



CVE-2021-37677

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

Summary

CVE	CVE-2021-37677
State	PUBLIC
Assigner	security-advisories@github.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2021-08-12 23:15:00 UTC
Updated	2023-06-26 19:19:00 UTC
Description	TensorFlow is an end-to-end open source platform for machine learning. In affected versions the shape inference code for `Dequantize` · Advisory · tensorflow/tensorflow · GitHub

Risk And Classification

Problem Types: CWE-1284

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Google	Tensorflow	All	All	All	All
Application	Google	Tensorflow	2.5.0	All	All	All
Application	Google	Tensorflow	2.6.0	rc0	All	All
Application	Google	Tensorflow	2.6.0	rc1	All	All
Application	Google	Tensorflow	2.6.0	rc2	All	All

References

Reference	Source	Link	Tags
Missing validation in shape inference for `Dequantize` · Advisory · tensorflow/tensorflow · GitHub	CONFIRM	github.com	
Fix a shape inference issue leading to nullptr deref. · tensorflow/tensorflow@da857cf · GitHub	MISC	github.com	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, and

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[981546](#) Python (pip) Security Update for tensorflow-gpu (GHSA-qfpc-5pjr-mh26)

© [CVE.report](#) 2026 |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

Free CVE JSON API [cve.report/api](#)

CVE.report and Source URL Uptime Status [status.cve.report](#)