مجلس الأمن السيبراني
CYBER SECURITY COUNCIL

United Arab Emirates

Security Updates – NVIDIA

Tracking #:432316084

Date:24-07-2024

EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed that NVIDIA released security updates to address multiple vulnerabilities in their products.

TECHNICAL DETAILS:

Vulnerability Details:

- **CVE-2024-0108** | Base score: 8.7 – High
  - NVIDIA Jetson Linux contains a vulnerability in NvGPU where error handling paths in GPU MMU mapping code fail to clean up a failed mapping attempt.
  - A successful exploit of this vulnerability may lead to denial of service, code execution, and escalation of privileges.

- **CVE-2024-0101** | Base score: 7.5 – High
  - NVIDIA Mellanox OS, ONYX, Skyway, MetroX-2 and MetroX-3 XC contain a vulnerability in ipfilter, where improper ipfilter definitions could enable an attacker to cause a failure by attacking the switch.
  - A successful exploit of this vulnerability might lead to denial of service.

- **CVE-2024-0104** | Base score: 4.2 – Medium
  - NVIDIA Mellanox OS, ONYX, Skyway, MetroX-2 and MetroX-3 XC contain a vulnerability in the LDAP AAA component, where a user can cause improper access.
  - A successful exploit of this vulnerability might lead to information disclosure, data tampering, and escalation of privileges.

Affected Products, Versions and Respective Fixes:

CVE IDs Addressed	Affected Products	Platform or OS	Affected Versions	Updated Version
CVE-2024-0108	NVIDIA Jetson AGX Xavier series, Jetson Xavier NX, Jetson TX2 series, Jetson TX2 NX, Jetson TX1, Jetson Nano series	Jetson Linux	All versions prior to and including 32.7.5	32.7.5
CVE-2024-0101	Mellanox OS	Mellanox OS	All versions prior to and including 3.11.1000	3.11.2002
	ONYX	ONYX LTS	All versions prior to and including 3.10.4300	3.10.4402

CVE IDs Addressed	Affected Products	Platform or OS	Affected Versions	Updated Version
CVE-2024-0101	Skyway	Skyway	All versions prior to and including 8.2.1000	8.2.2000
		Skyway LTS	All versions prior to and including 8.1.4300	8.1.4400
	MetroX-3 XC	MetroX	All versions prior to and including 18.2.1000	18.2.2000
	MetroX-2	MetroX	All versions prior to and including 3.11.1000	3.11.2002
CVE-2024-0104	Mellanox OS	Mellanox OS LTS	All versions prior to and including 3.11.2100	3.11.2202
	ONYX	ONYX LTS	All versions prior to and including 3.10.4302	3.10.4402
	Skyway	Skyway	All versions prior to and including 8.2.2100	8.2.2202
	MetroX-3 XC	MetroX	All versions prior to and including 18.2.2100	18.2.2200
	MetroX-2	MetroX	All versions prior to and including 3.11.1000	3.11.2002

RECOMMENDATIONS:

The UAE Cyber Security Council recommends applying the security updates recently released by NVIDIA.

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.

REFERENCES:

- https://nvidia.custhelp.com/app/answers/detail/a_id/5555
- https://nvidia.custhelp.com/app/answers/detail/a_id/5559