



# Improper certificate validation in multiple RouterOS services

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF !\[\]\(003082e50e3009141f59bd5df831749f\_img.jpg\)](#)

## Summary

|                        |  |
|------------------------|--|
| <b>CVE</b>             | CVE-2025-42611   |
| <b>State</b>           | PUBLISHED  |
| <b>Assigner</b>        | ENISA  |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback   |
| <b>Published</b>       | 2026-05-05 11:16:31 UTC  |
| <b>Updated</b>         | 2026-05-07 14:51:53 UTC  |
| <b>Description</b>     | RouterOS provides various services that rely on correct verification of client and server certificates to secure confidentiality |

## Risk And Classification

**Primary CVSS:** v3.1 6.5 MEDIUM from a6d3dc9e-0591-4a13-bce7-0f5b31ff6158

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

**EPSS:** 0.000090000 probability, percentile 0.008770000 (date 2026-05-12)

**Problem Types:** CWE-295 | CWE-295 CWE-295 Improper certificate validation

| Version | Source                               | Type      | Score | Severity | Vector                                       |
|---------|--------------------------------------|-----------|-------|----------|--|
| 3.1     | a6d3dc9e-0591-4a13-bce7-0f5b31ff6158 | Secondary | 6.5   | MEDIUM   | CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:L/A:N |
| 3.1     | CNA                                  | CVSS      | 6.5   | MEDIUM   | CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:L/A:N |

## CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

Low

Integrity

Low

Availability

None

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

#### Vendor Declared Affected Products

| Source | Vendor                   | Product                  | Version                | Platforms     |
|--------|--------------------------|--------------------------|------------------------|---------------|
| CNA    | <a href="#">Mikrotik</a> | <a href="#">RouterOS</a> | affected 7.20.x semver | Not specified |

#### References

| Reference  | Source                               | Link   | Tags                |
|--|--------------------------------------|--|---------------------|
| <a href="http://www.cert.si/en/cve-2025-42611">www.cert.si/en/cve-2025-42611</a> | a6d3dc9e-0591-4a13-bce7-0f5b31ff6158 | <a href="http://www.cert.si">www.cert.si</a>   |                     |
| 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 |

No vendor comments have been submitted for this CVE.

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

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