



CVE-2020-17087

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Summary

CVE	CVE-2020-17087
State	PUBLIC
Assigner	secure@microsoft.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2020-11-11 07:15:00 UTC
Updated	2023-12-31 19:15:00 UTC
Description	Windows Kernel Local Elevation of Privilege Vulnerability

Risk And Classification

EPSS: 0.178330000 probability, percentile 0.951090000 (date 2026-04-02)

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

Problem Types: CWE-681

CISA Known Exploited Vulnerability

Vendor	Microsoft
Product	Windows
Name	Microsoft Windows Kernel Privilege Escalation Vulnerability
Required Action	Apply updates per vendor instructions.
Notes	https://nvd.nist.gov/vuln/detail/CVE-2020-17087

NVD Known Affected Configurations (CPE 2.3)

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	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	20h2	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	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	20h2	All	All	All
Operating System	Microsoft	Windows 7	-	All	All	All
Operating System	Microsoft	Windows 7	-	sp1	All	All
Operating System	Microsoft	Windows 7	-	All	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	sp2	All	All
Operating System	Microsoft	Windows Server 2008	-	sp2	All	All
Operating System	Microsoft	Windows Server 2008	r2	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	1903	All	All	All
Operating System	Microsoft	Windows Server 2016	1909	All	All	All
Operating System	Microsoft	Windows Server 2016	2004	All	All	All
Operating System	Microsoft	Windows Server 2016	20h2	All	All	All
Operating System	Microsoft	Windows Server 2016	-	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	2004	All	All	All
Operating System	Microsoft	Windows Server 2016	20h2	All	All	All
Operating System	Microsoft	Windows Server 2019	-	All	All	All
Operating System	Microsoft	Windows Server 2019	-	All	All	All

Operating System	MICROSOT	WINDOWS Server 2019	-	All	All	All
References						
Reference	Source	Link	Tags			
Security Update Guide - Microsoft Security Response Center	MISC	portal.msrc.microsoft.com	Patch, Vendor Advisory			
CVE Program record	CVE.ORG	www.cve.org	canonical			
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analysis			
CISA Known Exploited Vulnerabilities catalog	CISA	www.cisa.gov	kev			
No vendor comments have been submitted for this CVE.						
Legacy QID Mappings						
91780 Microsoft Azure Stack Hub Security Updates - February 2021						

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