Xerox Security Bulletin XRX10-002
Software update to address Authorization Bypass Vulnerabilities
v1.1
03/29/10

Background

Vulnerabilities exist in the Network Controller and Web Server of the products listed below. If exploited these vulnerabilities could permit an attacker to either bypass Scan to Mailbox authorization to access mailboxes stored on the device or bypass web server authorization to view device configuration settings. Customer and user passwords are not exposed.

A software solution (patch P41) is provided for the product listed below. This solution is designed to be installed by the customer. Please follow the procedures below to install the solutions to protect your product from possible attack through the network.

The software solution is compressed into a 2.6 MB zip file and can be accessed via the link below or via the link following this bulletin announcement on www.xerox.com /security.

http://www.xerox.com/downloads/usa/en/c/cert_WC_CQ_P41v11_Patch.zip

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

Acknowledgment

Xerox wishes to thank Daniel Fabian, SEC Consult, Vienna Austria (www.sec-consult.com) for initially notifying us of these vulnerabilities.

Applicability

This patch applies to network-connected versions[1] only of the following products:

WorkCentre®	WorkCentre® / WorkCentre Pro®	ColorQube®
5030	232	9201
5050	238	9202
5135	245	9203
5150	255	
5632	265	
5638	275	
5645		
5655		
5665		
5675		
5687		
6400		
7655		
7665		
7675		
7755		
7765		
7775		

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

Install Instructions

Install Instructions

Patch file name: **WC_CQ_P41v11.dlm**

This patch can be installed to your systems as outlined below.

Summary of versions and actions:
- Determine starting System Software version or ESS Controller Version.
- Determine what upgrades are necessary.
- Upgrade devices as needed.
- Apply the patch if needed.

For WC/WCP 232/238/245/255/265/275

	If Your Software Version Is		Ready for			Network Controller/ESS Will Now
	System SW	or ESS Controller	Patch?	Next step:	Then:	Show:
1	*.27.24.000 to *.27.24.020	040.010.#0930 to 040.010.#1160	No	Upgrade to *.60.22.000 or higher. See Appendix A	Load P41 patch	040.022.#1031.xx.xx.P41v11
2	*.39.24.001	040.010.#1123	No	Upgrade to *.60.22.000 or higher. See Appendix A	Load P41 patch	040.022.#1031.xx.xx.P41v11
3	*.50.03.000 to *.50.03.009	040.010.#1172 to 040.010.#2250	No	Upgrade to *.60.22.000 or higher. See Appendix A	Load P41 patch	If patch is applied 040.022.#1031.xx.xx.P41v11
4	*.50.03.011	040.010.#2280	No	Call Service to upgrade to *.60.22.000 or higher	Load P41 patch	If patch is applied 040.022.#1031.xx.xx.P41v11
5	*.60.15.000	040.022.#0112	No	Upgrade to *.60.22.000 or higher See Appendix A	Load P41 patch	040.022.#1031.xx.xx.P41v11
6	*.60.17.000 to *.60.18.000	040.022.#0115 to 040.022.#1031	No	Upgrade to *.60.22.000 or higher See Appendix A	Load P41 patch	040.022.#1031.xx.xx.P41v11
7	*.60.22.000 to *.60.22.071	040.022.#1031 to 040.022.#1231	Yes	Load P41 patch	-	040.022.#1031.xx.xx.P41v11 to 040.022.#1231.xx.xx.P41v11
8	Above *.60.22.071	Above 040.022.#1231	N/A – fix is already in the software	Done	-	-

For WC 5030/5050

	If Your Software Version Is		Ready for Patch?	Next step:	Then:	Network Controller/ESS Will Now Show:
	System SW or	Net Controller				
1	5.003.07.xxx	1.08.xxx.xx	NA – this software is not vulnerable	-	-	-
2	5.004.44.000 to 5.004.44.030	001.035.547.01 to 001.035.549.01	Yes	Load P41 patch	-	001.035.547.01.P41v11 to 001.035.549.01.P41v11
3	Above 5.004.44.030	Above 001.035.549.01	NA – fix is already in the software	Done	-	-

For WC 6400

	If Your Software Version Is		Ready for Patch?	Next step:	Then:	Network Controller/ESS Will Now Show:
	System SW or	Net Controller				
1	060.070.109.11403 to 060.070.100.00610	060.079.11410 to 060.079.35010	Yes	Load P41 patch	-	060.079.11410.P41v11 to 060.079.35010.P41v11
2	Above 060.070.100.00610	Above 060.079.35010	NA – fix is already in the software	Done	-	-

For WC 7655/7665/7675

	If Your Software Version Is		Ready for Patch?	Next step:	Then:	Network Controller/ESS Will Now Show:
	System SW or	Net Controller				
1	040.032.xxxxx	040.032.xxxxx	No	Call Service to Upgrade to 040.033.53050	Load P41 patch	040.033.53050.xx.xx.P41v11
2	040.033.50500 to 040.033.53040	040.033.50500 to 040.033.53040	No	Upgrade to 040.033.53050	Load P41 patch	040.033.53050.xx.xx.P41v11
3	040.033.53050 to 040.033.53165	040.033.53050 to 040.033.53165	Yes	Load P41 patch	-	040.033.53050.xx.xx.P41v11 to 040.033.53165.xx.xx.P41v11
4	040.033.53170	040.033.53170 and above	NA – fix is already in the software	Done	-	-

For WC 7755/7765/7775

	If Your Software Version Is System SW	or Net Controller	Ready for Patch?	Next step:	Then:	Network Controller/ESS Will Now Show:
1	060.090.009.23712 to 060.090.009.34821	060.099.23310 to 060.099.34620	Yes	Load P41 patch	-	060.099.23310.P41v11 to 060.099.34620.P41v11
2	Above 060.090.009.34821	Above 060.099.34620	NA – fix is already in the software	Done	-	-

For CQ 9201/9202/9203

	If Your Software Version Is System SW	or Net Controller	Ready for Patch?	Next step:	Then:	Network Controller/ESS Will Now Show:
1	060.050.009.03614 to 060.050.009.30823	060.059.07210 to 061.050.05551	Yes	Load P41 patch	-	060.059.07210.P41v11 to 061.050.05551.P41v11
2	Above 060.050.009.30823	Above 061.050.05551	NA – fix is already in the software	Done	-	-

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

	If Your Software Version Is System SW	or Net Controller	Ready for Patch?	Next step:	Then:	Network Controller/ESS Will Now Show:
1	21.105.01.000	050.060.50730	No	Upgrade to 21.113.02.000	Load P41 patch	050.060.50812.07.xx.P41v11*
2	21.113.02.000 to 21.113.02.091	050.060.50812 to 050.060.51011	Yes	Load P41 patch		050.060.50812.07.xx.P41v11* to 050.060.51011.07.xx.P41v11*
3	Above 21.113.02.091	Above 050.060.51011	NA – fix is already in the software	Done	-	-
4	21.120.31.000 to 21.120.45.045	060.108.35300 to 060.109.25900	Yes	Load P41 patch	-	060.108.35300.07.xx.P41v11* to 060.109.25900.07.xx.P41v11*
5	Above 21.120.45.045	Above 060.109.25900	NA – fix is already in the software	Done	-	-
6	25.054.010.000 to 25.054.045.045	060.068.25600 to 060.069.25900	Yes	Load P41 patch	-	060.068.25600.P41v11** to 060.069.25900.P41v11**
7	Above 25.054.045.045	Above 060.069.25900	NA – fix is already in the software	Done	-	-

*07.xx indicates the BIOS version.

**No BIOS version is indicated because this device does not have a BIOS version.

For WC 5135/5150

	If Your Software Version Is		Ready for Patch?	Next step:	Then:	Network Controller/ESS Will Now Show:
	System SW or	Net Controller				
1	21.120.39.000 to 21.120.45.045	060.109.10507 to 060.109.25900	Yes	Load P41 patch	-	060.109.10507.xx.xx.P41v11 to 060.109.25900.xx.xx.P41v11
2	Above 21.120.45.045	Above 060.109.25900	NA – fix is already in the software	Done	-	-

Install the Patch

You must download the patch. The patch is packaged in a ZIP format. Download the ZIP file from the URL provided and extract all contents to your desktop. Do not try to open the file with the .DLM extension. This is the patch and must be loaded on the MFD as is.

Patch Installation Methods

This patch and upgrade (like most software) 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 additional information on the above methods refer to Customer Tip "How to Upgrade, Patch or Clone Xerox Multifunction Devices" (http://www.office.xerox.com/support/dctips/dc06cc0410.pdf)

Machine Software (Upgrade) Method

1) Open a web browser and connect to the multifunction device by entering the IP number of the device.
2) Select the "Index" icon in the upper middle portion of the screen.
3) Select "Machine Software (Upgrades)."
4) Enter the User Name and Password of the device.
5) Under "Manual Upgrade" select Browse button to find and select the file, **WC_CQ_P41v11.dlm**
6) Select the "Install Software" button.
7) All WorkCentres will automatically reboot in order to install the patch. The patch is installed when **.P41v11** is appended to the Network Controller (ESS) version number.

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