



CVE-2020-15212

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF](#)

Summary

CVE	CVE-2020-15212
State	PUBLIC
Assigner	security-advisories@github.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2020-09-25 19:15:00 UTC
Updated	2021-08-17 13:21:00 UTC
Description	In TensorFlow Lite before versions 2.2.1 and 2.3.1, models using segment sum can trigger writes outside of bounds of heap memory.

Risk And Classification

Problem Types: CWE-787

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Google	Tensorflow	All	All	All	All
Application	Tensorflow	Tensorflow	All	All	All	All
Application	Tensorflow	Tensorflow	All	All	All	All

References

Reference	Source	Link	Tags
Out of bounds access in TFLite implementation of segment sum · Advisory · tensorflow/tensorflow · GitHub	CONFIRM	github.com	Exploit
[tflite] Validate segment ids for segment_sum. · tensorflow/tensorflow@204945b · GitHub	MISC	github.com	Patch
Release TensorFlow 2.3.1 · tensorflow/tensorflow · GitHub	MISC	github.com	Threat
CVE Program record	CVE.ORG	www.cve.org	Canonical
NVD vulnerability detail	NVD	nvd.nist.gov	Canonical

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[981461](#) Python (pip) Security Update for tensorflow (GHSA-hx2x-85gr-wrpq)

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