



# CVE-2021-34387

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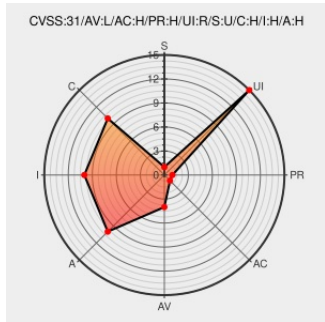
Last Modified on: 06/30/2021 10:30:29 AM UTC

## CVE-2021-34387

[Source: Mitre](#)

[Source: Nist](#)

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

The ARM TrustZone Technology on which Trusty is based on contains a vulnerability in access permission settings where the portion of the DRAM reserved for TrustZone is identity-mapped by TLK with read, write, and execute permissions, which gives write access to kernel code and data that is otherwise mapped read only.

CVE-2021-34387 has been assigned by psirt@nvidia.com to track the vulnerability - currently rated as **MEDIUM** severity.

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

CVSS3 Score: **6.7 - MEDIUM**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
<b>LOCAL</b>	<b>LOW</b>	<b>HIGH</b>	<b>NONE</b>
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
<b>UNCHANGED</b>	<b>HIGH</b>	<b>HIGH</b>	<b>HIGH</b>

CVSS2 Score: **7.2 - HIGH**

Access Vector	Access Complexity	Authentication
<b>LOCAL</b>	<b>LOW</b>	<b>NONE</b>
Confidentiality Impact	Integrity Impact	Availability Impact
<b>COMPLETE</b>	<b>COMPLETE</b>	<b>COMPLETE</b>

## CVE References

Description	Tags	Link
Security Bulletin: NVIDIA Jetson AGX Xavier Series, Jetson	<a href="#">nvidia.custhelp.com</a>	<a href="#">CONFIRM</a>

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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	<a href="#">Nvidia</a>	<a href="#">Jetson Linux</a>	All	All	All	All
Hardware	<a href="#">Nvidia</a>	<a href="#">Jetson Tx1</a>	-	All	All	All

cpe:2.3:o:nvidia:jetson\_linux:~::~::~::~:

cpe:2.3:h:nvidia:jetson\_tx1:-::~::~::~:

No vendor comments have been submitted for this CVE

### Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2021-34387 : The ARM TrustZone Technology on which Trusty is based on contains a vulnerability in access permis... <a href="https://twitter.com/i/web/status/1...">twitter.com/i/web/status/1...</a>	2021-06-21 21:41:40
/r/netcve	<a href="#">CVE-2021-34387</a>	2021-06-21 22:41:41

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