

# Xerox Security Bulletin XRX14-005

## Bash Shellshock Command Line Interpreter Vulnerability

v1.1  
10/17/14

### 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 two 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 311 KB zip file and can be accessed via the links below or via the links following this bulletin announcement on [www.xerox.com/security](http://www.xerox.com/security).

Patch for applicable<sup>1</sup> software system versions '.071.xxx.yyy.xzzzz': SSConnectKey.071v2.zip  
<http://www.xerox.com/downloads/usa/en/s/SSConnectKey.071v2.zip>

Patch for software system versions '.072.xxx.yyy.xzzzz': SSConnectKey.072v2.zip  
<http://www.xerox.com/downloads/usa/en/s/SSConnectKey.072v2.zip>

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

Please follow the instructions starting on page 2 for each affected product to install the relevant security patch.

### Applicability

This patch applies to network-connected versions<sup>2</sup> only of the following products:

ColorQube®	WorkCentre®
8700	3655
8900	5845
9301	5855
9302	5865
9303	5875
	5890
	5945
	5955
	6655
	7220
	7225
	7830
	7835
	7845
	7855
	7970

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<sup>1</sup> See Patch Installation Action Tables

<sup>2</sup> If the product is not connected to the network, it is not vulnerable and therefore no action is required.

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### **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 ESS Controller 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 ESS Controller 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 3 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 ESS Controller 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 ESS Controller 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 8700/8900

	If Your Software Version Is System SW or Controller	Ready for Patch?	Next step:	Controller/ESS Will Now Show:	
1	071.160.101.35100 to 071.160.223.10700	---	No	Wait for patch release	---
2	071.161.203.09300 to 071.161.034.06000	071.163.09320 to 071.164.06010.LL	Yes	Install the SSConnectKey.071v2.dlm patch	071.163.09320.SSv2 to 071.164.06010.LL.SSv2
3	072.162.004.09100 or greater	072.164.09100 or greater	Yes	Install the SSConnectKey.072v2.dlm patch	072.164.09100.SSv2 or greater

## For CQ 9301/9302/9303

	If Your Software Version Is System SW or Controller	Ready for Patch?	Next step:	Controller/ESS Will Now Show:	
1	061.180.101.04101 to 061.180.223.11601	061.181.04120 to 061.183.11332	No	Wait for patch release	061.181.04120 to 061.183.11332
2	071.180.203.05402 to 071.180.034.06000	071.183.05410 to 071.184.06010.LL	Yes	Install the SSConnectKey.071v2.dlm patch	071.183.05410.SSv2 to 071.184.06010.LL.SSv2
3	072.180.004.09101 or greater	072.184.09100 or greater	Yes	Install the SSConnectKey.072v2.dlm patch	072.184.09100.SSv2 or greater

## For WC 3655

	If Your Software Version Is System SW or Controller	Ready for Patch?	Next step:	Controller/ESS Will Now Show:	
1	072.060.034.16800 or greater	072.034.16800 or greater	Yes	Install the SSConnectKey.072v2.dlm patch	072.034.16800.SSv2 or greater

## For WC 5845/5855/5865/5875/5890

	If Your Software Version Is System SW or Controller	Ready for Patch?	Next step:	Controller/ESS Will Now Show:	
1	071.190.102.34907 to 071.190.034.06000	071.192.34913 to 071.194.06010.LL	Yes	Install the SSConnectKey.071v2.dlm patch	071.192.34913.SSv2 to 071.194.06010.LL.SSv2
2	072.190.004.09101 or greater	072.194.09100 or greater	Yes	Install the SSConnectKey.072v2.dlm patch	072.194.09100.SSv2 or greater

## For WC 5945/5955

	If Your Software Version Is System SW or Controller	Ready for Patch?	Next step:	Controller/ESS Will Now Show:	
1	071.090.004.11404 or greater	071.094.11400.LL or greater	Yes	Install the SSConnectKey.071v2.dlm patch	071.094.11400.LL.SSv2 or greater

**For WC 6655**

	<b>If Your Software Version Is System SW or Controller</b>	<b>Ready for Patch?</b>	<b>Next step:</b>	<b>Controller/ESS Will Now Show:</b>
1	072.110.044.20500 or greater 072.144.20500 or greater	Yes	Install the SSConnectKey.072v2.dlm patch	072.144.20500.SSv2 or greater

**WC 7220/7225**

	<b>If Your Software Version Is System SW or Controller</b>	<b>Ready for Patch?</b>	<b>Next step:</b>	<b>Controller/ESS Will Now Show:</b>
1	071.030.103.04401 to 071.030.034.06000 071.033.04411 to 071.034.06010.LL	Yes	Install the SSConnectKey.071v2.dlm patch	071.033.04411.SSv2 to 071.034.06010.LL.SSv2
2	072.030.004.09100 or greater 072.034.09100 or greater	Yes	Install the SSConnectKey.072v2.dlm patch	072.034.09100.SSv2 or greater

**For WC 7830/7835**

	<b>If Your Software Version Is System SW or Controller</b>	<b>Ready for Patch?</b>	<b>Next step:</b>	<b>Controller/ESS Will Now Show:</b>
1	071.010.102.34900 to 071.010.034.06000 071.012.34910 to 071.014.06010.LL	Yes	Install the SSConnectKey.071v2.dlm patch	071.012.34910.SSv2 to 071.014.06010.LL.SSv2
2	072.010.004.09100 or greater 072.014.09100 or greater	Yes	Install the SSConnectKey.072v2.dlm patch	072.014.09100.SSv2 or greater

**For WC 7845/7855**

	<b>If Your Software Version Is System SW or Controller</b>	<b>Ready for Patch?</b>	<b>Next step:</b>	<b>Controller/ESS Will Now Show:</b>
1	071.040.102.34900 to 071.040.034.06000 071.042.34910 to 071.044.06010.LL	Yes	Install the SSConnectKey.071v2.dlm patch	071.042.34910.SSv2 to 071.044.06010.LL.SSv2
2	072.040.004.09100 or greater 072.044.09100 or greater	Yes	Install the SSConnectKey.072v2.dlm patch	072.044.09100.SSv2 or greater

**For WC 7970**

	<b>If Your Software Version Is System SW or Controller</b>	<b>Ready for Patch?</b>	<b>Next step:</b>	<b>Controller/ESS Will Now Show:</b>
1	072.200.024.14107 or greater 072.204.14100 or greater	Yes	Install the SSConnectKey.072v2.dlm patch	072.204.14100.SSv2 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 (either **SSConnectKey.071v2.dlm** or **SSConnectKey.072v2.dlm** as applicable).
- 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 ('SSv2') 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 ('SSv2') appended to it.

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

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