



CVE-2021-22684

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

Certain versions of [Tizenrt](#) from [Samsung](#) contain the following vulnerability:

Tizen RT RTOS version 3.0.GBB is vulnerable to integer wrap-around in functions `_calloc` and `mm_zalloc`. This improper memory assignment can lead to arbitrary memory allocation, resulting in unexpected behavior such as a crash

CVE-2021-22684 has been assigned by [ics-cert@hq.dhs.gov](#) to track the vulnerability - currently rated as **HIGH** severity.

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
Multiple RTOS (Update C) CISA	us-cert.cisa.gov text/html	MISC us-cert.cisa.gov/ics/advisories/icsa-21-119-04

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

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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	Samsung	Tizenrt	All	All	All	All
cpe:2.3:o:samsung:tizenrt:*****::						

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
 @CVEreport	CVE-2021-22684 : Tizen RT RTOS version 3.0.GBB is vulnerable to integer wrap-around in functions_calloc and mm_zall... twitter.com/i/web/status/1...	2021-08-31 17:04:46

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