



CVE-2020-5981

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

Last Modified on: 03/23/2021 11:24:03 PM UTC

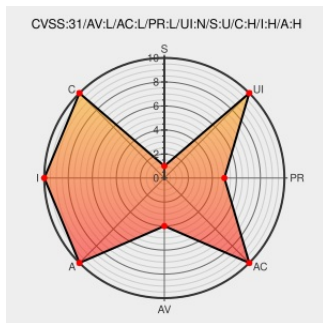
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[Source: Mitre](#)

[Source: NIST](#)

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

NVIDIA Windows GPU Display Driver, all versions, contains a vulnerability in the DirectX11 user mode driver (nvwgf2um/x.dll), in which a specially crafted shader can cause an out of bounds access, which may lead to denial of service or code execution.

CVE-2020-5981 has been assigned by psirt@nvidia.com to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: **NVIDIA - NVIDIA GPU Display Driver** version **All**

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 Driver - September 2020 NVIDIA	Vendor Advisory nvidia.custhelp.com text/html	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	All	All	All	All
cpe:2.3:a:nvidia:virtual_gpu_manager:*****:.*:						
cpe:2.3:a:nvidia:virtual_gpu_manager:*****:.*:						

No vendor comments have been submitted for this CVE

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