

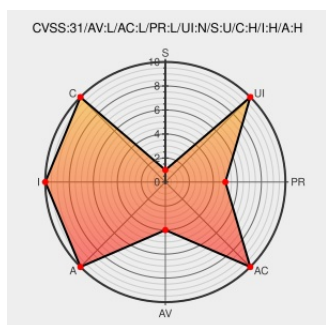


CVE-2020-1048

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CVE-2020-1048

[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 when the Windows Print Spooler service improperly allows arbitrary writing to the file system, aka 'Windows Print Spooler Elevation of Privilege Vulnerability'. This CVE ID is unique from CVE-2020-1070.

CVE-2020-1048 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 Print Spooler Privilege Escalation ≈ Packet Storm	packetstormsecurity.com text/html	MISC packetstormsecurity.com/files/158222/Windows-Print-Spooler-Privilege-Escalation.html
No Description Provided	Patch Vendor Advisory	MISC portal.msrc.microsoft.com/en-US/security-guidance/advisory/CVE-2020-1048

portal.msrc.microsoft.com[text/html](#)Microsoft Spooler Local Privilege Elevation ≈
Packet Stormpacketstormsecurity.com[text/html](#) [MISC packetstormsecurity.com/files/159217/Microsoft-Spooler-Local-Privilege-Elevation.html](https://packetstormsecurity.com/files/159217/Microsoft-Spooler-Local-Privilege-Elevation.html)

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There are currently no QIDs associated with this CVE

Exploit/POC from Github

An elevation of privilege vulnerability exists when the Windows Print Spooler service improperly allows arbitrary wri...

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

System						
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	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	Microsoft	Windows Server 2016	1903	All	All	All

System						
Operating System	Microsoft	Windows Server 2016	1909	All	All	All
Operating System	Microsoft	Windows Server 2019	-	All	All	All
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:-:*:*:*:*:*:						
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:*:*:*:*:*:
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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)
 @jc0f0116	@ptracesecurity cve-2020-1048 -> cve-2020-1337 -> cve-17001... and still even now are not careful about patching variants...	2021-06-30 23:57:55
 @HackingLZ	@PythonResponder Wishful thinking? Clearly it didn't happen after CVE-2020-1048	2021-07-01 00:57:19
 @ipSlav	@HackingLZ According to this "old" blogpost windows-internals.com/printdemon-cve... written by @aionescu and @yarden_shafir seems... twitter.com/i/web/status/1...	2021-07-02 09:08:57
 @CyberWarship	math1as/CVE-2020-1337-exploit in the patch of CVE-2020-1048, Microsoft add the validation code of portname on XcvD... twitter.com/i/web/status/1...	2021-07-12 13:40:02
 @ipssignatures	The vuln CVE-2020-1048 has a tweet created 21 days ago and retweeted 10 times. twitter.com/CyberWarship/s... #pow1rtrwwcve	2021-08-02 17:06:01
 @Wh0_D1s_1	Windows Privilege Escalation: SpoolFool Патчили, фиксيلي CVE-2020-1048 и CVE-2020-1337, а дыра осталась. Отличный... twitter.com/i/web/status/1...	2022-03-25 15:16:49
 /r/u/CyberGh00st	PrintDemon: Print Spooler Privilege Escalation, Persistence & Stealth (CVE-2020-1048 & more)	2021-07-11 07:40:31

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