CVE-2021-34380

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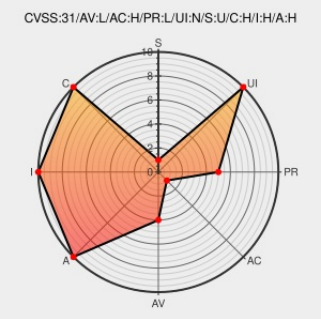
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Jetson Agx Xavier 16gb from Nvidia contain the following vulnerability:

Bootloader contains a vulnerability in NVIDIA MB2 where potential heap overflow might cause corruption of the heap metadata, which might lead to arbitrary code execution, denial of service, and information disclosure during secure boot.

CVE-2021-34380 has been assigned by psirt@nvidia.com to track the vulnerability - currently rated as HIGH severity.

Affected Vendor/Software: **NVIDIA** - **NVIDIA Jetson TX1, TX2 series, TX2 NX, AGX Xavier series, Xavier NX, Nano and Nano 2GB** 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	nvidia.custhelp.com text/html	CONFIRM nvidia.custhelp.com/app/answers/detail/a_id/5205

NX), and Jetson Nano (including Jetson Nano 2GB) - June 2021 | NVIDIA

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	Nvidia	Jetson Agx Xavier 16gb	-	All	All	All
Hardware	Nvidia	Jetson Agx Xavier 32gb	-	All	All	All
Hardware	Nvidia	Jetson Agx Xavier 8gb	-	All	All	All
Operating System	Nvidia	Jetson Linux	All	All	All	All
Hardware	Nvidia	Jetson Tx2	-	All	All	All
Hardware	Nvidia	Jetson Tx2i	-	All	All	All
Hardware	Nvidia	Jetson Tx2 4gb	-	All	All	All
Hardware	Nvidia	Jetson Tx2 Nx	-	All	All	All
Hardware	Nvidia	Jetson Xavier Nx	-	All	All	All

cpe:2.3:h:nvidia:jetson_agx_xavier_16gb:-:*:*:*:*:*:*:*:

cpe:2.3:h:nvidia:jetson_agx_xavier_32gb:-:*:*:*:*:*:*:*:

cpe:2.3:h:nvidia:jetson_agx_xavier_8gb:-:*:*:*:*:*:*:*:

cpe:2.3:o:nvidia:jetson_linux:*:*:*:*:*:*:*:*:

cpe:2.3:h:nvidia:jetson_tx2:-:*:*:*:*:*:*:*:

cpe:2.3:h:nvidia:jetson_tx2i:-:*:*:*:*:*:*:*:

cpe:2.3:h:nvidia:jetson_tx2_4gb:-:*:*:*:*:*:*:*:

cpe:2.3:h:nvidia:jetson_tx2_nx:-:*:*:*:*:*:*:*:

cpe:2.3:h:nvidia:jetson_xavier_nx:-:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)

@CVEreport	CVE-2021-34380 : Bootloader contains a vulnerability in NVIDIA MB2 where potential heap overflow might cause corrup… twitter.com/i/web/status/1…	2021-06-30 10:30:26
/r/netcve	CVE-2021-34380	2021-06-30 10:41:16

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