

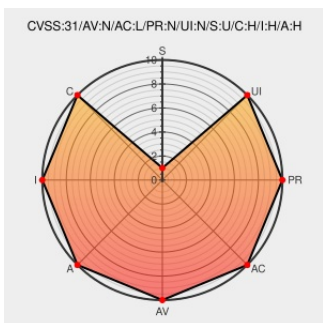


CVE-2020-0646

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CVE-2020-0646

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

Certain versions of [.net Framework](#) from [Microsoft](#) contain the following vulnerability:

A remote code execution vulnerability exists when the Microsoft .NET Framework fails to validate input properly, aka ['.NET Framework Remote Code Execution Injection Vulnerability'](#).

CVE-2020-0646 has been assigned by [secure@microsoft.com](#) to track the vulnerability - currently rated as **CRITICAL** severity.

CVSS3 Score: **9.8 - CRITICAL**

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

CVSS2 Score: **10 - HIGH**

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

CVE References

Description	Tags	Link
No Description Provided	Patch Vendor Advisory portal.msrc.microsoft.com text/html	N/A N/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
Application	Microsoft	.net Framework	3.0	sp2	All	All
Application	Microsoft	.net Framework	3.5	All	All	All
Application	Microsoft	.net Framework	3.5.1	All	All	All
Application	Microsoft	.net Framework	4.5.2	All	All	All
Application	Microsoft	.net Framework	4.6	All	All	All
Application	Microsoft	.net Framework	4.6.1	All	All	All
Application	Microsoft	.net Framework	4.6.2	All	All	All
Application	Microsoft	.net Framework	4.7	All	All	All
Application	Microsoft	.net Framework	4.7.1	All	All	All
Application	Microsoft	.net Framework	4.7.2	All	All	All
Application	Microsoft	.net Framework	4.8	All	All	All
Application	Microsoft	.net Framework	3.0	sp2	All	All
Application	Microsoft	.net Framework	3.5	All	All	All
Application	Microsoft	.net Framework	3.5.1	All	All	All
Application	Microsoft	.net Framework	4.5.2	All	All	All
Application	Microsoft	.net Framework	4.6	All	All	All
Application	Microsoft	.net Framework	4.6.1	All	All	All
Application	Microsoft	.net Framework	4.6.2	All	All	All
Application	Microsoft	.net Framework	4.7	All	All	All
Application	Microsoft	.net Framework	4.7.1	All	All	All
Application	Microsoft	.net Framework	4.7.2	All	All	All
Application	Microsoft	.net Framework	4.8	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	1607	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	1903	All	All	All
Operating System	Microsoft	Windows 10	1909	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	1607	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	1903	All	All	All
Operating System	Microsoft	Windows 10	1909	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	All
Operating System	Microsoft	Windows 8.1	All	All	All	All
Operating System	Microsoft	Windows Rt 8.1	All	All	All	All
Operating System	Microsoft	Windows Rt 8.1	All	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	1803	All	All	All
	Operating System	Microsoft	Windows Server 2016	1909	All	All	All
	Operating System	Microsoft	Windows Server 2016	-	All	All	All
	Operating System	Microsoft	Windows Server 2016	1803	All	All	All
	Operating System	Microsoft	Windows Server 2016	1909	All	All	All
	Operating System	Microsoft	Windows Server 2019	All	All	All	All
	Operating System	Microsoft	Windows Server 2019	All	All	All	All
	cpe:2.3:a:microsoft:.net_framework:3.0:sp2:*:*:*:*:*:						
	cpe:2.3:a:microsoft:.net_framework:3.5:*:*:*:*:*:						
	cpe:2.3:a:microsoft:.net_framework:3.5.1:*:*:*:*:*:						
	cpe:2.3:a:microsoft:.net_framework:4.5.2:*:*:*:*:*:						
	cpe:2.3:a:microsoft:.net_framework:4.6:*:*:*:*:*:						
	cpe:2.3:a:microsoft:.net_framework:4.6.1:*:*:*:*:*:						
	cpe:2.3:a:microsoft:.net_framework:4.6.2:*:*:*:*:*:						
	cpe:2.3:a:microsoft:.net_framework:4.7:*:*:*:*:*:						
	cpe:2.3:a:microsoft:.net_framework:4.7.1:*:*:*:*:*:						
	cpe:2.3:a:microsoft:.net_framework:4.7.2:*:*:*:*:*:						
	cpe:2.3:a:microsoft:.net_framework:4.8:*:*:*:*:*:						

cpe:2.3:a:microsoft:.net_framework:3.0:sp2:~::~~::~~::~~::~~:::
cpe:2.3:a:microsoft:.net_framework:3.5:~::~~::~~::~~::~~:::
cpe:2.3:a:microsoft:.net_framework:3.5.1:~::~~::~~::~~::~~:::
cpe:2.3:a:microsoft:.net_framework:4.5.2:~::~~::~~::~~::~~:::
cpe:2.3:a:microsoft:.net_framework:4.6:~::~~::~~::~~::~~:::
cpe:2.3:a:microsoft:.net_framework:4.6.1:~::~~::~~::~~::~~:::
cpe:2.3:a:microsoft:.net_framework:4.6.2:~::~~::~~::~~::~~:::
cpe:2.3:a:microsoft:.net_framework:4.7:~::~~::~~::~~::~~:::
cpe:2.3:a:microsoft:.net_framework:4.7.1:~::~~::~~::~~::~~:::
cpe:2.3:a:microsoft:.net_framework:4.7.2:~::~~::~~::~~::~~:::
cpe:2.3:a:microsoft:.net_framework:4.8:~::~~::~~::~~::~~:::
cpe:2.3:o:microsoft:windows_10:-:~::~~::~~::~~::~~:::
cpe:2.3:o:microsoft:windows_10:1607:~::~~::~~::~~::~~:::
cpe:2.3:o:microsoft:windows_10:1607:~::~~::~~::~~::~~:::x86:~::~~:::
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:-:~::~~::~~::~~::~~:::
cpe:2.3:o:microsoft:windows_10:1607:~::~~::~~::~~::~~:::
cpe:2.3:o:microsoft:windows_10:1607:~::~~::~~::~~::~~:::x86:~::~~:::
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_7:-:sp1:~::~~::~~::~~::~~:::

cpe:2.3:o:microsoft:windows_7:-:sp1:*:*:*:*:*:
cpe:2.3:o:microsoft:windows_8.1:*:*:*:*:*:*:
cpe:2.3:o:microsoft:windows_8.1:*:*:*:*:*:*:
cpe:2.3:o:microsoft:windows_rt_8.1:*:*:*:*:*:*:
cpe:2.3:o:microsoft:windows_rt_8.1:*:*:*:*:*:*:
cpe:2.3:o:microsoft:windows_server_2008:-:sp2:*:*:*:*:*:
cpe:2.3:o:microsoft:windows_server_2008:r2:sp1:*:*:*:*itanium:*:
cpe:2.3:o:microsoft:windows_server_2008:r2:sp1:*:*:*:*x64:*:
cpe:2.3:o:microsoft:windows_server_2008:-:sp2:*:*:*:*:*:
cpe:2.3:o:microsoft:windows_server_2008:r2:sp1:*:*:*:*itanium:*:
cpe:2.3:o:microsoft:windows_server_2008:r2:sp1:*:*:*:*x64:*:
cpe:2.3:o:microsoft:windows_server_2012:-:*:*:*:*:*:
cpe:2.3:o:microsoft:windows_server_2012:r2:*:*:*:*:*:*:
cpe:2.3:o:microsoft:windows_server_2012:-:*:*:*:*:*:
cpe:2.3:o:microsoft:windows_server_2012:r2:*:*:*:*:*:*:
cpe:2.3:o:microsoft:windows_server_2016:-:*:*:*:*:*:
cpe:2.3:o:microsoft:windows_server_2016:1803:*:*:*:*:*:*:
cpe:2.3:o:microsoft:windows_server_2016:1909:*:*:*:*:*:*:
cpe:2.3:o:microsoft:windows_server_2016:-:*:*:*:*:*:
cpe:2.3:o:microsoft:windows_server_2016:1803:*:*:*:*:*:*:
cpe:2.3:o:microsoft:windows_server_2016:1909:*:*:*:*:*:*:
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

Social Mentions

Source	Title	Posted (UTC)
🔒 @bluejak3	(CVE-2020-0646) MICROSOFT SHAREPOINT RCE thejavasea.com/threads/for-be... #bigdata #DEVCommunity #teChnOIogY #Programming... twitter.com/i/web/status/1...	2021-09-10 06:09:10
🔒 @voucherpro	[FOR BEGINNERS] MICROSOFT SHAREPOINT RCE (CVE-2020-0646) GENERATOR #BigData via	2021-09-10

	twinybots.ch thejavasea.com/threads/for-be...	06:27:04
 @ipssignatures	It's new to me that proofpoint has a protection/signature/rule for the vulnerability CVE-2020-0646.... twitter.com/i/web/status/1...	2021-11-19 02:02:01
 @ipssignatures	I know 4 other IPSs that have protections/signatures/rules for the vulnerability CVE-2020-0646. ipssignatures.appspot.com/?cve=CVE-2020-... #Sfs3csz2af7ivc	2021-11-19 02:02:01
 @ipssignatures	It's new to me that Astaro has a protection/signature/rule for the vulnerability CVE-2020-0646.... twitter.com/i/web/status/1...	2022-07-06 00:02:01
 @ipssignatures	I know 5 other IPSs that have protections/signatures/rules for the vulnerability CVE-2020-0646. ipssignatures.appspot.com/?cve=CVE-2020-... #Sfs3csz2af7ivc	2022-07-06 00:02:01
← Previous ID Next ID→		

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