مجلس الأمن السيبراني
CYBER SECURITY COUNCIL
United Arab Emirates

Security Updates – NVIDIA
Tracking #:432317534
Date:25-07-2025

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EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed that NVIDIA has released a security update for its GPU Display Driver to address multiple vulnerabilities. These vulnerabilities could allow attackers to execute code, access data, or cause a denial of service.

TECHNICAL DETAILS:

NVIDIA has addressed multiple vulnerabilities in its GPU Display Driver. These vulnerabilities could allow attackers to execute arbitrary code with elevated permissions, tamper with data, disclose sensitive information, or cause a denial of service (DoS), potentially compromising the integrity and availability of affected systems.

Vulnerability Details (including but not limited to):

CVE ID	Description	Base Score	Severity	Impacts
CVE-2025-23276	NVIDIA Installer for Windows contains a vulnerability where an attacker may be able to escalate privileges.	7.8	High	Code execution, denial of service, escalation of privileges, information disclosure, data tampering
CVE-2025-23277	NVIDIA Display Driver for Linux and Windows contains a vulnerability in the kernel mode driver, where an attacker could access memory outside bounds permitted under normal use cases.	7.3	High	Data tampering, information disclosure, denial of service
CVE-2025-23278	NVIDIA Display Driver for Windows and Linux contains a vulnerability where an attacker might cause an improper index validation by issuing a call with crafted parameters.	7.1	High	Data tampering, denial of service

Affected/Fixed Versions: Refer Security Bulletin: NVIDIA GPU Display Driver - July 2025

RECOMMENDATIONS:

The UAE Cyber Security Council recommends applying the latest updates by referring to the bulletin 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.

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REFERENCES:

- https://nvidia.custhelp.com/app/answers/detail/a_id/5670