



# CVE-2019-0541

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

## Summary

<b>CVE</b>	CVE-2019-0541
<b>State</b>	PUBLIC
<b>Assigner</b>	secure@microsoft.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2019-01-08 21:29:00 UTC
<b>Updated</b>	2020-09-28 12:58:00 UTC
<b>Description</b>	A remote code execution vulnerability exists in the way that the MSHTML engine improperly validates input, aka "MSHTML

## Risk And Classification

**EPSS:** 0.833940000 probability, percentile 0.992680000 (date 2026-04-01)

**CISA KEV:** Listed on 2021-11-03; due 2022-05-03; ransomware use Unknown

**Problem Types:** CWE-77

## CISA Known Exploited Vulnerability

<b>Vendor</b>	Microsoft
<b>Product</b>	MSHTML
<b>Name</b>	Microsoft MSHTML Remote Code Execution Vulnerability
<b>Required Action</b>	Apply updates per vendor instructions.
<b>Notes</b>	<a href="https://nvd.nist.gov/vuln/detail/CVE-2019-0541">https://nvd.nist.gov/vuln/detail/CVE-2019-0541</a>

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Microsoft	Excel Viewer	2007	sp3	All	All
Application	Microsoft	Excel Viewer	2007	sp3	All	All
Application	Microsoft	Internet Explorer	10	All	All	All
Application	Microsoft	Internet Explorer	11	All	All	All
Application	Microsoft	Internet Explorer	9	All	All	All
Application	Microsoft	Internet Explorer	10	All	All	All
Application	Microsoft	Internet Explorer	11	All	All	All
Application	Microsoft	Internet Explorer	9	All	All	All

Application	Microsoft	Office	2010	sp2	All	All
Application	Microsoft	Office	2013	sp1	All	All
Application	Microsoft	Office	2013	sp1	All	All
Application	Microsoft	Office	2016	All	All	All
Application	Microsoft	Office	2019	All	All	All
Application	Microsoft	Office	2010	sp2	All	All
Application	Microsoft	Office	2013	sp1	All	All
Application	Microsoft	Office	2013	sp1	All	All
Application	Microsoft	Office	2016	All	All	All
Application	Microsoft	Office	2019	All	All	All
Application	Microsoft	Office 365 ProPlus	-	All	All	All
Application	Microsoft	Office 365 ProPlus	-	All	All	All
Application	Microsoft	Office Word Viewer	-	All	All	All
Application	Microsoft	Office Word Viewer	-	All	All	All
Operating System	Microsoft	Windows 10	-	All	All	All
Operating System	Microsoft	Windows 10	1607	All	All	All
Operating System	Microsoft	Windows 10	1703	All	All	All
Operating System	Microsoft	Windows 10	1709	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	-	All	All	All
Operating System	Microsoft	Windows 10	1607	All	All	All
Operating System	Microsoft	Windows 10	1703	All	All	All
Operating System	Microsoft	Windows 10	1709	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 7	-	sp1	All	All
Operating System	Microsoft	Windows 7	-	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	-	sp2	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	-	All	All	All
Operating System	Microsoft	Windows Server 2019	-	All	All	All
Operating System	Microsoft	Windows Server 2019	-	All	All	All

## References

Reference	Source	Link	Ti
portal.msrc.microsoft.com/en-US/security-guidance/advisory/CVE-2019-0541	CONFIRM	<a href="https://portal.msrc.microsoft.com/en-US/security-guidance/advisory/CVE-2019-0541">portal.msrc.microsoft.com</a>	P
Microsoft Windows MSHTML Engine - 'Edit' Remote Code Execution - Windows local Exploit	EXPLOIT-DB	<a href="https://www.exploit-db.com/exploits/45841/">www.exploit-db.com</a>	E
Microsoft Internet Explorer CVE-2019-0541 Remote Code Execution Vulnerability	BID	<a href="https://www.securityfocus.com/bid/108841">www.securityfocus.com</a>	TI
CVE Program record	CVE.ORG	<a href="https://www.cve.org/cve/2019/0541">www.cve.org</a>	ce
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov/vuln/detail/CVE-2019-0541">nvd.nist.gov</a>	ce
CISA Known Exploited Vulnerabilities catalog	CISA	<a href="https://www.cisa.gov/known-exploited-vulnerabilities-catalog">www.cisa.gov</a>	ke

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.

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