



CVE-2026-0648

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Summary

CVE	CVE-2026-0648
State	PUBLISHED
Assigner	eclipse
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-01-27 16:16:35 UTC
Updated	2026-04-02 20:30:57 UTC
Description	The vulnerability stems from an incorrect error-checking logic in the CreateCounter() function (in threadx/utility/rtos_compat

Risk And Classification

Primary CVSS: v3.1 6.3 MEDIUM from nvd@nist.gov

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

EPSS: 0.000200000 probability, percentile 0.051710000 (date 2026-04-02)

Problem Types: CWE-253 | CWE-787 | CWE-253 CWE-253 Incorrect Check of Function Return Value

Version	Source	Type	Score	Severity	Vector
3.1	nvd@nist.gov	Primary	6.3	MEDIUM	CVSS:3.1/AV:L/AC:H/PR:L/UI:N/S:U/C:H/I:N/A:H
3.1	emo@eclipse.org	Secondary	7.8	HIGH	CVSS:3.1/AV:L/AC:H/PR:L/UI:N/S:C/C:H/I:H/A:H
3.1	CNA	CVSS	7.8	HIGH	CVSS:3.1/AV:L/AC:H/PR:L/UI:N/S:C/C:H/I:H/A:H

CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

High

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

None

Availability

High

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

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Eclipse	Threadx	All	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Eclipse Foundation	Eclipse ThreadX	affected 6.1.7 6.4.3 semver	Not specified

References

Reference	Source	Link	Tags
github.com/eclipse-threadx/threadx/security/advisories/GHSA-xj75-fc68-h4rw	emo@eclipse.org	github.com	Third Party Advisory
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analysis

Vendor Comments And Credit

Discovery Credit

CNA: Lavine Yue (en)

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

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