Xerox Security Bulletin XRX18-039
Xerox® EFI® Print Servers
For: Windows and Linux Operating System
Install Method: Update Manager

Deliverable: Microsoft OS Patches for Windows 7, 8.1, and 10 / Fiery BIOS update for Linux
Includes: Windows patches and Fiery BIOS
Bulletin Date: November 7, 2018

1.0 Background

Microsoft® delivers Critical Patch Updates (CPU) to address US-CERT-announced Security vulnerabilities and deliver reliability improvements to the Windows Operating platform. Microsoft® provides these patches to the public, and authorizes vendors like Xerox® to deliver them to Customers with active Fiery® Print Server Support Contracts (FSMA).

This bulletin announces the availability of the following:

Variant	Description	CVE	Codename	More info
Variant 1	Bounds check bypass	CVE-2017-5753	Spectre v1	Website
Variant 1.1	Bounds check bypass on stores	CVE-2018-3693	Spectre 1.1	Paper
Variant 1.2	Read-only protection bypass	CVE unknown	Spectre 1.2	Paper
Variant 2	Branch target injection	CVE-2017-5715	Spectre v2	Website

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

There are two level of updates available.

1. OS updates:

    Patches have been developed by Microsoft and Apple developers for protection against Meltdown for Windows (7, 8.1, & 10) and OS X.

    a. Client Windows and Mac systems - For Client PCs and Macs, EFI recommends maintaining the Operating System with the latest security updates provided by Microsoft and Apple.
    b. Windows OS on Fiery servers:

    EFI recommends to regularly maintain your Fiery Windows server and keep it up to date with the latest Security Updates provided by Microsoft.
    Information from Microsoft to protect Windows OS against Spectre and Meltdown can be obtained at:
    https://support.microsoft.com/en-us/help/4073757/protect-your-windows-devices-against-spectre-meltdown

2. Fiery BIOS updates for Linux systems

As mentioned in the "Impact" section above, these systems are enclosed and therefore EFI does not plan to release BIOS updates for current released products. Sharable under NDA – EFI Confidential August 28, 2018 © Copyright 2018 | ELECTRONICS FOR IMAGING INC 3 of 5

EFI updates new products in development to the latest security standards and patches. Therefore, we are applying BIOS fixes to new systems.

Table 1:

Fiery HW Platform	New BIOS Available	Comment
E400	Yes	Provided only for new projects in development as of August 2018

Products listed in "Table 2" will not receive a BIOS Update for products already released. The same statement applies to older Linux based platforms not included in this table.

Table 2:

Fiery HW Platform	New BIOS Available	Comment
E300	No	
E200	No	
E100	No	
E10/E20	No	
A10	No	This HW is not affected.

3. Fiery BIOS updates for Windows systems

Products in "Table 3" below have BIOS Update fixes available from EFI that address "Variant 1" to "Variant 4" mentioned above.

Table 3:

Fiery HW Platform	New BIOS Available
NX Premium Gen III	Yes
NX Premium Gen II	Yes
NX Premium Gen I	Yes
NX One	Yes
QX 100-VIII	Yes

Products in "Table 4" will receive a BIOS Update fix from EFI that address the same "Variant 1" to "Variant 4". The BIOS fixes are still in progress and EFI will provide a finalize the release schedule by Oct 1st, 2018.

Table 4:

Fiery HW Platform	New BIOS Update Available
XB Gen-I (2U)	In Evaluation
XB Gen-I (4U)	In Evaluation
NX Premium Gen I	In Evaluation
NX Pro Gen I	In Evaluation
QX 100-VI	In Evaluation
QX 100-V	In Evaluation
QX 100-IV	In Evaluation
QX 100-III	In Evaluation
Pro 90-V	In Evaluation
Pro 90-IV	In Evaluation
Pro 90-V	In Evaluation
Pro 80-V	In Evaluation
Pro 80-IV	In Evaluation
SP30-III	In Evaluation

Products in "Table 5" will not receive a BIOS Update.

Table 5:

Fiery HW Platform	Available
QX 100-I/100-II	No
Pro 80-III/80-II	No
SP30-II/30-I	No

Any older platforms not listed in Table 5 will not receive a BIOS update.

3.0 Installation

Installation instructions will be included in the release notes with the BIOS updates.