

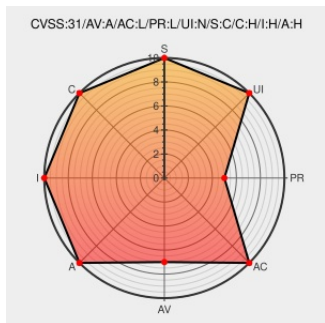


# CVE-2020-1042

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## CVE-2020-1042

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#) 

Certain versions of [Windows Server 2008](#) from [Microsoft](#) contain the following vulnerability:

A remote code execution vulnerability exists when Hyper-V RemoteFX vGPU on a host server fails to properly validate input from an authenticated user on a guest operating system, aka 'Hyper-V RemoteFX vGPU Remote Code Execution Vulnerability'. This CVE ID is unique from CVE-2020-1032, CVE-2020-1036, CVE-2020-1040, CVE-2020-1041, CVE-2020-1043.

CVE-2020-1042 has been assigned by [secure@microsoft.com](#) to track the vulnerability - currently rated as **CRITICAL** severity.

CVSS3 Score: **9 - CRITICAL**

| Attack Vector           | Attack Complexity      | Privileges Required | User Interaction    |
|-------------------------|------------------------|---------------------|---------------------|
| <b>ADJACENT_NETWORK</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: **7.7 - HIGH**

| Access Vector           | Access Complexity | Authentication      |
|-------------------------|-------------------|---------------------|
| <b>ADJACENT_NETWORK</b> | <b>LOW</b>        | <b>SINGLE</b>       |
| Confidentiality Impact  | Integrity Impact  | Availability Impact |
| <b>COMPLETE</b>         | <b>COMPLETE</b>   | <b>COMPLETE</b>     |

## CVE References

| Description                                                                 | Tags                                                                        | Link                                                                                        |
|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Security Notice: NVIDIA Response to Cisco Talos Report - July 2020   NVIDIA | <a href="#">Third Party Advisory</a><br><a href="#">nvidia.custhelp.com</a> | <a href="#">CONFIRM</a><br><a href="#">nvidia.custhelp.com/app/answers/detail/a_id/5044</a> |

[text/html](#)

No Description Provided

[Patch](#)[Vendor Advisory](#)[portal.msrc.microsoft.com](#)[text/html](#)[MISC portal.msrc.microsoft.com/en-US/security-guidance/advisory/CVE-2020-1042](#)

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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="#">Microsoft</a> | <a href="#">Windows Server 2008</a> | r2      | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows Server 2008</a> | r2      | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows Server 2012</a> | -       | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows Server 2012</a> | r2      | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows Server 2012</a> | -       | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows Server 2012</a> | r2      | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows Server 2016</a> | -       | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows Server 2016</a> | -       | All    | All     | All      |

[cpe:2.3:o:microsoft:windows\\_server\\_2008:r2:~::~~::x64:~::](#)[cpe:2.3:o:microsoft:windows\\_server\\_2008:r2:~::~~::x64:~::](#)[cpe:2.3:o:microsoft:windows\\_server\\_2012:-::~~::~~::](#)[cpe:2.3:o:microsoft:windows\\_server\\_2012:r2:~::~~::~~::](#)[cpe:2.3:o:microsoft:windows\\_server\\_2012:-::~~::~~::](#)[cpe:2.3:o:microsoft:windows\\_server\\_2012:r2:~::~~::~~::](#)[cpe:2.3:o:microsoft:windows\\_server\\_2016:-::~~::~~::](#)[cpe:2.3:o:microsoft:windows\\_server\\_2016:-::~~::~~::](#)

No vendor comments have been submitted for this CVE

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