CVE-2021-1098

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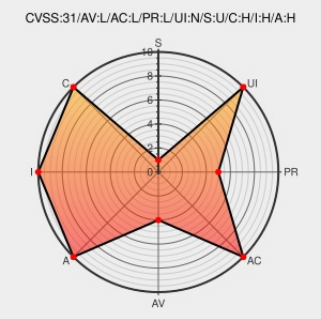

Certain versions of Virtual Gpu from Nvidia contain the following vulnerability:

NVIDIA vGPU software contains a vulnerability in the Virtual GPU Manager (vGPU plugin), where it doesn't release some resources during driver unload requests from guests. This flaw allows a malicious guest to perform operations by reusing those resources, which may lead to information disclosure, data tampering, or denial of service. This affects vGPU version 12.x (prior to 12.3), version 11.x (prior to 11.5) and version 8.x (prior 8.8).

CVE-2021-1098 has been assigned by psirt@nvidia.com to track the vulnerability - currently rated as HIGH severity.

Affected Vendor/Software: **NVIDIA** - **NVIDIA Virtual GPU Software** version **vGPU version 12.x (prior to 12.3), version 11.x (prior to 11.5) and version 8.x (prior 8.8).**

CVSS3 Score: 7.8 - HIGH

Attack Vector	Attack Complexity	Privileges Required	User Interaction
LOCAL	LOW	LOW	NONE
Scope	**Confidentiality Impact**	**Integrity Impact**	**Availability Impact**
UNCHANGED	HIGH	HIGH	HIGH

CVSS2 Score: 4.6 - MEDIUM

Access Vector	Access Complexity	Authentication
LOCAL	LOW	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
PARTIAL	PARTIAL	PARTIAL

CVE References

Description	Tags	Link
Security Bulletin: NVIDIA GPU Display Drivers - July 2021 | NVIDIA	nvidia.custhelp.com text/html	CONFIRM nvidia.custhelp.com/app/answers/detail/a_id/5211

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Nvidia	Virtual Gpu	All	All	All	All

cpe:2.3:a:nvidia:virtual_gpu:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2021-1098 : NVIDIA vGPU software contains a vulnerability in the Virtual GPU Manager vGPU plugin , where it do… twitter.com/i/web/status/1…	2021-07-21 03:00:10
@SecRiskRptSME	RT: CVE-2021-1098 NVIDIA vGPU software contains a vulnerability in the Virtual GPU Manager (vGPU plugin), where it… twitter.com/i/web/status/1…	2021-07-21 07:21:25
@threatmeter	CVE-2021-1098 NVIDIA vGPU software contains a vulnerability in the Virtual GPU Manager (vGPU plugin), where it does… twitter.com/i/web/status/1…	2021-07-22 07:09:37
/r/netcve	CVE-2021-1098	2021-07-21 03:38:44

← Previous ID

Next ID→