CVE-2019-5688

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CVE-2019-5688

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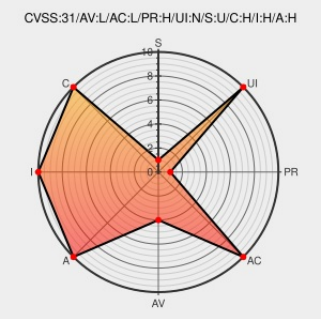

Certain versions of Windows from Microsoft contain the following vulnerability:

NVIDIA NVFlash, NVUFlash Tool prior to v5.588.0 and GPUModeSwitch Tool prior to 2019-11, NVIDIA kernel mode driver (nvflash.sys, nvflsh32.sys, and nvflsh64.sys) contains a vulnerability in which authenticated users with administrative privileges can gain access to device memory and registers of other devices not managed by NVIDIA, which may lead to escalation of privileges, information disclosure, or denial of service.

CVE-2019-5688 has been assigned by psirt@nvidia.com to track the vulnerability - currently rated as MEDIUM severity.

Affected Vendor/Software: **NVIDIA** - **NVIDIA NVFlash, NVUFlash, GPUModeSwitch Tool** version **NVFlash**

Affected Vendor/Software: **NVIDIA** - **NVIDIA NVFlash, NVUFlash, GPUModeSwitch Tool** version **NVUFlash prior to v5.588.0**

Affected Vendor/Software: **NVIDIA** - **NVIDIA NVFlash, NVUFlash, GPUModeSwitch Tool** version **GPUModeSwitch prior to 2019-11**

CVSS3 Score: 6.7 - MEDIUM

Attack Vector	Attack Complexity	Privileges Required	User Interaction
LOCAL	LOW	HIGH	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
Security Bulletin: NVIDIA NVFlash, GPUModeSwitch Tool - November 2019 | NVIDIA	Vendor Advisory nvidia.custhelp.com text/html	MISC nvidia.custhelp.com/app/answers/detail/a_id/4928

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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	Gpumodeswitch	All	All	All	All
Application	Nvidia	Gpumodeswitch	All	All	All	All
Application	Nvidia	Nvflash	All	All	All	All
Application	Nvidia	Nvflash	All	All	All	All
Application	Nvidia	Nvuflash	All	All	All	All
Application	Nvidia	Nvuflash	All	All	All	All

cpe:2.3:o:microsoft:windows:-:*:*:*:*:*:*:*:

cpe:2.3:o:microsoft:windows:-:*:*:*:*:*:*:*:

cpe:2.3:a:nvidia:gpumodeswitch:*:*:*:*:*:*:*:*:

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cpe:2.3:a:nvidia:nvuflash:*:*:*:*:*:*:*:*:

cpe:2.3:a:nvidia:nvuflash:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

← Previous ID Next ID→

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