# Xerox Security Bulletin XRX21-001

## Xerox® FreeFlow® Print Server v2 / Windows® 7

**Supports:**

- Xerox® Color C60/C70 Printer
- Xerox® iGen®5 Press
- Xerox® Brenva™ HD Production Inkjet Press

**Deliverable:** October 2020 Security Patch Update
**Includes:** Java 8 Update 271, and Firefox v81.0.2 Patches
**Bulletin Date:** January 21, 2021

## 1.0 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 FreeFlow® Print Server organization has a dedicated development team, which actively review the US CERT advisory council CVE notifications, and delivers Security patch updates from Microsoft® to remediate the threat of these Security risks for the FreeFlow® Print Server v2 / Windows® v7 (supporting the Integrated and Standalone platforms)

The FreeFlow® Print Server organization delivers Security Patch Updates on the FreeFlow® Print Server v2 / Windows® v7 platform by the FreeFlow® Print Server organization on a quarterly (i.e., 4 times a year) basis. The FreeFlow® Print Server 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.

Xerox tests FreeFlow® Print Server operations with the patch updates to ensure there are no software issues prior to installing them at a customer location. Alternatively, a customer can use Windows® Update to install patch updates directly from Microsoft®. If the customer manages their own patch install, the Xerox support team can suggest options to minimize the risk of FreeFlow® Print Server operation problems that could result from patch updates.

This bulletin announces the availability of the following:

1. **October 2020 Security Patch Update**
   - This supersedes the January 2020 Security Patch Update
2. **Java 8 Update 271 Software**
   - This supersedes Java 8 Update 241 Software
3. **Firefox v81.0.2 Software**
   - This supersedes Firefox v78.0.2

See the US-CERT Common Vulnerability Exposures (CVE) for the Java 8 Update 271 Software in table below:

| Java 8 Update 271 Software Remediated US-CERT CVE's | | | |
|---|---|---|---|
| CVE-2020-14779 | CVE-2020-14782 | CVE-2020-14796 | CVE-2020-14798 |
| CVE-2020-14781 | CVE-2020-14792 | CVE-2020-14797 | |

See US-CERT Common Vulnerability Exposures (CVE) for the October 2020 Security Patch Update in table below:

| October 2020 Security Patch Update Remediated US-CERT CVE's | | | | | |
|---|---|---|---|---|---|
| ADV990001 | CVE-2020-0677 | CVE-2020-0719 | CVE-2020-0736 | CVE-2020-16889 | CVE-2020-16936 |
| CVE-2020-0655 | CVE-2020-0678 | CVE-2020-0720 | CVE-2020-0737 | CVE-2020-16891 | CVE-2020-16937 |
| CVE-2020-0657 | CVE-2020-0680 | CVE-2020-0721 | CVE-2020-0738 | CVE-2020-16897 | CVE-2020-16939 |
| CVE-2020-0658 | CVE-2020-0681 | CVE-2020-0722 | CVE-2020-0744 | CVE-2020-16900 | CVE-2020-16940 |
| CVE-2020-0662 | CVE-2020-0682 | CVE-2020-0723 | CVE-2020-0745 | CVE-2020-16902 | CVE-2020-16972 |
| CVE-2020-0665 | CVE-2020-0683 | CVE-2020-0724 | CVE-2020-0748 | CVE-2020-16912 | CVE-2020-16973 |
| CVE-2020-0666 | CVE-2020-0686 | CVE-2020-0725 | CVE-2020-0752 | CVE-2020-16914 | CVE-2020-16974 |
| CVE-2020-0667 | CVE-2020-0691 | CVE-2020-0726 | CVE-2020-0753 | CVE-2020-16916 | CVE-2020-16975 |
| CVE-2020-0668 | CVE-2020-0698 | CVE-2020-0729 | CVE-2020-0754 | CVE-2020-16920 | CVE-2020-16976 |
| CVE-2020-0673 | CVE-2020-0703 | CVE-2020-0730 | CVE-2020-0755 | CVE-2020-16922 | |
| CVE-2020-0674 | CVE-2020-0705 | CVE-2020-0731 | CVE-2020-0756 | CVE-2020-16923 | |
| CVE-2020-0675 | CVE-2020-0708 | CVE-2020-0734 | CVE-2020-16863 | CVE-2020-16924 | |
| CVE-2020-0676 | CVE-2020-0715 | CVE-2020-0735 | CVE-2020-16887 | CVE-2020-16935 | |

See the US-CERT Common Vulnerability Exposures (CVE) list for the Firefox v 81.0.2 software below:

| Firefox v 81.0.2 Software Remediated US-CERT CVE's | | | | | |
|---|---|---|---|---|---|
| CVE-2020-12400 | CVE-2020-15655 | CVE-2020-15663 | CVE-2020-15668 | CVE-2020-15676 | CVE-2020-6829 |
| CVE-2020-12401 | CVE-2020-15656 | CVE-2020-15664 | CVE-2020-15670 | CVE-2020-15677 | |
| CVE-2020-15652 | CVE-2020-15657 | CVE-2020-15665 | CVE-2020-15673 | CVE-2020-15678 | |
| CVE-2020-15653 | CVE-2020-15658 | CVE-2020-15666 | CVE-2020-15674 | CVE-2020-6463 | |
| CVE-2020-15654 | CVE-2020-15659 | CVE-2020-15667 | CVE-2020-15675 | CVE-2020-6514 | |

**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. The customer can manage their own Security Patch Updates using Windows® Update services, but we recommend checking with Xerox Service to reduce risk of installing patches that have not been tested by Xerox.

## 2.0 Applicability

This October 2020 Security Patch Update (including Java 8 Update 271 software, and Firefox v81.0.2 Patches) is available for the FreeFlow® Print Server v2 Software Release running on Windows® v7 OS. The FreeFlow® Print Server software releases tested with the October 2020 Security Patch Update installed per printer products is illustrated below:

| Printer Products | Patch Update Tested Releases |
|---|---|
| Color C60/C70 Printer | CP. 20.1.18237.0 |
| | CP. 22.1.19175.0 |
| IGen®5 Press | CP. 23.0.20238.0 |
| Brenva™ Printer | CP. 22.1.19175.0 |

All of the listed printer products were tested with each of the releases listed.

Security of the network, devices and information on a customer network may be a consideration when deciding whether to use the USB, or Windows® Update method of Security Patch Update delivery and install. Delivery and install of the Security Patch Update using Update Manager may still be a concern for some highly "secure" customer locations such as US Federal and State Government sites. Alternatively, delivery and install of Security Patch Updates from USB media may be more desirable for these highly Security sensitive customers. They can perform a Security scan of the USB media with a virus

protection application prior to install. If the customer does not allow use of USB media for devices on their network, you can transfer (using SMB, SFTP, or SCP) the Security Patch Update to the FreeFlow® Print Server platform, and then install.

## 3.0 Patch Install

Xerox strives to deliver these critical Security Patch Updates in a timely manner. The customer process to obtain FreeFlow® Print Server Security Patch Updates (delivered on a quarterly basis) is to contact the Xerox hotline support number. The methods of Security Patch Update delivery and install are over the network using FreeFlow® Print Server Update Manager or directly from Microsoft® using Windows® Update service, and using media (i.e., USB).

We recommend the customer use the FreeFlow® Print Server Update Manager or Microsoft® Windows® Update 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 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 is the best option under those circumstances.

### 3.1 USB Media Delivery

Xerox uploads the FreeFlow® Print Server Security Patch Update to a "secure" SFTP site that is available to the Xerox Analyst and Service once the deliverables have been tested and approved. The FreeFlow® Print Server patch deliverables are available as a ZIP archive, 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 FreeFlow® Print Server software release. The install script includes options to install the Security Patch Update directly from USB media or from the FreeFlow® Print Server internal hard disk. A PDF document is available with procedures to install the Security Patch Update using the USB media delivery method upon request.

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

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

| Security Patch File | Windows® Size (K-bytes) | Size in Bytes |
|---|---|---|
| FFPSv2-Win7_SecPatchUpdate_Oct2020.zip | 4,854,679 | 4,971,186,896 |

### 3.2 Windows® Update Delivery

Windows® Update services enables information technology administrators to deploy the latest Microsoft® product updates to computers that are running the Windows® operating system. By using Windows® Update service, administrators can fully manage the distribution of updates released through Microsoft® Update to FreeFlow® Print Server platforms on their network.

Microsoft® uploads the Patch Updates to a server that is available on the Internet outside of the Microsoft® Corporate network once patch deliverables have been tested and approved. Installing the Security patches directly from Microsoft® using the Windows® Update service brings some risk given they have not been tested by Xerox on the FreeFlow® Print Server platform. It is required that the customer proxy server information be configured on the FreeFlow® Print Server platform so that the Windows® Update service can gain access to the Microsoft® server over the Internet outside of the customer network. Xerox is not responsible for the Security of the connection to the Microsoft® patch server.

We recommend manually performing a FreeFlow® Print Server System Backup and a Windows® Restore Point backup just prior to checking for the Windows® patch updates and installing them. This will give assurance of FreeFlow® Print Server system recovery if the installed Security patches create a software problem or results in the FreeFlow® Print Server software becoming inoperable. The Security Patch Update makes changes to only the Windows® 7 OS system, and not the FreeFlow® Print Server software. Therefore, the restore of a Windows® Restore Point (prior to patch install) will reverse install of the Security Patch Update if recovery is required and is much faster than the full FreeFlow® Print Server System Restore. We recommend performing a full FreeFlow® Print Server System Backup for redundancy purposes in case the checkpoint restore does not work. The only option for FreeFlow® Print Server system recovery may be the FreeFlow® Print Server System Backup if the system should become inoperable such that Windows® is not stable. Make sure to store the FreeFlow® Print Server System backup onto a remote storage location or USB media.

## 4.0 Disclaimer

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