



CVE-2018-8405

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Summary

CVE	CVE-2018-8405
State	PUBLIC
Assigner	secure@microsoft.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2018-08-15 17:29:00 UTC
Updated	2019-10-03 00:03:00 UTC
Description	An elevation of privilege vulnerability exists when the DirectX Graphics Kernel (DXGKRNL) driver improperly handles objec

Risk And Classification

EPSS: 0.499900000 probability, percentile 0.978500000 (date 2026-05-15)

CISA KEV: Listed on 2022-03-28; due 2022-04-18; ransomware use Known

Problem Types: CWE-404

CISA Known Exploited Vulnerability

Vendor	Microsoft
Product	DirectX Graphics Kernel (DXGKRNL)
Name	Microsoft DirectX Graphics Kernel Privilege Escalation Vulnerability
Required Action	Apply updates per vendor instructions.
Notes	https://nvd.nist.gov/vuln/detail/CVE-2018-8405

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	1703	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	-	All	All	All
Operating System	Microsoft	Windows 10	1607	All	All	All
Operating System	Microsoft	Windows 10	1703	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 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 2012	r2	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	1709	All	All	All
Operating System	Microsoft	Windows Server 2016	1803	All	All	All
Operating System	Microsoft	Windows Server 2016	-	All	All	All
Operating System	Microsoft	Windows Server 2016	1709	All	All	All
Operating System	Microsoft	Windows Server 2016	1803	All	All	All

References

Reference	Source	Link
Microsoft Windows DirectX Graphics Kernel CVE-2018-8405 Local Privilege Escalation Vulnerability	BID	www.securityfocus.com/bid/104444
Microsoft DirectX Graphics Kernel Driver Bugs Let Local Users Gain Elevated Privileges - SecurityTracker	SECTRACK	www.securitytracker.com/id/104444
portal.msrc.microsoft.com/en-US/security-guidance/advisory/CVE-2018-8405	CONFIRM	portal.msrc.microsoft.com/en-US/security-guidance/advisory/CVE-2018-8405
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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