

Xerox Security Bulletin XRX14-006

Bash Shellshock Command Line Interpreter Vulnerability

v1.1
11/07/14

Background

A vulnerability has been discovered in the Bash command shell that can allow attackers to remotely execute commands on a target system. Even systems that don't allow remote command shell connections may still use Bash to execute commands in the Apache web server and other network-facing applications. Unix and Unix-derived systems like Linux and Mac OS X are vulnerable to these attacks since they use Bash as the default command shell.

A software solution consisting of zip files, each one containing a patch, is provided for the products listed below. This solution will replace the affected version of Bash with an unaffected version of Bash in the Linux Operating System for the affected products.

This solution is designed to be installed by the customer. Each software patch is compressed into a zip file and can be accessed via the links below or via the links following this bulletin announcement on www.xerox.com/security.

Patch for the ColorQube 9201/9202/9203 CBC: SSCQ92xx.06x.050.v1.zip --
<http://www.xerox.com/downloads/usa/en/s/SSCQ92xx.06x.050.v1.zip>

Patch for the ColorQube 9201/9202/9203 SBC: SSCQ92xx.06x.080.v1.zip --
<http://www.xerox.com/downloads/usa/en/s/SSCQ92xx.06x.080.v1.zip>

Patch for the WorkCentre 5135/5150: SSWC51xxv1.zip -- <http://www.xerox.com/downloads/usa/en/s/SSWC51xxv1.zip>

Patch for the WorkCentre 5632/5638/5645/5655/5665/5675/5687 (System Software Versions 021.105.01 and 021.113.xxx.yyy): SSWC56xx.21.113.v1.zip -- <http://www.xerox.com/downloads/usa/en/s/SSWC56xx.21.113.v1.zip>

Patch for the WorkCentre 5632/5638/5645/5655/5665/5675/5687 MBC (System Software Versions 021.120.xxx.yyy): SSWC56xx.21.120.v1.zip -- <http://www.xerox.com/downloads/usa/en/s/SSWC56xx.21.120.v1.zip>

Note: This replaces the patch for these software versions that was issued in Version 1.0 of this bulletin on 10/31/14.

Patch for the WorkCentre 5632/5638/5645/5655/5665/5675/5687 SBC (System Software Versions 025.xxx.yyy.zzz): SSWC56xx.25.xxx.v1.zip -- <http://www.xerox.com/downloads/usa/en/s/SSWC56xx.25.xxx.v1.zip>

Note: This replaces the patch for these software versions that was issued in Version 1.0 of this bulletin on 10/31/14.

Patch for the WorkCentre 5735/5740/5745/5755/5765/5775/5790: SSWC57xxv1.zip --
<http://www.xerox.com/downloads/usa/en/s/SSWC57xxv1.zip>

Patch for the WorkCentre 7755/7765/7775: SSWC77xxv1.zip -- <http://www.xerox.com/downloads/usa/en/s/SSWC77xxv1.zip>

This solution is classified as an **Critical** patch.

Please follow the instructions starting on page 3 for each affected product to install the relevant security patch.

IMPORTANT NOTE: If you upgrade software on the device after installing the relevant security patch, you will have to reinstall the security patch after the upgrade has been completed.

Applicability

This patch applies to network-connected versions¹ only of the following products:

ColorQube®	WorkCentre®	WorkCentre®
9201	5135	5735
9202	5150	5740
9203	5632	5745
	5638	5755
	5645	5765
	5655	5775
	5665	5790
	5675	7755
	5687	7765
		7775

¹ If the product is not connected to the network, it is not vulnerable and therefore no action is required.

Instructions (What must to be done If I have one of the affected products?)

Determine what actions, if any, need to be performed to prep the device for patch installation and then install the patch:

1. Determine the current System Software version or the Controller/ ESS Version on your device by printing a Configuration Report. To print a Configuration Report follow the instructions for how to print a Configuration Report in the System Administrator Guide for each product in question.
2. Determine if any action needs to be taken based on the System Software version, or the Controller/ ESS Version listed on the Configuration Report for each device. This is done by following steps 3 through 6.
3. Determine the appropriate Patch Installation Action Table to follow starting on page 4 by looking for your product number at the top of each chart, and matching it to your specific product.
4. Locate either the System Software version or the Controller/ ESS Version in the chart that matches or falls within the listed Software versions.
5. From the directions in the Patch Installation Action Table for the affected product and System Software version or the Controller/ESS Version determine what action(s) , if any, have to be taken before the applicable patch can be installed.
6. Perform the indicated action(s) to get your device ready to install the applicable patch.
7. Make sure that Software Upgrade enabled on the device (i.e., turned on) if it is disabled.
8. Once your device is ready to install the applicable patch, follow the instructions below under Install the Patch on page 6 to install the patch on the device.

Patch Installation Action Tables

The following tables indicate what actions, if necessary, are needed before the patch can be installed on an affected device:

For CQ 9201/9202/9203

	If Your Software Version Is System SW or Controller	Ready for Patch?	Next step:	Controller/ESS Will Now Show:
1	060.080.009.30824 to 061.080.223.05100	Yes	Install the SSCQ92xx.06x.080.v1.dlm patch	061.080.06850.SSv1 to 061.083.04940.SSv1
2	061.080.223.29800 or greater	Yes	Install the SSCQ92xx.06x.080.v1.dlm patch	061.083.20645.LL.SSv1 or greater
3	060.050.009.03614 to 060.050.009.30823	Yes	Install the SSCQ92xx.06x.050.v1.dlm patch	060.059.07210.SSv1 to 061.050.05551.SSv1
4	061.050.220.15200 or greater	Yes	Install the SSCQ92xx.06x.050.v1.dlm patch	061.050.15440.SSv1 or greater

For WC 5135/5150

	If Your Software Version Is System SW or Controller	Ready for Patch?	Next step:	Controller/ESS Will Now Show:
1	021.120.031.000 to 021.120.060.080	Yes	Install the SSWC51xxv1.dlm patch	60.108.35300.SSv1 to 61.101.06200.SSv1
2	021.120.065.120 or greater	Yes	Install the SSWC51xxv11.dlm patch	61.101.14310.SSv1 or greater

For WC 5632/5638/5645/5655/5665/5675/5687

	If Your Software Version Is System SW or Controller	Ready for Patch?	Next step:	Controller/ESS Will Now Show:
1	20.113.02.000 to 20.113.02.091	N/A	Patch Not Required – Is Not Network Connected	No Controller/ESS
2	21.105.01	Yes	Install the SSWC56xx.21.113.v1.dlm patch	50.060.50730.SSv1
3	21.113.02 to 21.113.02.091	Yes	Install the SSWC56xx.21.113.v1.dlm Patch	50.060.50812.SSv1 to 50.060.51011.SSv1
4	021.120.031.000 to 021.120.060.080	Yes	Install the SSWC56xx.21.120.v1.dlm patch ²	60.108.35300.SSv1 to 61.101.06200.SSv1
5	021.120.065.120 or greater	Yes	Install the SSWC56xx.21.120.v1.dlm Patch ²	61.101.14310.SSv1 or greater
6	25.054.010.000 or greater ³	Yes	Install the SSWC56xx.25.xxx.v1.dlm patch ²	060.068.25600.SSv1 or greater

² This replaces the patch for these system software versions that was issued on 10/31/14

³ All system software releases that begin with 25.054.xxx.yyy

For WC 5735/5740/5745/5755/5765/5775/5790

	If Your Software Version Is System SW or Controller		Ready for Patch?	Next step:	Controller/ESS Will Now Show:
1	061.130.000.04205 to 061.130.221.04500	61.130.06150 to 61.131.00400	Yes	Install the SSWC57xxv1.dlm patch	61.130.06150.SSv1 to 61.131.00400.SSv1
2	061.131.221.10401 to 061.132.223.26102	61.131.10221 to 61.133.26121	Yes	Install the SSWC57xxv1.dlm patch	61.131.10221.SSv1 to 61.133.26121.SSv1
3	61.132.224.01001 or greater	61.134.01020 or greater	Yes	Install the SSWC57xxv1.dlm patch	61.134.01020.SSv1 or greater

For WC 7755/7765/7775

	If Your Software Version Is System SW or Controller		Ready for Patch?	Next step:	Controller/ESS Will Now Show:
1	060.090.009.23712 to 061.090.220.19700	060.099.23310 to 061.090.18320	Yes	Install the SSWC77xxv1.dlm patch	060.099.23310.SSv1 to 061.090.18320.SSv1
2	061.090.220.23700 or greater	061.090.23220 or greater	Yes	Install the SSWC77xxv1.dlm patch	061.090.23220.SSv1 or greater

Install the Patch

You must download these two patches. Each patch is packaged in a ZIP format. Download the applicable zip file from the URL provided and extract the contents to a convenient location on your desktop. Do not try to open the DLM files; the DLM files must be loaded on the MFD as is.

Patch Installation Methods

These two patches can and should be installed by the customer. There are a variety of methods available for this.

- Send an Upgrade / Patch file to the device using the device web page for Machine Software Upgrade method.
- Upgrade / Patch a single device using an LPR command.
- Upgrade / Patch several devices using a batch of LPR commands.
- Using XDM and CentreWare Web to send Upgrade / Patch files to several devices.

For these two patches it is recommended that the patch be installed using the Machine Software Upgrade Method.

Make sure that software upgrade is set to 'Enabled' on the device before attempting to install the applicable patch.

Machine Software (Upgrade) Method

- 1) Open a web browser and connect to the multifunction device by entering the device's IP address.
- 2) Login with Admin credentials
- 3) Select the "Index" icon in the upper right corner.
- 4) Select "Manual Upgrade".
- 5) At the Upgrade screen, select Browse button to find and select the file (see page 1).
- 6) Press the "Install Software" button.
- 7) The patch will install automatically and the machine will reboot.
- 8) When the patch install is complete, a Configuration Report will be printed and the Network Controller version listed on the configuration report will have the patch name ('SSv1') appended to it. The Network Controller version listed on the Configuration Report obtained from the CentreWare Internet Services (CWIS) web interface will also will have the patch name ('SSv1') appended to it.

Note: If the incorrect patch is sent to a device the device will reject the submitted patch.

Disclaimer

The information provided in this Xerox Product Response is provided "as is" without warranty of any kind. Xerox Corporation The information provided in this Xerox Product Response is provided "as is" without warranty of any kind. Xerox Corporation disclaims all warranties, either express or implied, including the warranties of merchantability and fitness for a particular purpose. In no event shall Xerox Corporation be liable for any damages whatsoever resulting from user's use or disregard of the information provided in this Xerox Product Response including direct, indirect, incidental, consequential, loss of business profits or special damages, even if Xerox Corporation has been advised of the possibility of such damages. Some states do not allow the exclusion or limitation of liability for consequential damages so the foregoing limitation may not apply.

©2014 Xerox Corporation. All rights reserved. Contents of this publication may not be reproduced in any form without permission of Xerox Corporation. XEROX®, XEROX and Design®, DocuShare®, CentreWare®, Phaser®, ColorQube®, Document Centre®, WorkCentre®, and WorkCentre Pro® are trademarks of Xerox Corporation in the United States and/or other countries. Adobe® and PostScript® are registered trademarks or trademarks of Adobe Systems, Incorporated. All other trademarks are the property of their respective manufacturers.

The information in this bulletin is subject to change without notice.