



CVE-2020-1057

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

CVSS:31/AV:N/AC:H/PR:N/UI:N/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-2020-1172, CVE-2020-1180.

CVE-2020-1057 has been assigned by secure@microsoft.com to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **8.1 - HIGH**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	HIGH	NONE	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	HIGH	HIGH	HIGH

CVSS2 Score: **9.3 - HIGH**

Access Vector	Access Complexity	Authentication
NETWORK	MEDIUM	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
COMPLETE	COMPLETE	COMPLETE

CVE References

Description	Tags	Link
Security Update Guide - Microsoft Security Response Center	Patch Vendor Advisory portal.msrc.microsoft.com text/html	MISC portal.msrc.microsoft.com/en-US/security-guidance/advisory/CVE-2020-1057

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Related QID Numbers

981820 Dotnet (nuget) Security Update for Microsoft.ChakraCore (GHSA-9f8c-f7h4-xghf)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Microsoft	Chakracore	All	All	All	All
Application	Microsoft	Chakracore	All	All	All	All
Application	Microsoft	Edge	-	All	All	All
Application	Microsoft	Edge	-	All	All	All
Operating System	Microsoft	Windows 10	1803	All	All	All
Operating System	Microsoft	Windows 10	1809	All	All	All
Operating System	Microsoft	Windows 10	1903	All	All	All
Operating System	Microsoft	Windows 10	1909	All	All	All
Operating System	Microsoft	Windows 10	2004	All	All	All
Operating System	Microsoft	Windows 10	1803	All	All	All
Operating System	Microsoft	Windows 10	1809	All	All	All
Operating System	Microsoft	Windows 10	1903	All	All	All
Operating System	Microsoft	Windows 10	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_10:1803:*:*:*:*:*:*:
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:-:*:*:*:*:*:*:
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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