

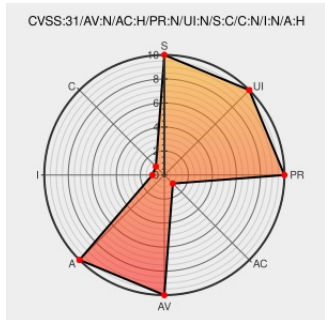


CVE-2020-10063

Published on: 06/05/2020 12:00:00 AM UTC

Last Modified on: 03/23/2021 11:23:34 PM UTC

CVE-2020-10063

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#) 

Certain versions of [Zephyr](#) from [Zephyrproject](#) contain the following vulnerability:

A remote adversary with the ability to send arbitrary CoAP packets to be parsed by Zephyr is able to cause a denial of service. This issue affects: zephyrproject-rtos zephyr version 2.2.0 and later versions.

CVE-2020-10063 has been assigned by [vulnerabilities@zephyrproject.org](#) to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: [zephyrproject-rtos](#) - **zephyr** version **>= 2.2.0**

Affected Vendor/Software: [zephyrproject-rtos](#) - **zephyr** version **>= 2.1.0**

Affected Vendor/Software: [zephyrproject-rtos](#) - **zephyr** version **>= 1.14.0**

CVSS3 Score: **7.5 - HIGH**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	NONE	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	NONE	NONE	HIGH

CVSS2 Score: **5 - MEDIUM**

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
NONE	NONE	PARTIAL

CVE References

Description	Tags	Link
[Backport v1.14] net: coap: Fix possible overflow by ceolin · Pull Request #24530 · zephyrproject-rtos/zephyr · GitHub	Patch Third Party Advisory github.com text/html	 MISC github.com/zephyrproject-rtos/zephyr/pull/24530
[ZEPSEC-55] Remote Denial of Service in CoAP Option Parsing Due To Integer Overflow - Zephyr Project Security Issues	Permissions Required zephyrprojectsec.atlassian.net text/html	 MISC zephyrprojectsec.atlassian.net/browse/ZEPSEC-55
[Backport v2.1] net: coap: Fix possible overflow by ceolin · Pull Request #24535 · zephyrproject-rtos/zephyr · GitHub	Patch Third Party Advisory github.com text/html	 MISC github.com/zephyrproject-rtos/zephyr/pull/24535
Vulnerabilities — Zephyr Project Documentation	Vendor Advisory docs.zephyrproject.org text/html	 MISC docs.zephyrproject.org/latest/security/vulnerabilities.html#cve-2020-10063
Fix possible integer overflow in CoAP by ceolin · Pull Request #24435 · zephyrproject-rtos/zephyr · GitHub	Patch Third Party Advisory github.com text/html	 MISC github.com/zephyrproject-rtos/zephyr/pull/24435
[Backport v2.2] net: coap: Fix possible overflow by ceolin · Pull Request #24531 · zephyrproject-rtos/zephyr · GitHub	Patch Third Party Advisory github.com text/html	 MISC github.com/zephyrproject-rtos/zephyr/pull/24531

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Zephyrproject	Zephyr	All	All	All	All

cpe:2.3:o:zephyrproject:zephyr:*****:

Discovery Credit

NCC Group for report

← Previous ID

Next ID →

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