



# CVE-2021-31199

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

## Summary

|                        |                                                                                |
|------------------------|--------------------------------------------------------------------------------|
| <b>CVE</b>             | CVE-2021-31199                                                                 |
| <b>State</b>           | PUBLIC                                                                         |
| <b>Assigner</b>        | secure@microsoft.com                                                           |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback                                   |
| <b>Published</b>       | 2021-06-08 23:15:00 UTC                                                        |
| <b>Updated</b>         | 2023-08-01 23:15:00 UTC                                                        |
| <b>Description</b>     | Microsoft Enhanced Cryptographic Provider Elevation of Privilege Vulnerability |

## Risk And Classification

**EPSS:** 0.007980000 probability, percentile 0.741290000 (date 2026-05-09)

**CISA KEV:** Listed on 2021-11-03; due 2021-11-17; ransomware use Unknown

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

## CISA Known Exploited Vulnerability

|                        |                                                                                                               |
|------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>Vendor</b>          | Microsoft                                                                                                     |
| <b>Product</b>         | Enhanced Cryptographic Provider                                                                               |
| <b>Name</b>            | Microsoft Enhanced Cryptographic Provider Privilege Escalation Vulnerability                                  |
| <b>Required Action</b> | Apply updates per vendor instructions.                                                                        |
| <b>Notes</b>           | <a href="https://nvd.nist.gov/vuln/detail/CVE-2021-31199">https://nvd.nist.gov/vuln/detail/CVE-2021-31199</a> |

## NVD Known Affected Configurations (CPE 2.3)

| Type             | Vendor                    | Product                             | Version | Update | Edition | Language |
|------------------|---------------------------|-------------------------------------|---------|--------|---------|----------|
| 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      |

## References

| Reference                                                  | Source  | Link                                                                      | Tags      |
|------------------------------------------------------------|---------|---------------------------------------------------------------------------|-----------|
| Security Update Guide - Microsoft Security Response Center | MISC    | <a href="https://portal.msrc.microsoft.com">portal.msrc.microsoft.com</a> |           |
| CVE Program record                                         | CVE.ORG | <a href="https://www.cve.org">www.cve.org</a>                             | canonical |

|                                              |         |                                                |                     |
|----------------------------------------------|---------|------------------------------------------------|---------------------|
| CVE Program record                           | CVE.ORG | <a href="http://www.cve.org">www.cve.org</a>   | canonical           |
| NVD vulnerability detail                     | NVD     | <a href="http://nvd.nist.gov">nvd.nist.gov</a> | canonical, analysis |
| CISA Known Exploited Vulnerabilities catalog | CISA    | <a href="http://www.cisa.gov">www.cisa.gov</a> | kev                 |

No vendor comments have been submitted for this CVE.

### Legacy QID Mappings

91772 Microsoft Windows Security Update for June 2021

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