



CVE-2022-21727

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Summary

CVE	CVE-2022-21727
State	PUBLIC
Assigner	security-advisories@github.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2022-02-03 11:15:00 UTC
Updated	2022-02-08 20:14:00 UTC
Description	Tensorflow is an Open Source Machine Learning Framework. The implementation of shape inference for `Dequantize` is vulnerable to integer overflow in the shape inference function.

Risk And Classification

Problem Types: CWE-190

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Google	Tensorflow	2.7.0	All	All	All
Application	Google	Tensorflow	All	All	All	All
Application	Google	Tensorflow	All	All	All	All

References

Reference	Source	Link
Integer overflow in shape inference for `Dequantize` · Advisory · tensorflow/tensorflow · GitHub	CONFIRM	github.com
tensorflow/array_ops.cc at 5100e359aef5c8021f2e71c7b986420b85ce7b3d · tensorflow/tensorflow · GitHub	MISC	github.com
Fix Integer overflow error in Dequantize op shape function, by adding... · tensorflow/tensorflow@b64638e · GitHub	MISC	github.com
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.

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