



# Microsoft Windows CNG Key Isolation Service Privilege Escalation Vulnerability

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

## Summary

<b>CVE</b>	CVE-2023-28229
<b>State</b>	PUBLIC
<b>Assigner</b>	secure@microsoft.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2023-04-11 21:15:00 UTC
<b>Updated</b>	2023-04-13 01:13:00 UTC
<b>Description</b>	Windows CNG Key Isolation Service Elevation of Privilege Vulnerability

## Risk And Classification

**EPSS:** 0.101900000 probability, percentile 0.931620000 (date 2026-04-22)

**CISA KEY:** Listed on 2023-10-04; due 2023-10-25; ransomware use Unknown

**Problem Types:** NVD-CWE-noinfo

## CISA Known Exploited Vulnerability

<b>Vendor</b>	Microsoft
<b>Product</b>	Windows CNG Key Isolation Service
<b>Name</b>	Microsoft Windows CNG Key Isolation Service Privilege Escalation Vulnerability
<b>Required Action</b>	Apply mitigations per vendor instructions or discontinue use of the product if mitigations are unavailable.
<b>Notes</b>	<a href="https://msrc.microsoft.com/update-guide/vulnerability/CVE-2023-28229">https://msrc.microsoft.com/update-guide/vulnerability/CVE-2023-28229</a> ; <a href="https://nvd.nist.gov/vuln/detail/CVE-2023-28229">https://nvd.nist.gov/vuln/detail/CVE-2023-28229</a>

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	<a href="#">Microsoft</a>	<a href="#">Windows 10 1507</a>	All	All	All	All
Operating System	<a href="#">Microsoft</a>	<a href="#">Windows 10 1607</a>	All	All	All	All
Operating System	<a href="#">Microsoft</a>	<a href="#">Windows 10 1809</a>	All	All	All	All
Operating System	<a href="#">Microsoft</a>	<a href="#">Windows 10 20h2</a>	All	All	All	All
Operating System	<a href="#">Microsoft</a>	<a href="#">Windows 10 21h2</a>	All	All	All	All
Operating System	<a href="#">Microsoft</a>	<a href="#">Windows 10 22h2</a>	All	All	All	All
Operating System	<a href="#">Microsoft</a>	<a href="#">Windows 11 21h2</a>	All	All	All	All

Operating System	<a href="#">Microsoft</a>	<a href="#">Windows 11 22H2</a>	All	All	All	All
Operating System	<a href="#">Microsoft</a>	<a href="#">Windows 11 22h2</a>	All	All	All	All
Operating System	<a href="#">Microsoft</a>	<a href="#">Windows Server 2008</a>	-	sp2	All	All
Operating System	<a href="#">Microsoft</a>	<a href="#">Windows Server 2008</a>	r2	sp1	All	All
Operating System	<a href="#">Microsoft</a>	<a href="#">Windows Server 2012</a>	-	All	All	All
Operating System	<a href="#">Microsoft</a>	<a href="#">Windows Server 2012</a>	r2	All	All	All
Operating System	<a href="#">Microsoft</a>	<a href="#">Windows Server 2016</a>	-	All	All	All
Operating System	<a href="#">Microsoft</a>	<a href="#">Windows Server 2019</a>	-	All	All	All
Operating System	<a href="#">Microsoft</a>	<a href="#">Windows Server 2022</a>	-	All	All	All

## References

Reference	Source	Link	Tags
Security Update Guide - Microsoft Security Response Center	MISC	<a href="https://msrc.microsoft.com">msrc.microsoft.com</a>	Patch, 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
CISA Known Exploited Vulnerabilities catalog	CISA	<a href="https://www.cisa.gov">www.cisa.gov</a>	kev

No vendor comments have been submitted for this CVE.

## Legacy QID Mappings

[92003](#) Microsoft Windows Security Update for April 2023

[92005](#) Microsoft Azure Stack Hub Security Update for April 2023

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