

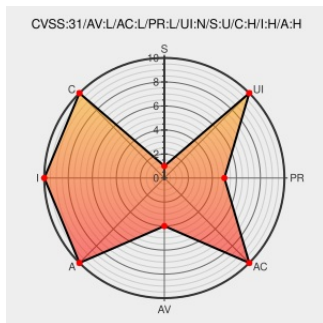


CVE-2020-1027

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CVE-2020-1027

[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 Kernel handles objects in memory, aka 'Windows Kernel Elevation of Privilege Vulnerability'. This CVE ID is unique from CVE-2020-0913, CVE-2020-1000, CVE-2020-1003.

CVE-2020-1027 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: **7.2 - HIGH**

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

CVE References

Description	Tags	Link
Windows xs!CNodeFactory::XMLParser_Element_doc_assembly_identity Heap Buffer Overflow ~ Packet Storm	packetstormsecurity.com text/html	MISC packetstormsecurity.com/files/168068/CNodeFactory-XMLParser_Element_doc_assembly-Heap-Buffer-Overflow.html

No Description Provided

Patch

Vendor Advisory

portal.msrc.microsoft.com

text/html

MISC portal.msrc.microsoft.com/en-us/guidance/advisory/CVE-2020-1027

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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	Microsoft	Windows 10	-	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	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

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	1803	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	-	All	All	All
Operating System	Microsoft	Windows Server 2016	1803	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 2019	-	All	All	All

system

Operating System	Microsoft	Windows Server 2019	-	All	All	All
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:-:*:*:*:*:*:						
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_7:-:sp1:*:*:*:*:*:						
cpe:2.3:o:microsoft:windows_7:-:sp1:*:*:*:*:*:						
cpe:2.3:o:microsoft:windows_8.1:-:*:*:*:*:*:						
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cpe:2.3:o:microsoft:windows_rt_8.1:-:*:*:*:*:*:						
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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_2016:1903:*****:
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_2016:1903:*****:
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)
 @RemotelyAlerts	Severity: ??? An elevation of privilege vulnerability ... CVE-2020-1027 Link for more: alerts.remotelyrmm.com/CVE-2020-1027	2022-08-12 18:28:51

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