



CVE-2016-8814

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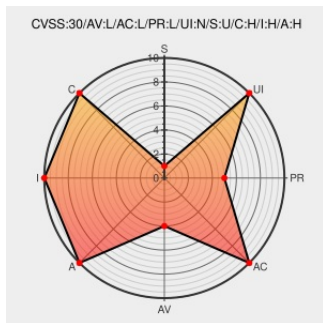
CVE-2016-8814

[Source: Mitre](#)

[Source: NIST](#)

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Certain versions of [Windows](#) from [Microsoft](#) contain the following vulnerability:

All versions of NVIDIA Windows GPU Display Driver contain a vulnerability in the kernel mode layer (nvlddmkm.sys) handler for DxgDdiEscape where multiple pointers are used without checking for NULL, leading to denial of service or potential escalation of privileges.

CVE-2016-8814 has been assigned by psirt@nvidia.com to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: **Nvidia Corporation - Quadro, NVS, GeForce, GRID and Tesla** 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: **7.2 - HIGH**

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

CVE References

Description	Tags	Link
NVIDIA GPU Driver CVE-2016-8814 Local Privilege Escalation Vulnerability	cve.report (archive) text/html	BID 95054

Security Bulletin: NVIDIA Windows GPU Display Driver contains multiple vulnerabilities in the kernel mode layer (nvlddmkm.sys) handler for DxgkDdiEscape | NVIDIA

Patch

Vendor Advisory

nvidia.custhelp.com

text/html

CONFIRM

nvidia.custhelp.com/app/answers/detail/a_id/4257

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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
Operating System	Microsoft	Windows	-	All	All	All
Operating System	Microsoft	Windows	-	All	All	All
Application	Nvidia	Gpu Driver	-	All	All	All
Application	Nvidia	Gpu Driver	-	All	All	All
cpe:2.3:o:microsoft:windows:-:*:*:*:*:*:						
cpe:2.3:o:microsoft:windows:-:*:*:*:*:*:						
cpe:2.3:a:nvidia:gpu_driver:-:*:*:*:*:*:						
cpe:2.3:a:nvidia:gpu_driver:-:*:*:*:*:*:						

No vendor comments have been submitted for this CVE

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