مجلس الأمن السيبراني
CYBER SECURITY COUNCIL
United Arab Emirates

High-Severity Vulnerability in HPE M-Series Switches with NVIDIA Cumulus
Tracking #:432317674
Date:04-09-2025

TLP: WHITE

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EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed a high-severity vulnerability in HPE M-Series switches running NVIDIA Cumulus software. This vulnerability could be locally exploited to allow privilege escalation, potentially enabling an attacker with limited access to gain administrative control over the affected device.

TECHNICAL DETAILS:

Vulnerability Details
- **CVE-2025-32463**
- **Severity: High** (CVSS 3.1 Base Score: 7.8)
- This vulnerability is due to improper privilege checks when executing certain local commands. A local user with limited privileges can exploit the flaw to escalate their access to administrative privileges, potentially gaining full control of the switch.
- Exploitation of this vulnerability could allow an attacker to gain full access to sensitive configurations and data, modify switch settings, routing tables, or policies, and disrupt network operations or cause device failure.

Affected products and Versions
- HPE SN4600cM 100GbE 64QSFP28 Power to Connector Airflow Switch SN4600cM with NVIDIA Cumulus - NVIDIA Cumulus 5.9.2, and 5.11.1
- HPE SN2100M 100GbE 16QSFP28 Power to Connector Airflow Half Width Switch SN2100M with NVIDIA Cumulus - NVIDIA Cumulus 5.9.2, and 5.11.1
- HPE SN4700M 400GbE 32QSFPDD Power to Connector Airflow Switch SN4700M with NVIDIA Cumulus - NVIDIA Cumulus 5.9.2, and 5.11.1
- HPE SN3700cM 100GbE 32QSFP28 Power to Connector Airflow Switch SN3700cM with NVIDIA Cumulus - NVIDIA Cumulus 5.9.2, and 5.11.1
- HPE SN3700M 200GbE 32QSFP56 Power to Connector Airflow Switch SN3700M with NVIDIA Cumulus - NVIDIA Cumulus 5.9.2, and 5.11.1
- HPE SN3420M 25GbE 48SFP28 12QSFP28 Power to Connector Airflow Switch SN3420M with NVIDIA Cumulus - NVIDIA Cumulus 5.9.2, and 5.11.1
- HPE SN2010M 25GbE 18SFP28 4QSFP28 Power to Connector Airflow Half Width Switch with NVIDIA Cumulus - NVIDIA Cumulus 5.9.2, and 5.11.1

Fixed Versions
- For **5.9.2** → update to **5.9.3 or 5.11.3.**
- For **5.11.1** → update to **5.11.3**

RECOMMENDATIONS:

The UAE Cyber Security Council recommends updating the affected versions to the fixed or latest versions released by HPE.

Kindly circulate this information to your subsidiaries and partners as well as share with us any relevant information and findings.

The UAE Cyber Security Council extends its appreciation for the continued collaboration.

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REFERENCES:

- https://support.hpe.com/hpesc/public/docDisplay?docId=hpesbst04945en_us&docLocale=en_US