MOTOROLA *SOLUTIONS*

DOCUMENT NUMBER:	**MTN-0168-24**
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MOTOROLA SOLUTIONS TECHNICAL NOTIFICATION (MTN)

Title
Security firmware update of Juniper EX 4100-F switch to version 22.4R3-S2.12 and HPE Aruba 2930F switch to version WC.16.11.0020.

Technology
ASTRO® 25 - Juniper EX 4100-F and HPE Aruba 2930F switches

Severity Recommendation
High/Safety - Security update not data/voice impacting.

Symptoms
The following CVEs are resolved:
HPE Aruba 2930F: CVE-2023-39266, CVE-2023-39267, CVE-2023-39268.
Juniper EX 4100-F: CVE-2024-39511.

Models / System Releases / Kits / Datecodes Affected

System Release	Name / SW version
A2020.x, A2021.1, A2022.x, AN 2024.X	Juniper EX4100-F switches - OS version 22.4R2-S2.6 or prior
A2020.x, A2021.1, A2022.x, AN 2024.X	HPE Aruba 2930F switches - OS version WC.16.08.0026 or prior

When To Apply
During maintenance _X_
As instructed _X_

Test To Perform
None

Workaround/Recovery
None

Resolution And Repair Procedure
Upgrade to the appropriate version as listed in the "Software/Hardware Parts Required" section below, based on the model.

To obtain software:

1. Initiate a software request case through Motorola Solutions, Inc. Centralized Managed Support Operations (CMSO) - see contact numbers at https://motorolasolutions.com/support (for NA call directly: 800-MSI-HELP (800-674-4357) or 302-444-9800)
2. Await confirmation email from Motorola Solutions Software Factory (MSSF) with instructions
3. Complete the Motorola Solutions Software Factory Software Order Form:
   - Reference MTN-0168-24 in the 'Reason for Software/Hardware Change' section of the software order form.
   - List the part number (KC # as listed under "Software Parts Required" below) in the 'Part # or Version #' section of the software order form.
4. Email completed Software Order Form to MSSF for processing

Order of upgrade:

1. Check the current UNC (Unified Network Configurator) version on the system. If the system is running a version lower than listed in the section Software Parts Required below, upgrade UNC to the minimum version specified below or later. Otherwise, go to the next step.
2. Upgrade Juniper EX 4100-F or HPE Aruba 2930F for all switches/switch stacks in the system.
   Follow the order:
   a. Upgrade OS
   b. Reboot SW

Time To Implement/System Impact

TIME TO IMPLEMENT/SYSTEM IMPACT - Juniper EX upgrade.

Estimated time to implement - 12-18 min. per switch/switch stack.

Medium - time consuming, non redundant devices connected to the device will not be available during upgrade operation

TIME TO IMPLEMENT/SYSTEM IMPACT - HPE Aruba upgrade.

Estimated time to implement - 5-10 min. per switch/switch stack.

Medium - time consuming, non redundant devices connected to the device will not be available during upgrade operation

TIME TO IMPLEMENT/SYSTEM IMPACT - UNC upgrade (if applicable).

Estimated time to implement - per machine - Approximately 1-2 hours for UNC upgrade.

Medium - time-consuming, no loss of critical ASTRO system functionality, UNC will be unavailable during the upgrade.

Software Parts Required

System Release	Name / SW version	Details / Part Number
A2020.x, A2021.1, A2022.x, AN 2024.X	Juniper EX4100-F - OS version JunOS 22.4R3-S2.12 or later	KC147L01M000071722 or later

A2020.x, A2021.1, A2022.x, AN 2024.X	HPE Aruba 2930F - OS version WC.16.11.0020 or later	KC147L01M000071722 or later

Hardware Parts Required

Name	Part Number
N/A	N/A

Additional Information

NOTE 1

Juniper EX4100-F JunOS 22.4R3-S2.12 does not require the installation of additional JSU patch 22.4R2-S2-J1.2.

NOTE 2

Juniper EX4100-F requires a specific minimum UNC and TNCT versions. Before upgrading, confirm that your system runs the minimum UNC version listed in the table below.

System Release	Name / SW version	Details / Part Number
A2020.x, A2021.1, A2022.x, AN 2024.X	TNCT Version: R26.140.00 or later	N/A
A2020.x, A2021.1	UNC-Astro-07.20.10.70-12 or later	KC877L0AT000210108
A2020.x, A2021.1	UNCDS-Astro-07.20.10.70-12 or later	KC877L0AT000210109
A2020.x, A2021.1	UPDATE-UNC-07.20.10.70-12 or later	KC877L0AT000210154
A2022.x, AN2024.X	UNC-Astro-07.22.05.31-16 or later	KC877L0AT000220128
A2022.x, AN2024.X	UNCDS-Astro-07.22.05.31-16 or later	KC877L0AT000220129
A2022.x, AN2024.X	UPDATE-UNC-07.22.05.31-16 or later	KC877L0AT000220164

NOTE 3

HPE Aruba 2930F requires a specific UNC version. Before upgrading, confirm that your system runs the minimum UNC version listed in the table below.

System Release	Name / SW version	Details / Part Number
A2020.x, A2021.1	UNC-Astro-07.20.07.05-10 or later	KC877L0AT000200127
A2020.x, A2021.1	UNC-UPDATE-Astro-07.20.07.05-10 or later	KC877L0AT000200128

A2020.x, A2021.1	UNCDS-Astro-07.20.07.05-10 or later	KC877L0AT000200171
A2022.x	UNC-Astro-07.22.01.12-00 or later	KC877L0AT000220100
A2022.x	UPDATE-UNC-Astro-07.22.01.12-00 or later	KC877L0AT000220101
A2022.x	UNCDS-Astro-07.22.01.12-00 or later	KC877L0AT000220150

Reference The Following Documents/Processes For Installation Procedures

Unified Network Configurator User Guide - chapter Updating OS Images and Software on Devices.
Private Network Management Servers (for appropriate release) - chapter Upgrading Linux-Based Virtual Machines.

Labor Allowance

This is an informational bulletin. No labor warranty is implied, intended, or authorized.

For assistance with this bulletin please contact your MSI Technical Support Centre at https://motorolasolutions.com/support