

مجلس الأمن السيبراني  
CYBER SECURITY COUNCIL



**Security Updates - NVIDIA**

Tracking #:432316766

Date:21-01-2025

## EXECUTIVE SUMMARY:

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

## TECHNICAL DETAILS:

### High-Severity Vulnerabilities:

- CVE-2024-0150 (High Severity, 7.1 CVSS Score):
  - Buffer overflow vulnerability that can lead to information disclosure, denial of service, or data tampering.
- CVE-2024-0146 (High Severity, 7.8 CVSS Score):
  - Memory corruption vulnerability in the Virtual GPU Manager, leading to code execution, denial of service, information disclosure, or data tampering.

### Affected Products and Mitigations:

#### NVIDIA GPU Display Driver:

Software Product	Operating System	Driver Branch	Affected Versions	Fixed Version
NVIDIA RTX, Quadro, NVS	Windows	R550	All driver versions prior to 553.62	553.62
		R535	All driver versions prior to 539.19	539.19
Tesla	Windows	R550	All driver versions prior to 553.62	553.62
		R535	All driver versions prior to 539.19	539.19
GeForce	Linux	R550	All driver versions prior to 550.144.03	550.144.03
		R535	All driver versions prior to 535.230.02	535.230.02
NVIDIA RTX, Quadro, NVS	Linux	R550	All driver versions prior to 550.144.03	550.144.03
		R535	All driver versions prior to 535.230.02	535.230.02
Tesla	Linux	R550	All driver versions prior to 550.144.03	550.144.03
		R535	All driver versions prior to 535.230.02	535.230.02

#### NVIDIA vGPU Software:

vGPU Software Component	Operating System	Affected Versions		Fixed Version	
		vGPU Software	Driver	vGPU Software	Driver
Guest driver	Windows	All versions up to and including 17.4	553.24	17.5	553.62
		All versions up to and including 16.8	538.95	16.9	539.19

Guest driver	Linux	All versions up to and including 17.4	550.127.05	17.5	550.144.03
		All versions up to and including 16.8	535.216.01	16.9	535.230.02
Virtual GPU Manager	Citrix Hypervisor, VMware vSphere, Red Hat Enterprise Linux KVM, Ubuntu	All versions up to and including 17.4	550.127.06	17.5	550.144.02
		All versions up to and including 16.8	535.216.01	16.9	535.230.02
Virtual GPU Manager	Azure Local	All versions up to and including 17.4	553.2	17.5	553.56

## RECOMMENDATIONS:

The UAE Cyber Security Council recommends applying the mitigation or workaround provided 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/5614](https://nvidia.custhelp.com/app/answers/detail/a_id/5614)