVD, or USB media.

The Security Patch Cluster deliverables are available on a secure FTP site once they are ready for customer delivery. The Xerox CSE/Analyst can download and prepare for the install by writing the Security patch update into a known directory on the FreeFlow® Print Server platform, or on DVD/USB media. Delivery of the Security Patch Cluster includes an ISO and ZIP archive file for convenience. Once the patch cluster has been prepared on media, run the provided install script to perform the install. The install script accepts an argument that identifies the media that contains a copy of the FreeFlow® Print Server Security Patch Cluster. (e.g., # installSecPatches.sh [diskl dvd| usb]).

Important: The install of this Security patch update can fail if the archive file containing the patches is corrupted from file transfer or writing to DVD media. There have been reported install failures when the archive file written on DVD media was corrupt. Writing to media using some DVD write applications and media types could result in a corrupted Security Patch Cluster. The tables below illustrate Solaris checksums and file size on Windows for the Security Patch Cluster ZIP and ISO files. We provide these numbers in this bulletin as a reference to check against the actual checksum. The file size and check sum of these files on Windows and Solaris are as follows:

FreeFlow® Print Server v7

Security Patch File	Windows Size (Kb)	Solaris Size (bytes)	Solaris Checksum
Jul2018AndJava7U181Patches_v7.zip	2,317,700	2,373,324,064	17546 4635399
Jul2018AndJava7U181Patches_v7.iso	2,318,050	2,373,683,200	43890 4636100

Verify the **Jul2018AndJava7U181Patches_v7.zip** file contained on the DVD/USB media or hard drive by comparing it to the original archive file size and checksum in the above table. Change directory to the file location (DVD, USB, or hard disk) and type **“sum Jul2018AndJava7U181Patches_v7.zip”** from a terminal window. The checksum value should be **“17546 4635399”**, and can be used to validate the correct July 2018 Security Patch Cluster on the DVD/USB or the hard drive.

4.0 Disclaimer

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