



# CVE-2020-1291

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## CVE-2020-1291

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

Certain versions of [Windows 10](#) from [Microsoft](#) contain the following vulnerability:

An elevation of privilege vulnerability exists in the way that the Windows Network Connections Service handles objects in memory, aka 'Windows Network Connections Service Elevation of Privilege Vulnerability'.

CVE-2020-1291 has been assigned by [secure@microsoft.com](mailto:secure@microsoft.com) to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **7.8 - HIGH**

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

CVSS2 Score: **6.8 - MEDIUM**

| Access Vector          | Access Complexity | Authentication      |
|------------------------|-------------------|---------------------|
| <b>NETWORK</b>         | <b>MEDIUM</b>     | <b>NONE</b>         |
| Confidentiality Impact | Integrity Impact  | Availability Impact |
| <b>PARTIAL</b>         | <b>PARTIAL</b>    | <b>PARTIAL</b>      |

## CVE References

| Description                    | Tags                                                                                                                               | Link                                                                                                                                                                    |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>No Description Provided</b> | <a href="#">Patch</a><br><a href="#">Vendor Advisory</a><br><a href="#">portal.msrc.microsoft.com</a><br><a href="#">text/html</a> | <a href="https://portal.msrc.microsoft.com/en-US/security-guidance/advisory/CVE-2020-1291">portal.msrc.microsoft.com/en-US/security-guidance/advisory/CVE-2020-1291</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="#">Microsoft</a> | <a href="#">Windows 10</a> | -       | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 10</a> | 1607    | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 10</a> | 1709    | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 10</a> | 1803    | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 10</a> | 1809    | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 10</a> | 1903    | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 10</a> | 1909    | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 10</a> | 2004    | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 10</a> | -       | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 10</a> | 1607    | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 10</a> | 1709    | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 10</a> | 1803    | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 10</a> | 1809    | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 10</a> | 1903    | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 10</a> | 1909    | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 10</a> | 2004    | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 7</a>  | -       | sp1    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 7</a>  | -       | sp1    | All     | All      |

|                  |           |                     |      |     |     |     |
|------------------|-----------|---------------------|------|-----|-----|-----|
| Operating System | Microsoft | Windows 8.1         | -    | All | All | All |
| Operating System | Microsoft | Windows 8.1         | -    | All | All | All |
| Operating System | Microsoft | Windows Rt 8.1      | -    | All | All | All |
| Operating System | Microsoft | Windows Rt 8.1      | -    | All | All | All |
| Operating System | Microsoft | Windows Server 2008 | -    | sp2 | All | All |
| Operating System | Microsoft | Windows Server 2008 | r2   | sp1 | All | All |
| Operating System | Microsoft | Windows Server 2008 | r2   | sp1 | All | All |
| Operating System | Microsoft | Windows Server 2008 | -    | sp2 | All | All |
| Operating System | Microsoft | Windows Server 2008 | r2   | sp1 | All | All |
| Operating System | Microsoft | Windows Server 2008 | r2   | sp1 | All | All |
| Operating System | Microsoft | Windows Server 2012 | -    | All | All | All |
| Operating System | Microsoft | Windows Server 2012 | r2   | All | All | All |
| Operating System | Microsoft | Windows Server 2012 | -    | All | All | All |
| Operating System | Microsoft | Windows Server 2012 | r2   | All | All | All |
| Operating System | Microsoft | Windows Server 2016 | -    | All | All | All |
| Operating System | Microsoft | Windows Server 2016 | 1803 | All | All | All |
| Operating System | Microsoft | Windows Server 2016 | 1903 | All | All | All |
| Operating System | Microsoft | Windows Server 2016 | 1909 | All | All | All |
| Operating System | Microsoft | Windows Server 2016 | 2004 | All | All | All |
| Operating System | Microsoft | Windows Server 2016 | -    | All | All | All |
| Operating System | Microsoft | Windows Server 2016 | 1803 | All | All | All |
| Operating System | Microsoft | Windows Server 2016 | 1903 | All | All | All |
| Operating System | Microsoft | Windows Server 2016 | 1909 | All | All | All |

|                                                                   |           |                     |      |     |     |     |
|-------------------------------------------------------------------|-----------|---------------------|------|-----|-----|-----|
| Operating System                                                  | Microsoft | Windows Server 2016 | 2004 | All | All | All |
| Operating System                                                  | Microsoft | Windows Server 2019 | -    | All | All | All |
| Operating System                                                  | Microsoft | Windows Server 2019 | -    | All | All | All |
| cpe:2.3:o:microsoft:windows_10:-:*:*:*:*:*:                       |           |                     |      |     |     |     |
| cpe:2.3:o:microsoft:windows_10:1607:*:*:*:*:*:                    |           |                     |      |     |     |     |
| cpe:2.3:o:microsoft:windows_10:1709:*:*:*:*:*:                    |           |                     |      |     |     |     |
| cpe:2.3:o:microsoft:windows_10:1803:*:*:*:*:*:                    |           |                     |      |     |     |     |
| cpe:2.3:o:microsoft:windows_10:1809:*:*:*:*:*:                    |           |                     |      |     |     |     |
| cpe:2.3:o:microsoft:windows_10:1903:*:*:*:*:*:                    |           |                     |      |     |     |     |
| cpe:2.3:o:microsoft:windows_10:1909:*:*:*:*:*:                    |           |                     |      |     |     |     |
| cpe:2.3:o:microsoft:windows_10:2004:*:*:*:*:*:                    |           |                     |      |     |     |     |
| cpe:2.3:o:microsoft:windows_10:-:*:*:*:*:*:                       |           |                     |      |     |     |     |
| cpe:2.3:o:microsoft:windows_10:1607:*:*:*:*:*:                    |           |                     |      |     |     |     |
| cpe:2.3:o:microsoft:windows_10:1709:*:*:*:*:*:                    |           |                     |      |     |     |     |
| cpe:2.3:o:microsoft:windows_10:1803:*:*:*:*:*:                    |           |                     |      |     |     |     |
| cpe:2.3:o:microsoft:windows_10:1809:*:*:*:*:*:                    |           |                     |      |     |     |     |
| cpe:2.3:o:microsoft:windows_10:1903:*:*:*:*:*:                    |           |                     |      |     |     |     |
| cpe:2.3:o:microsoft:windows_10:1909:*:*:*:*:*:                    |           |                     |      |     |     |     |
| cpe:2.3:o:microsoft:windows_10:2004:*:*:*:*:*:                    |           |                     |      |     |     |     |
| cpe:2.3:o:microsoft:windows_7:-:sp1:*:*:*:*:*:                    |           |                     |      |     |     |     |
| cpe:2.3:o:microsoft:windows_7:-:sp1:*:*:*:*:*:                    |           |                     |      |     |     |     |
| cpe:2.3:o:microsoft:windows_8.1:-:*:*:*:*:*:                      |           |                     |      |     |     |     |
| cpe:2.3:o:microsoft:windows_8.1:-:*:*:*:*:*:                      |           |                     |      |     |     |     |
| cpe:2.3:o:microsoft:windows_rt_8.1:-:*:*:*:*:*:                   |           |                     |      |     |     |     |
| cpe:2.3:o:microsoft:windows_rt_8.1:-:*:*:*:*:*:                   |           |                     |      |     |     |     |
| cpe:2.3:o:microsoft:windows_server_2008:-:sp2:*:*:*:*:*:          |           |                     |      |     |     |     |
| cpe:2.3:o:microsoft:windows_server_2008:r2:sp1:*:*:*:*:itanium:*: |           |                     |      |     |     |     |
| cpe:2.3:o:microsoft:windows_server_2008:r2:sp1:*:*:*:*:64:*:      |           |                     |      |     |     |     |

|                                                                                   |
|-----------------------------------------------------------------------------------|
| cpe:2.3:o:microsoft:windows_server_2008:-:sp2:~::~~::~~::~~::~~::~~::             |
| cpe:2.3:o:microsoft:windows_server_2008:r2:sp1:~::~~::~~::~~::~~::~~::itanium:~:: |
| cpe:2.3:o:microsoft:windows_server_2008:r2:sp1:~::~~::~~::~~::~~::~~::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_2016:1803:~::~~::~~::~~::~~::~~::              |
| cpe:2.3:o:microsoft:windows_server_2016:1903:~::~~::~~::~~::~~::~~::              |
| cpe:2.3:o:microsoft:windows_server_2016:1909:~::~~::~~::~~::~~::~~::              |
| cpe:2.3:o:microsoft:windows_server_2016:2004:~::~~::~~::~~::~~::~~::              |
| cpe:2.3:o:microsoft:windows_server_2016:-:~::~~::~~::~~::~~::~~::                 |
| cpe:2.3:o:microsoft:windows_server_2016:1803:~::~~::~~::~~::~~::~~::              |
| cpe:2.3:o:microsoft:windows_server_2016:1903:~::~~::~~::~~::~~::~~::              |
| cpe:2.3:o:microsoft:windows_server_2016:1909:~::~~::~~::~~::~~::~~::              |
| cpe:2.3:o:microsoft:windows_server_2016:2004:~::~~::~~::~~::~~::~~::              |
| cpe:2.3:o:microsoft:windows_server_2019:-:~::~~::~~::~~::~~::~~::                 |
| cpe:2.3:o:microsoft:windows_server_2019:-:~::~~::~~::~~::~~::~~::                 |

No vendor comments have been submitted for this CVE

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