

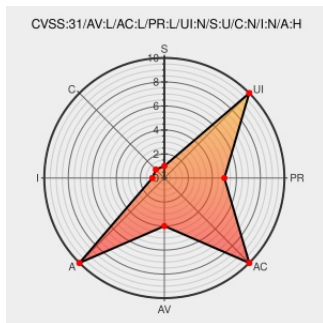


CVE-2021-41207

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CVE-2021-41207 - advisory for GHSA-7v94-64hj-m82h

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

Certain versions of [Tensorflow](#) from [Google](#) contain the following vulnerability:

TensorFlow is an open source platform for machine learning. In affected versions the implementation of `ParallelConcat` misses some input validation and can produce a division by 0. The fix will be included in TensorFlow 2.7.0. We will also cherry-pick this commit on TensorFlow 2.6.1, TensorFlow 2.5.2, and TensorFlow 2.4.4, as these are also affected and still in supported range.

CVE-2021-41207 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as **MEDIUM** severity.

Affected Vendor/Software: tensorflow - tensorflow version $\geq 2.6.0$, $< 2.6.1$

Affected Vendor/Software: tensorflow - tensorflow version $\geq 2.5.0$, $< 2.5.2$

Affected Vendor/Software: tensorflow - tensorflow version $< 2.4.4$

CVSS3 Score: **5.5 - MEDIUM**

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

CVSS2 Score: **2.1 - LOW**

Access Vector	Access Complexity	Authentication
LOCAL	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
NONE	NONE	PARTIAL

CVE References

Description	Tags	Link
Adding more validation checks to <code>_ParallelConcatUpdate</code> to avoid NPE. · tensorflow/tensorflow@f2c3931 · GitHub	github.com text/html	 MISC github.com/tensorflow/tensorflow/commit/f2c3931113eaafe9ef558faadd48e00a6606235
FPE in <code>`ParallelConcat`</code> · Advisory · tensorflow/tensorflow · GitHub	github.com text/html	 CONFIRM github.com/tensorflow/tensorflow/security/advisories/GHSA-7v94-64hj-m82h

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Related QID Numbers

[980173](#) Python (pip) Security Update for tensorflow (GHSA-7v94-64hj-m82h)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Google	Tensorflow	All	All	All	All
Application	Google	Tensorflow	2.7.0	rc0	All	All
Application	Google	Tensorflow	2.7.0	rc1	All	All
cpe:2.3:a:google:tensorflow:*:*:*:*:*:						
cpe:2.3:a:google:tensorflow:2.7.0:rc0:*:*:*:*:						
cpe:2.3:a:google:tensorflow:2.7.0:rc1:*:*:*:*:						

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
 @CVEreport	CVE-2021-41207 : TensorFlow is an open source platform for machine learning. In affected versions the implementatio... twitter.com/i/web/status/1...	2021-11-05 22:00:14

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