Xerox Security Bulletin XRX14-005
Bash Shellshock Command Line Interpreter Vulnerability
v1.2
10/28/14

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 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 WorkCentre 7525/7530/7535/7545/7556: SSWC75xxv1.zip
http://www.xerox.com/downloads/usa/en/s/SSWC75xxv1.zip

Patch for applicable[1] software system versions '.061.xxx.yyy.xzzzz for the ColorQube 93019302/9303': SSCQ93xx.061v1.zip
http://www.xerox.com/downloads/usa/en/s/SSCQ93xx.061v1.zip

Patch for applicable[2] 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 3 for each affected product to install the relevant security patch.

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[1] See Patch Installation Action Tables
[2] See Patch Installation Action Tables

Applicability

This patch applies to network-connected versions[3] only of the following products:

ColorQube®	WorkCentre®	WorkCentre®
8700	3655	7525
8900	5790	7530
9301	5845	7535
9302	5855	7545
9303	5865	7556
	5875	7830
	5890	7835
	5945	7845
	5955	7855
	6655	7970
	7220	
	7225	

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[3]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 8700/8900

	If Your Software Version Is		Ready for Patch?	Next step:	Controller/ESS Will Now Show:
	System SW	or Controller			
1	071.160.101.35100 to 071.160.223.10700	--- to 071.163.10720	No	Wait for patch release	--- to 071.163.10720
2	071.161.203.09300to 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		Ready for Patch?	Next step:	Controller/ESS Will Now Show:
	System SW	or Controller			
1	061.180.101.04101 to 061.180.223.11601	061.181.04120 to 061.183.11332	Yes	Install the SSCQ93xx.061v1.dlm patch	061.181.04120.SSv1 to 061.183.11332.SSv1
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		Ready for Patch?	Next step:	Controller/ESS Will Now Show:
	System SW	or Controller			
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		Ready for Patch?	Next step:	Controller/ESS Will Now Show:
	System SW	or Controller			
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		Ready for Patch?	Next step:	Controller/ESS Will Now Show:
	System SW	or Controller			
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

	If Your Software Version Is		Ready for Patch?	Next step:	Controller/ESS Will Now Show:
	System SW	or Controller			
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

	If Your Software Version Is		Ready for Patch?	Next step:	Controller/ESS Will Now Show:
	System SW	or Controller			
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 7525/7530/7535/7545/7556

	If Your Software Version Is		Ready for Patch?	Next step:	Controller/ESS Will Now Show:
	System SW	or Controller			
1	061.120.100.20700 to 061.121.224.18802	061.120.20710 to 061.124.18820.LL	Yes	Install the SSWC75xxv1.dlm patch	061.120.20710.SSv1 to 061.124.18820.LL.SSv1
2	061.121.224.27301 or greater	061.124.27220.LL or greater	Yes	Install the SSWC75xxv1.dlm patch	061.124.27220.LL.SSv1 or greater

For WC 7830/7835

	If Your Software Version Is		Ready for Patch?	Next step:	Controller/ESS Will Now Show:
	System SW	or Controller			
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

	If Your Software Version Is		Ready for Patch?	Next step:	Controller/ESS Will Now Show:
	System SW	or Controller			
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

	If Your Software Version Is		Ready for Patch?	Next step:	Controller/ESS Will Now Show:
	System SW	or Controller			
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 (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' or 'SSv2', as applicable) 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' or 'SSv2', as applicable) appended to it.
Note: If the incorrect patch is sent to a device the device will reject the submitted patch.

Disclaimer

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