



CVE-2020-5988

Published on: 10/02/2020 12:00:00 AM UTC

Last Modified on: 07/21/2021 11:39:00 AM UTC

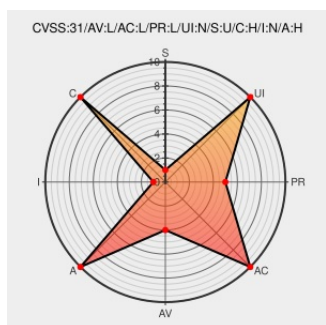
CVE-2020-5988

Source: Mitre

Source: NIST

CVE.ORG

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Certain versions of [Virtual Gpu Manager](#) from [Nvidia](#) contain the following vulnerability:

NVIDIA Virtual GPU Manager contains a vulnerability in the vGPU plugin, in which allocated memory can be freed twice, which may lead to information disclosure or denial of service. This affects vGPU version 8.x (prior to 8.5), version 10.x (prior to 10.4) and version 11.0.

CVE-2020-5988 has been assigned by psirt@nvidia.com to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: **NVIDIA - NVIDIA vGPU Software** version **vGPU version 8.x (prior to 8.5), version 10.x (prior to 10.4) and version 11.0.**

CVSS3 Score: **7.1 - HIGH**

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

CVSS2 Score: **3.6 - LOW**

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

CVE References

Description	Tags	Link
Security Bulletin: NVIDIA GPU Display Driver - September 2020 NVIDIA	Vendor Advisory nvidia.custhelp.com	CONFIRM nvidia.custhelp.com/app/answers/detail/a_id/5075

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Related QID Numbers

375756 Lenovo NVIDIA GPU Display Driver Multiple Vulnerabilities (LEN-47663)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Nvidia	Virtual Gpu Manager	All	All	All	All
Application	Nvidia	Virtual Gpu Manager	11.0	All	All	All
Application	Nvidia	Virtual Gpu Manager	All	All	All	All
Application	Nvidia	Virtual Gpu Manager	11.0	All	All	All

cpe:2.3:a:nvidia:virtual_gpu_manager:*****:.*

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cpe:2.3:a:nvidia:virtual_gpu_manager:*****:.*

cpe:2.3:a:nvidia:virtual_gpu_manager:11.0:*****:.*

No vendor comments have been submitted for this CVE

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