

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 applicable¹ 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 applicable² 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.

¹ See Patch Installation Action Tables

² See Patch Installation Action Tables

Applicability

This patch applies to network-connected versions³ 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 | |

³If 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 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 | 071.163.10720 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 | 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 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

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

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