



CVE-2018-8589

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF !\[\]\(003082e50e3009141f59bd5df831749f_img.jpg\)](#)

Summary

CVE	CVE-2018-8589
State	PUBLIC
Assigner	secure@microsoft.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2018-11-14 01:29:00 UTC
Updated	2019-10-03 00:03:00 UTC
Description	An elevation of privilege vulnerability exists when Windows improperly handles calls to Win32k.sys, aka "Windows Win32k

Risk And Classification

EPSS: 0.504380000 probability, percentile 0.978510000 (date 2026-04-24)

CISA KEV: Listed on 2022-05-23; due 2022-06-13; ransomware use Unknown

Problem Types: NVD-CWE-noinfo

CISA Known Exploited Vulnerability

Vendor	Microsoft
Product	Win32k
Name	Microsoft Win32k Privilege Escalation Vulnerability
Required Action	Apply updates per vendor instructions.
Notes	https://nvd.nist.gov/vuln/detail/CVE-2018-8589

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Microsoft	Windows 7	-	sp1	All	All
Operating System	Microsoft	Windows 7	-	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 2008	-	sp2	All	All
Operating System	Microsoft	Windows Server 2008	r2	sp1	All	All
Operating System	Microsoft	Windows Server 2008	r2	sp1	All	All

References

Reference	Source	Link
Windows Kernel 'Win32k.sys' Lets Local Users Gain Elevated Privileges - SecurityTracker	SECTRACK	www.securitytracker.com
Microsoft Windows Kernel 'Win32k.sys' CVE-2018-8589 Local Privilege Escalation Vulnerability	BID	www.securityfocus.com
portal.msrc.microsoft.com/en-US/security-guidance/advisory/CVE-2018-8589	CONFIRM	portal.msrc.microsoft.com
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov
CISA Known Exploited Vulnerabilities catalog	CISA	www.cisa.gov

No vendor comments have been submitted for this CVE.

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

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