



مجلس الأمن السيبراني
CYBER SECURITY COUNCIL



Security Updates- NVIDIA GPU Display Driver

Tracking #:432315941

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EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed NVIDIA has released a software security update for NVIDIA GPU Display Driver to address multiple issues in windows and Linux versions.

TECHNICAL DETAILS:

Vulnerability Details:

CVE ID	Description	Base Score	Severity	Impacts
CVE-2024-0090	NVIDIA GPU driver for Windows and Linux contains a vulnerability where a user can cause an out-of-bounds write. A successful exploit of this vulnerability might lead to code execution, denial of service, escalation of privileges, information disclosure, and data tampering.	7.8	High	Code execution, denial of service, escalation of privileges, information disclosure, data tampering
CVE-2024-0089	NVIDIA GPU Display Driver for Windows contains a vulnerability where the information from a previous client or another process could be disclosed. A successful exploit of this vulnerability might lead to code execution, information disclosure, or data tampering.	7.8	High	Code execution, information disclosure, data tampering
CVE-2024-0091	NVIDIA GPU Display Driver for Windows and Linux contains a vulnerability where a user can cause an untrusted pointer dereference by executing a driver API. A successful exploit of this vulnerability might lead to denial of service, information disclosure, and data tampering.	7.8	High	Denial of service, information disclosure, data tampering

CVE-2024-0093	NVIDIA GPU software for Linux contains a vulnerability where it can expose sensitive information to an actor that is not explicitly authorized to have access to that information. A successful exploit of this vulnerability might lead to information disclosure.	6.5	Medium	Information disclosure
CVE-2024-0092	NVIDIA GPU Driver for Windows and Linux contains a vulnerability where an improper check or improper handling of exception conditions might lead to denial of service.	5.5	Medium	Denial of service

Affected and Fixed versions-Windows

Software Product	Operating System	Driver Branch	Affected Driver Versions	Updated Driver Version
GeForce	Windows	R555	All driver versions prior to 555.99	555.99
	Windows 10 and 11	R470	All driver versions prior 475.06 to for support of GeForce Kepler desktop	475.06
	Windows 7 and 8.x	R470	All driver versions prior to 475.06	475.06
Studio	Windows	R555	All driver versions prior to 555.99	555.99
NVIDIA RTX, Quadro, NVS	Windows	R555	All driver versions prior to 555.99	555.99
		R550	All driver versions prior to 552.55	552.55
		R535	All driver versions prior to 538.67	538.67
		R470	All driver versions prior to 475.06	475.06
Tesla	Windows	R550	All driver versions prior to 552.55	552.55
		R535	All driver versions prior to 538.67	538.67
		R470	All driver versions prior to 475.06	475.06

Affected and Fixed versions-Linux

Software Product	Operating System	Driver Branch	Affected Driver Versions	Updated Driver Version
GeForce	Linux	R555	All driver versions prior to 555.52.04	555.52.04
		R550	All driver versions prior to 550.90.07	550.90.07
		R535	All driver versions prior to 535.183.01	535.183.01
		R470	All driver versions prior to 470.256.02	470.256.02
NVIDIA RTX, Quadro, NVS	Linux	R555	All driver versions prior to 555.52.04	555.52.04
		R550	All driver versions prior to 550.90.07	550.90.07
		R535	All driver versions prior to 535.183.01	535.183.01
		R470	All driver versions prior to 470.256.02	470.256.02
Tesla	Linux	R550	All driver versions prior to 550.90.07	550.90.07
		R535	All driver versions prior to 535.183.01	535.183.01
		R470	All driver versions prior to 470.256.02	470.256.02

RECOMMENDATIONS:

The UAE Cyber Security Council recommends updating the affected versions to the fixed or latest versions 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/5551