



# CVE-2018-6249

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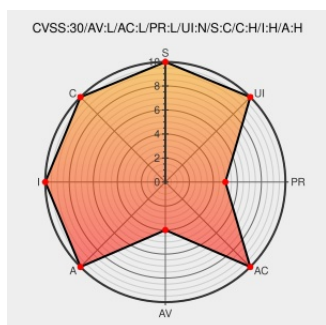
## CVE-2018-6249

[Source: Mitre](#)

[Source: NIST](#)

[CVE.ORG](#)

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

NVIDIA GPU Display Driver contains a vulnerability in kernel mode layer handler where a NULL pointer dereference may lead to denial of service or potential escalation of privileges.

CVE-2018-6249 has been assigned by psirt@nvidia.com to track the vulnerability - currently rated as **HIGH** severity.

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

CVSS3 Score: **8.8 - HIGH**

| Attack Vector  | Attack Complexity      | Privileges Required | User Interaction    |
|----------------|------------------------|---------------------|---------------------|
| <b>LOCAL</b>   | <b>LOW</b>             | <b>LOW</b>          | <b>NONE</b>         |
| Scope          | Confidentiality Impact | Integrity Impact    | Availability Impact |
| <b>CHANGED</b> | <b>HIGH</b>            | <b>HIGH</b>         | <b>HIGH</b>         |

CVSS2 Score: **7.2 - HIGH**

| Access Vector          | Access Complexity | Authentication      |
|------------------------|-------------------|---------------------|
| <b>LOCAL</b>           | <b>LOW</b>        | <b>NONE</b>         |
| Confidentiality Impact | Integrity Impact  | Availability Impact |
| <b>COMPLETE</b>        | <b>COMPLETE</b>   | <b>COMPLETE</b>     |

## CVE References

| Description                                                                                         | Tags                                                                                                | Link                                                                               |
|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Security Bulletin: NVIDIA GPU Display Driver Security Updates for Multiple Vulnerabilities   NVIDIA | <a href="#">Vendor Advisory</a><br><a href="#">nvidia.custhelp.com</a><br><a href="#">text/html</a> | <b>CONFIRM</b><br><a href="#">nvidia.custhelp.com/app/answers/detail/a_id/4649</a> |

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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 | <a href="#">Freebsd</a>   | <a href="#">Freebsd</a>      | -       | All    | All     | All      |
| Operating System | <a href="#">Freebsd</a>   | <a href="#">Freebsd</a>      | -       | All    | All     | All      |
| Operating System | <a href="#">Linux</a>     | <a href="#">Linux Kernel</a> | -       | All    | All     | All      |
| Operating System | <a href="#">Linux</a>     | <a href="#">Linux Kernel</a> | -       | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows</a>      | -       | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows</a>      | -       | All    | All     | All      |
| Application      | <a href="#">Nvidia</a>    | <a href="#">Gpu Driver</a>   | -       | All    | All     | All      |
| Application      | <a href="#">Nvidia</a>    | <a href="#">Gpu Driver</a>   | -       | All    | All     | All      |
| Operating System | <a href="#">Oracle</a>    | <a href="#">Solaris</a>      | -       | All    | All     | All      |
| Operating System | <a href="#">Oracle</a>    | <a href="#">Solaris</a>      | -       | All    | All     | All      |

cpe:2.3:o:freebsd:freebsd:-:\*:\*:\*:\*:\*:

cpe:2.3:o:freebsd:freebsd:-:\*:\*:\*:\*:\*:

cpe:2.3:o:linux:linux\_kernel:-:\*:\*:\*:\*:\*:

cpe:2.3:o:linux:linux\_kernel:-:\*:\*:\*:\*:\*:

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:-:\*:\*:\*:\*:\*:

cpe:2.3:o:oracle:solaris:-:\*:\*:\*:\*:\*:

cpe:2.3:o:oracle:solaris:-:\*\*\*\*\*:

No vendor comments have been submitted for this CVE

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