CVE-2021-40327

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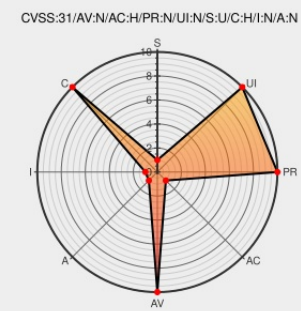
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Trusted Firmware-m from Trustedfirmware contain the following vulnerability:

Trusted Firmware-M (TF-M) 1.4.0, when Profile Small is used, has incorrect access control. NSPE can access a secure key (held by the Crypto service) based solely on knowledge of its key ID. For example, there is no authorization check associated with the relationship between a caller and a key owner.

CVE-2021-40327 has been assigned by cve@mitre.org to track the vulnerability - currently rated as MEDIUM severity.

CVSS3 Score: 5.9 - MEDIUM

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

CVSS2 Score: 2.6 - LOW

Access Vector	Access Complexity	Authentication
NETWORK	HIGH	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
PARTIAL	NONE	NONE

CVE References

Description	Tags	Link
Arm Security Center	developer.arm.com text/html	MISC developer.arm.com/support/arm-security-updates
Advisory	tf-m-user-guide.trustedfirmware.org	CONFIRM tf-m-user-

Advisory TFMV-4 — Trusted Firmware-M v1.5.0+ (f07cc31) documentation	text/html	guide.trusted firmware.org/docs/security/security_advisories/profile_small_key_id_encodin
trusted-firmware-m.git - Trusted Firmware for M profile Arm CPUs	git.trusted firmware.org text/html	MISC git.trusted firmware.org/TF-M/trusted-firmware-m.git/

By selecting these links, you may be leaving CVEreport webspace. We have provided these links to other websites because they may have information that would be of interest to you. No inferences should be drawn on account of other sites being referenced, or not, from this page. There may be other websites that are more appropriate for your purpose. CVEreport does not necessarily endorse the views expressed, or concur with the facts presented on these sites. Further, CVEreport does not endorse any commercial products that may be mentioned on these sites. Please address comments about any linked pages to comment@cve.report.

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Trustedfirmware	Trusted Firmware-m	1.4.0	All	All	All

cpe:2.3:a:trustedfirmware:trusted_firmware-m:1.4.0:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2021-40327 : Trusted Firmware-M TF-M 1.4.0, when Profile Small is used, has incorrect access control. NSPE ca… twitter.com/i/web/status/1…	2022-01-13 16:06:02
/r/netcve	CVE-2021-40327	2022-01-13 17:39:03

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Next ID→

CVE.report and Source URL Uptime Status status.cve.report