



# CVE-2020-1438

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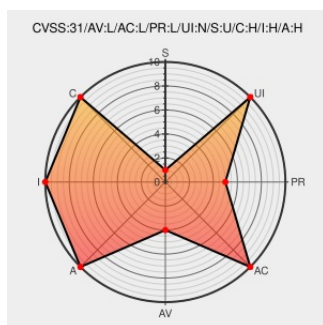
## CVE-2020-1438

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'. This CVE ID is unique from CVE-2020-1373, CVE-2020-1390, CVE-2020-1427, CVE-2020-1428.

CVE-2020-1438 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    |
|---------------|------------------------|---------------------|---------------------|
| LOCAL         | LOW                    | LOW                 | NONE                |
| Scope         | Confidentiality Impact | Integrity Impact    | Availability Impact |
| UNCHANGED     | HIGH                   | HIGH                | HIGH                |

CVSS2 Score: **4.6 - MEDIUM**

| Access Vector          | Access Complexity | Authentication      |
|------------------------|-------------------|---------------------|
| LOCAL                  | LOW               | NONE                |
| Confidentiality Impact | Integrity Impact  | Availability Impact |
| PARTIAL                | PARTIAL           | PARTIAL             |

## CVE References

| Description             | Tags                                                                                                  | Link                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| No Description Provided | <a href="#">Patch</a><br><a href="#">Vendor Advisory</a><br><a href="#">portal.msrc.microsoft.com</a> | <a href="#">portal.msrc.microsoft.com/en-US/security-guidance/advisory/CVE-2020-1438</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      |

|                  |           |                     |      |     |     |     |
|------------------|-----------|---------------------|------|-----|-----|-----|
| System           |           |                     |      |     |     |     |
| 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 | 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 | 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        | Microsoft | Windows Server 2019 | -    | All | All | All |



|                                                               |
|---------------------------------------------------------------|
| cpe:2.3:0:microsoft:windows_server_2008:r2:sp1:*:*:*:*:x64:*: |
| cpe:2.3:0:microsoft:windows_server_2008:r2:sp1:*:*:*:*:x64:*: |
| cpe:2.3:0:microsoft:windows_server_2012:-:*:*:*:*:*:          |
| cpe:2.3:0:microsoft:windows_server_2012:r2:*:*:*:*:*:         |
| cpe:2.3:0:microsoft:windows_server_2012:-:*:*:*:*:*:          |
| cpe:2.3:0:microsoft:windows_server_2012:r2:*:*:*:*:*:         |
| cpe:2.3:0:microsoft:windows_server_2016:-:*:*:*:*:*:          |
| cpe:2.3:0:microsoft:windows_server_2016:1903:*:*:*:*:*:       |
| cpe:2.3:0:microsoft:windows_server_2016:1909:*:*:*:*:*:       |
| cpe:2.3:0:microsoft:windows_server_2016:2004:*:*:*:*:*:       |
| cpe:2.3:0:microsoft:windows_server_2016:-:*:*:*:*:*:          |
| cpe:2.3:0:microsoft:windows_server_2016:1903:*:*:*:*:*:       |
| cpe:2.3:0:microsoft:windows_server_2016:1909:*:*:*:*:*:       |
| cpe:2.3:0:microsoft:windows_server_2016:2004:*:*:*:*:*:       |
| cpe:2.3:0:microsoft:windows_server_2019:-:*:*:*:*:*:          |
| cpe:2.3:0:microsoft:windows_server_2019:-:*:*:*:*:*:          |

No vendor comments have been submitted for this CVE

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