



# CVE-2021-41221

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

## Summary

|                        |                                                                                                                           |
|------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>CVE</b>             | CVE-2021-41221                                                                                                            |
| <b>State</b>           | PUBLIC                                                                                                                    |
| <b>Assigner</b>        | security-advisories@github.com                                                                                            |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback                                                                              |
| <b>Published</b>       | 2021-11-05 23:15:00 UTC                                                                                                   |
| <b>Updated</b>         | 2021-11-10 13:19:00 UTC                                                                                                   |
| <b>Description</b>     | TensorFlow is an open source platform for machine learning. In affected versions the shape inference code for the `Cudnn* |

## Risk And Classification

**Problem Types:** CWE-787

## NVD Known Affected Configurations (CPE 2.3)

| Type        | Vendor                 | Product                    | Version | Update | Edition | Language |
|-------------|------------------------|----------------------------|---------|--------|---------|----------|
| Application | <a href="#">Google</a> | <a href="#">Tensorflow</a> | All     | All    | All     | All      |
| Application | <a href="#">Google</a> | <a href="#">Tensorflow</a> | 2.7.0   | rc0    | All     | All      |
| Application | <a href="#">Google</a> | <a href="#">Tensorflow</a> | 2.7.0   | rc1    | All     | All      |

## References

| Reference                                                                                                   | Source  | Link                         |
|-------------------------------------------------------------------------------------------------------------|---------|------------------------------|
| Fix access to undefined memory during shape inference of Cudnn*. · tensorflow/tensorflow@af5fceb · GitHub   | MISC    | <a href="#">github.com</a>   |
| Access to invalid memory during shape inference in `Cudnn*` ops · Advisory · tensorflow/tensorflow · GitHub | CONFIRM | <a href="#">github.com</a>   |
| CVE Program record                                                                                          | CVE.ORG | <a href="#">www.cve.org</a>  |
| NVD vulnerability detail                                                                                    | NVD     | <a href="#">nvd.nist.gov</a> |

No vendor comments have been submitted for this CVE.

## Legacy QID Mappings

980186 Python (pip) Security Update for tensorflow-gpu (GHSA-cqv6-3phm-hcwx)

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