



CVE-2022-36013

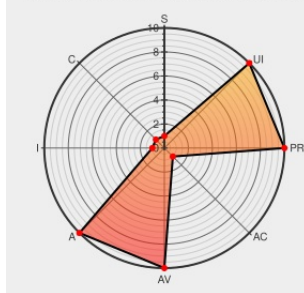
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CVE-2022-36013 - advisory for GHSA-828c-5j5q-vrjq

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

CVSS:31/AV:N/AC:H/PR:N/UI:N/S:U/C:N/I:N/A:H



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

TensorFlow is an open source platform for machine learning. When ``mlir::tf::GraphDefImporter::ConvertNodeDef`` tries to convert NodeDefs without an op name, it crashes. We have patched the issue in GitHub commit [a0f0b9a21c9270930457095092f558fbad4c03e5](#). The fix will be included in TensorFlow 2.10.0. We will also cherrypick this commit on TensorFlow 2.9.1, TensorFlow 2.8.1, and TensorFlow 2.7.2, as these are also affected and still in supported range. There are no known workarounds for this issue.

CVE-2022-36013 has been assigned by [security-advisories@github.com](#) to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: [tensorflow](#) - **tensorflow** version < 2.7.2

Affected Vendor/Software: [tensorflow](#) - **tensorflow** version >= 2.8.0, < 2.8.1

Affected Vendor/Software: [tensorflow](#) - **tensorflow** version >= 2.9.0, < 2.9.1

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

CVE References

Description	Tags	Link
[TF] NodeDefs without an op name are invalid, return error on import · tensorflow/tensorflow@a0f0b9a · GitHub	github.com text/html	MISC github.com/tensorflow/tensorflow/commit/a0f0b9a21c9270930457095092f558fbad4c03e5
Null-dereference in	github.com	CONFIRM github.com/tensorflow/tensorflow/security/advisories/GHSA-828c-5j5q-vrjq

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)						
Type	Vendor	Product	Version	Update	Edition	Language
Application	Google	Tensorflow	All	All	All	All
Application	Google	Tensorflow	2.10	rc0	All	All
Application	Google	Tensorflow	2.10	rc1	All	All
Application	Google	Tensorflow	2.10	rc2	All	All
Application	Google	Tensorflow	2.10	rc3	All	All
cpe:2.3:a:google:tensorflow:*:*:*:*:*:						
cpe:2.3:a:google:tensorflow:2.10:rc0:*:*:*:*:						
cpe:2.3:a:google:tensorflow:2.10:rc1:*:*:*:*:						
cpe:2.3:a:google:tensorflow:2.10:rc2:*:*:*:*:						
cpe:2.3:a:google:tensorflow:2.10:rc3:*:*:*:*:						

No vendor comments have been submitted for this CVE

Social Mentions		
Source	Title	Posted (UTC)
@CVEreport	CVE-2022-36013 : TensorFlow is an open source platform for machine learning. When <code>`mlir::tfg::GraphDefImporter::Con...</code> twitter.com/i/web/status/1...	2022-09-16 22:37:42
/r/netcve	CVE-2022-36013	2022-09-16 23:39:01

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