



# Acceptance of CertificateVerify Message before ClientKeyExchange in TLS 1.2

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

## Summary

<b>CVE</b>	CVE-2026-2645
<b>State</b>	PUBLISHED
<b>Assigner</b>	wolfSSL
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2026-03-19 18:16:22 UTC
<b>Updated</b>	2026-04-29 18:47:49 UTC
<b>Description</b>	In wolfSSL 5.8.2 and earlier, a logic flaw existed in the TLS 1.2 server state machine implementation. The server could incor

## Risk And Classification

**Primary CVSS:** v4.0 5.5 MEDIUM from facts@wolfssl.com

CVSS:4.0/AV:N/AC:L/AT:N/PR:L/UI:P/VC:N/VI:H/VA:N/SC:N/SI:N/SA:N/E:P/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

**EPSS:** 0.000200000 probability, percentile 0.055930000 (date 2026-05-05)

**Problem Types:** CWE-358 | CWE-358 CWE-358: Improperly Implemented Security Check for Standard

Version	Source	Type	Score	Severity	Vector
4.0	facts@wolfssl.com	Secondary	5.5	MEDIUM	CVSS:4.0/AV:N/AC:L/AT:N/PR:L/UI:P/VC:N/VI:H/VA:N/SC:N/SI:N/SA:N/E:P/C
4.0	CNA	CVSS	5.5	MEDIUM	CVSS:4.0/AV:N/AC:L/AT:N/PR:L/UI:P/VC:N/VI:H/VA:N/SC:N/SI:N/SA:N/E:P
3.1	nvd@nist.gov	Primary	7.5	HIGH	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:H/A:N

## CVSS v4.0 Breakdown

Attack Vector

Network

Attack Complexity

Low

Attack Requirements

None

Privileges Required

Low

User Interaction

Passive

Confidentiality

None

Integrity

High

Availability

None

Sub Conf.

None

Sub Integrity

None

Sub Availability

None

CVSS:4.0/AV:N/AC:L/AT:N/PR:L/UI:P/VC:N/VI:H/VA:N/SC:N/SI:N/SA:N/E:P/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MS:C:X/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

### CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

High

Availability

None

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

### NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Wolfssl	Wolfssl	All	All	All	All

### Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
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Source	Vendor	Product	Version	Reference
CNA	WolfSSL	WolfSSL	affected 5.8.4 semver	Not specified

## References

Reference	Source	Link	Tags
github.com/wolfSSL/wolfssl/pull/9694	facts@wolfssl.com	<a href="https://github.com">github.com</a>	Issue Tracking, Patch
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

## Vendor Comments And Credit

### Discovery Credit

**CNA:** Kai Tian (en)

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

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