



CVE-2021-34382

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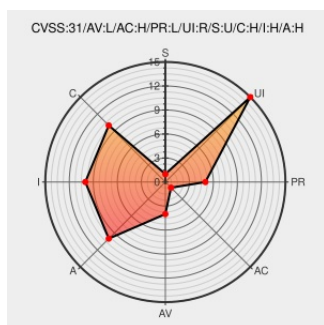
CVE-2021-34382

Source: Mitre

Source: NIST

CVE.ORG

Print: PDF



Certain versions of [Jetson Linux](#) from [Nvidia](#) contain the following vulnerability:

Trusty TLK contains a vulnerability in the NVIDIA TLK kernel's `tz_map_shared_mem` function where an integer overflow on the size parameter causes the request buffer and the logging buffer to overflow, allowing writes to arbitrary addresses within the kernel.

CVE-2021-34382 has been assigned by psirt@nvidia.com to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: **NVIDIA - NVIDIA Jetson TX1** version **All Jetson Linux versions prior to r32.5.1**

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
Security Bulletin: NVIDIA Jetson AGX Xavier Series, Jetson Xavier NX, Jetson TX1, Jetson TX2 Series (including Jetson TX2 NX), and Jetson Nano (including Jetson Nano 2GB) - June 2021	nvidia.custhelp.com text/html	CONFIRM nvidia.custhelp.com/app/answers/detail/a_id/5205

NVIDIA

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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	Nvidia	Jetson Linux	All	All	All	All
Hardware	Nvidia	Jetson Tx1	-	All	All	All
<pre>cpe:2.3:o:nvidia:jetson_linux:*.*.*.*.*.*.*.*.</pre>						
<pre>cpe:2.3:h:nvidia:jetson_tx1:-.*.*.*.*.*.*.*.*.</pre>						

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
 @CVEreport	CVE-2021-34382 : Trusty TLK contains a vulnerability in the NVIDIA TLK #kernel's tz_map_shared_mem function where a... twitter.com/i/web/status/1...	2021-06-30 10:30:57
 /r/netcve	CVE-2021-34382	2021-06-30 10:41:19

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