



# CVE-2018-8165

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF](#)

## Summary

|                        |   |
|------------------------|---|
| <b>CVE</b>             | CVE-2018-8165   |
| <b>State</b>           | PUBLIC  |
| <b>Assigner</b>        | secure@microsoft.com  |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback  |
| <b>Published</b>       | 2018-05-09 19:29:00 UTC   |
| <b>Updated</b>         | 2019-10-03 00:03:00 UTC   |
| <b>Description</b>     | An elevation of privilege vulnerability exists when the DirectX Graphics Kernel (DXGKRNL) driver improperly handles objec |

## Risk And Classification

**Problem Types:** CWE-404

## NVD Known Affected Configurations (CPE 2.3)

| Type             | Vendor    | Product             | Version | Update | Edition | Language |
|------------------|-----------|---------------------|---------|--------|---------|----------|
| Operating System | Microsoft | Windows 10          | -       | All    | All     | All      |
| Operating System | Microsoft | Windows 10          | 1607    | All    | All     | All      |
| Operating System | Microsoft | Windows 10          | 1703    | All    | All     | All      |
| Operating System | Microsoft | Windows 10          | 1709    | All    | All     | All      |
| Operating System | Microsoft | Windows 10          | 1803    | All    | All     | All      |
| Operating System | Microsoft | Windows 10          | -       | All    | All     | All      |
| Operating System | Microsoft | Windows 10          | 1607    | All    | All     | All      |
| Operating System | Microsoft | Windows 10          | 1703    | All    | All     | All      |
| Operating System | Microsoft | Windows 10          | 1709    | All    | All     | All      |
| Operating System | Microsoft | Windows 10          | 1803    | All    | All     | All      |
| Operating System | Microsoft | Windows Server 2016 | -       | All    | All     | All      |
| Operating System | Microsoft | Windows Server 2016 | 1709    | All    | All     | All      |
| Operating System | Microsoft | Windows Server 2016 | 1803    | All    | All     | All      |
| Operating System | Microsoft | Windows Server 2016 | -       | All    | All     | All      |
| Operating System | Microsoft | Windows Server 2016 | 1709    | All    | All     | All      |
| Operating System | Microsoft | Windows Server 2016 | 1803    | All    | All     | All      |

## References

| Reference   | Source  | Link  |
|---|---------|---|
| <a href="https://portal.msrc.microsoft.com/en-US/security-guidance/advisory/CVE-2018-8165">portal.msrc.microsoft.com/en-US/security-guidance/advisory/CVE-2018-8165</a> | CONFIRM | <a href="https://portal.msrc.microsoft.com">portal.msrc.microsoft.com</a> |
| Microsoft Windows DirectX Graphics Kernel CVE-2018-8165 Local Privilege Escalation Vulnerability  | BID     | <a href="https://www.securityfocus.com">www.securityfocus.com</a>         |
| CVE Program record  | CVE.ORG | <a href="https://www.cve.org">www.cve.org</a>                             |
| NVD vulnerability detail  | NVD     | <a href="https://nvd.nist.gov">nvd.nist.gov</a>                           |

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.

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