

# Xerox Security Bulletin XRX19-023

## Xerox® FreeFlow® Print Server 8



Update Manager Delivery of: July 2019 Security Patch Cluster  
Includes: Java 6 Update 211  
Bulletin Date: August 11, 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. **July 2019 Security Patch Cluster**
  - Supersedes the April 2019 Security Patch Cluster
2. **Java 6 Update 211 Software**
  - Same version included in previous April 2019 Security Patch Cluster

See US-CERT Common Vulnerability Exposures (CVE's) mitigated by the July 2019 Security Patch Cluster below:

July 2019 Security Patch Cluster Remediated US-CERT CVE's					
CVE-2016-1549	CVE-2018-0734	CVE-2018-0735	CVE-2018-5407	CVE-2018-7170	CVE-2018-20685

See the US-CERT Common Vulnerability Exposures (CVE's) mitigated by the Java 6 Update 211 Software table below:

Java 6 Update 211 Software Remediated US-CERT CVE's			
CVE-2018-3136	CVE-2018-3149	CVE-2018-3180	CVE-2018-13785
CVE-2018-3139	CVE-2018-3169	CVE-2018-3214	

**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 FreeFlow® Print Server 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” of this network delivery from a Xerox patch server over the Internet. This easy install method provides a FreeFlow® Print Server customer the option to manage the quarterly

Security Patch Cluster install without need for support from Xerox service. 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 Update or they are not comfortable providing a network tunnel to the Xerox or Microsoft® servers that store the Security Patch Update. 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 82.I2.15 software releases. We have not tested the July 2019 Security Patch Cluster on all earlier FreeFlow® Print Server 8.2 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 v8 software release is as following:

Solaris OS Version	10 Update 11
FFPS Release Version	8.0-2_SP-2_82.I2.15
FFPS Patch Cluster	July 2019
Java Version	Java 6 Update 211

The July 2019 Security Patch Cluster is available for the FreeFlow® Print Server v8 release running on the Xerox® printer products below:

1. Xerox® iGen®4 Press
2. Xerox® Color 800/1000 Press
3. Xerox® Color 560/570 Printer
4. Xerox® 700/700i Digital Color Press
5. Xerox® 770 Digital Color 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. Update Manager is a GUI tool on the FreeFlow® Print Server platform used to check for Security patches, download Security patches, 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 patch server. Procedures are available for the FreeFlow® Print Server System Administrator 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 patch server. When this option is selected the latest Security Patch Cluster should be listed (E.g., **July 2019 Security Patch Cluster for FFPS v8.2**) 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 patch 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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