CVE-2020-10058

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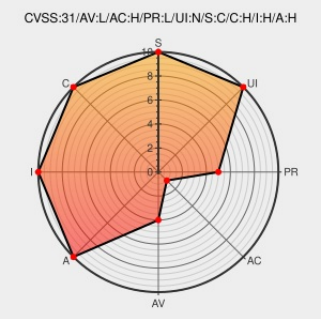

Certain versions of Zephyr from Zephyrproject contain the following vulnerability:

Multiple syscalls in the Kscan subsystem perform insufficient argument validation, allowing code executing in userspace to potentially gain elevated privileges. See NCC-ZEP-006 This issue affects: zephyrproject-rtos zephyr version 2.1.0 and later versions.

CVE-2020-10058 has been assigned by vulnerabilities@zephyrproject.org to track the vulnerability - currently rated as HIGH severity.

Affected Vendor/Software: **zephyrproject-rtos** - **zephyr** version **>= 2.1.0**

CVSS3 Score: 7.8 - HIGH

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

CVSS2 Score: 4.6 - MEDIUM

Access Vector	Access Complexity	Authentication
LOCAL	LOW	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
PARTIAL	PARTIAL	PARTIAL

CVE References

Description	Tags	Link
drivers: kscan: fix syscall handlers by ceolin · Pull Request #23748 · zephyrproject-	Patch, Third Party Advisory	MISC github.com/zephyrproject-rtos/zephyr/pull/23748

rtos/zephyr · GitHub	github.com text/html	
fix some incorrect syscall handlers by andrewboie · Pull Request #23308 · zephyrproject-rtos/zephyr · GitHub	Patch Third Party Advisory github.com text/html	MISC github.com/zephyrproject-rtos/zephyr/pull/23308
[ZEPSEC-34] Multiple Syscalls In kscan Subsystem Performs No Argument Validation - Zephyr Project Security Issues	Third Party Advisory zephyrprojectsec.atlassian.net text/html	MISC zephyrprojectsec.atlassian.net/browse/ZEPSEC-34
Vulnerabilities — Zephyr Project Documentation	docs.zephyrproject.org text/html	MISC docs.zephyrproject.org/latest/security/vulnerabilities.html#cve-2020-10058

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	2.1.0	All	All	All
Operating System	Zephyrproject	Zephyr	2.1.0	All	All	All

cpe:2.3:o:zephyrproject:zephyr:2.1.0:*:*:*:*:*:*:*

cpe:2.3:o:zephyrproject:zephyr:2.1.0:*:*:*:*:*:*:*

Discovery Credit

NCC Group for report

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