



# Windows TCP/IP Remote Code Execution Vulnerability

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF](#) 

## Summary

<b>CVE</b>	CVE-2026-40415
<b>State</b>	PUBLISHED
<b>Assigner</b>	microsoft
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2026-05-12 18:17:19 UTC
<b>Updated</b>	2026-05-15 15:06:14 UTC
<b>Description</b>	Use after free in Windows TCP/IP allows an unauthorized attacker to execute code over a network.

## Risk And Classification

**Primary CVSS:** v3.1 8.1 HIGH from secure@microsoft.com

**CVSS:** 3.1/AV:N/AC:H/PR:N/UI:N/S:U/C:H/I:H/A:H

**EPSS:** 0.000950000 probability, percentile 0.262320000 (date 2026-05-17)

**Problem Types:** CWE-416 | CWE-416 CWE-416: Use After Free

Version	Source	Type	Score	Severity	Vector
3.1	secure@microsoft.com	Primary	8.1	HIGH	CVSS:3.1/AV:N/AC:H/PR:N/UI:N/S:U/C:H/I:H/A:H
3.1	CNA	CVSS	8.1	HIGH	CVSS:3.1/AV:N/AC:H/PR:N/UI:N/S:U/C:H/I:H/A:H/E:U/RL:O/RC:C

## CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

High

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

CVSS:3.1/AV:N/AC:H/PR:N/UI:N/S:U/C:H/I:H/A:H

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Microsoft	Windows 10 1809	All	All	All	All
Operating System	Microsoft	Windows 10 1809	All	All	All	All
Operating System	Microsoft	Windows 10 21h2	All	All	All	All
Operating System	Microsoft	Windows 10 21h2	All	All	All	All
Operating System	Microsoft	Windows 10 21h2	All	All	All	All
Operating System	Microsoft	Windows 10 22h2	All	All	All	All
Operating System	Microsoft	Windows 10 22h2	All	All	All	All
Operating System	Microsoft	Windows 10 22h2	All	All	All	All
Operating System	Microsoft	Windows 11 23h2	All	All	All	All
Operating System	Microsoft	Windows 11 23h2	All	All	All	All
Operating System	Microsoft	Windows 11 24h2	All	All	All	All
Operating System	Microsoft	Windows 11 24h2	All	All	All	All
Operating System	Microsoft	Windows 11 25h2	All	All	All	All
Operating System	Microsoft	Windows 11 25h2	All	All	All	All
Operating System	Microsoft	Windows 11 26h1	All	All	All	All
Operating System	Microsoft	Windows 11 26h1	All	All	All	All
Operating System	Microsoft	Windows Server 2019	All	All	All	All
Operating System	Microsoft	Windows Server 2022	All	All	All	All
Operating System	Microsoft	Windows Server 2022 23h2	All	All	All	All
Operating System	Microsoft	Windows Server 2025	All	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platform
CNA	Microsoft	Windows 10 Version 1809	affected 10.0.17763.0 10.0.17763.8755 custom	32-bit
CNA	Microsoft	Windows 10 Version 21H2	affected 10.0.19044.0 10.0.19044.7291 custom	32-bit
CNA	Microsoft	Windows 10 Version 22H2	affected 10.0.19045.0 10.0.19045.7291 custom	32-bit
CNA	Microsoft	Windows 11 Version 22H3	affected 10.0.22631.0 10.0.22631.7079 custom	ARM64
CNA	Microsoft	Windows 11 Version 23H2	affected 10.0.22631.0 10.0.22631.7079 custom	x64-bit
CNA	Microsoft	Windows 11 Version 24H2	affected 10.0.26100.0 10.0.26100.8457 custom	ARM64
CNA	Microsoft	Windows 11 Version 25H2	affected 10.0.26200.0 10.0.26200.8457 custom	ARM64

CNA	Microsoft	Windows 11 Version 22H2	affected	10.0.22000.0	10.0.22000.0407	custom	ARM64
CNA	Microsoft	Windows 11 Version 26H1	affected	10.0.28000.0	10.0.28000.2113	custom	ARM64
CNA	Microsoft	Windows Server 2019	affected	10.0.17763.0	10.0.17763.8755	custom	x64-bit
CNA	Microsoft	Windows Server 2019 Server Core Installation	affected	10.0.17763.0	10.0.17763.8755	custom	x64-bit
CNA	Microsoft	Windows Server 2022	affected	10.0.20348.0	10.0.20348.5139	custom	x64-bit
CNA	Microsoft	Windows Server 2022 23H2 Edition Server Core Installation	affected	10.0.25398.0	10.0.25398.2330	custom	x64-bit
CNA	Microsoft	Windows Server 2025	affected	10.0.26100.0	10.0.26100.32860	custom	x64-bit
CNA	Microsoft	Windows Server 2025 Server Core Installation	affected	10.0.26100.0	10.0.26100.32860	custom	x64-bit

## References

Reference	Source	Link	Tags
<a href="https://msrc.microsoft.com/update-guide/vulnerability/CVE-2026-40415">msrc.microsoft.com/update-guide/vulnerability/CVE-2026-40415</a>	secure@microsoft.com	<a href="https://msrc.microsoft.com">msrc.microsoft.com</a>	Vendor Advisory
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>	canonical
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>	canonical, analysis

No vendor comments have been submitted for this CVE.

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

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