



# CVE-2020-1276

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## CVE-2020-1276

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 when the Windows kernel fails to properly handle objects in memory, aka 'Windows Kernel Elevation of Privilege Vulnerability'. This CVE ID is unique from CVE-2020-0986, CVE-2020-1237, CVE-2020-1246, CVE-2020-1262, CVE-2020-1264, CVE-2020-1266, CVE-2020-1269, CVE-2020-1273, CVE-2020-1274, CVE-2020-1275, CVE-2020-1307, CVE-2020-1316.

CVE-2020-1276 has been assigned by [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>LOW</b>          | <b>NONE</b>         |
| Scope            | Confidentiality Impact | Integrity Impact    | Availability Impact |
| <b>UNCHANGED</b> | <b>HIGH</b>            | <b>HIGH</b>         | <b>HIGH</b>         |

CVSS2 Score: **4.6 - MEDIUM**

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

## CVE References

| Description                                                              | Tags                                                           | Link                                                                                                    |
|--------------------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Cisco Data Center Network Manager Certificate Validation Vulnerabilities | <b>Third Party Advisory</b><br><a href="#">tools.cisco.com</a> | <a href="#">CISCO 20210120 Cisco Data Center Network Manager Certificate Validation Vulnerabilities</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-2020-1276](#)

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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>          | 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>          | 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 Server 2016</a> | 1803    | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows Server 2016</a> | 1903    | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows Server 2016</a> | 1909    | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows Server 2016</a> | 2004    | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows Server 2016</a> | 1803    | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows Server 2016</a> | 1903    | All    | All     | All      |

| System                                                 |           |                     |      |     |     |     |
|--------------------------------------------------------|-----------|---------------------|------|-----|-----|-----|
| 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_10:1803:*****:.*:          |           |                     |      |     |     |     |
| 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_10:1803:*****:.*:          |           |                     |      |     |     |     |
| 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_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_2016:1803:*****:.*: |           |                     |      |     |     |     |
| 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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