



# CVE-2020-1172

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## CVE-2020-1172

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

CVSS:31/AV:N/AC:H/PR:N/UI:R/S:U/C:H/I:H/A:H



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

A remote code execution vulnerability exists in the way that the ChakraCore scripting engine handles objects in memory, aka 'Scripting Engine Memory Corruption Vulnerability'. This CVE ID is unique from CVE-2020-1057, CVE-2020-1180.

CVE-2020-1172 has been assigned by [secure@microsoft.com](#) to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **7.5 - HIGH**

| Attack Vector    | Attack Complexity      | Privileges Required | User Interaction    |
|------------------|------------------------|---------------------|---------------------|
| <b>NETWORK</b>   | <b>HIGH</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: **7.6 - HIGH**

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

## CVE References

| Description                                                | Tags                                                                                                                               | Link                                                                                          |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Security Update Guide - Microsoft Security Response Center | <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="#">MISC portal.msrc.microsoft.com/en-US/security-guidance/advisory/CVE-2020-1172</a> |

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### Related QID Numbers

981819 Dotnet (nuget) Security Update for Microsoft.ChakraCore (GHSA-xxfr-jrgh-x392)

### Known Affected Configurations (CPE V2.3)

| Type             | Vendor                    | Product                    | Version | Update | Edition | Language |
|------------------|---------------------------|----------------------------|---------|--------|---------|----------|
| Application      | <a href="#">Microsoft</a> | <a href="#">Chakracore</a> | All     | All    | All     | All      |
| Application      | <a href="#">Microsoft</a> | <a href="#">Chakracore</a> | All     | All    | All     | All      |
| Application      | <a href="#">Microsoft</a> | <a href="#">Edge</a>       | -       | All    | All     | All      |
| Application      | <a href="#">Microsoft</a> | <a href="#">Edge</a>       | -       | 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 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                                 | Microsoft | Windows 10          | 2004 | All | All | All |
| Operating System                                 | Microsoft | Windows Server 2016 | -    | All | All | All |
| Operating System                                 | Microsoft | Windows Server 2016 | -    | All | All | All |
| Operating System                                 | Microsoft | Windows Server 2019 | -    | All | All | All |
| Operating System                                 | Microsoft | Windows Server 2019 | -    | All | All | All |
| cpe:2.3:a:microsoft:chakracore:*.*****:          |           |                     |      |     |     |     |
| cpe:2.3:a:microsoft:chakracore:*.*****:          |           |                     |      |     |     |     |
| cpe:2.3:a:microsoft:edge:-.*****:                |           |                     |      |     |     |     |
| cpe:2.3:a:microsoft:edge:-.*****:                |           |                     |      |     |     |     |
| 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_server_2016:-.*****: |           |                     |      |     |     |     |
| cpe:2.3:o:microsoft:windows_server_2016:-.*****: |           |                     |      |     |     |     |

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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