



# CVE-2020-15214

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

## Summary

|                        |                                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>CVE</b>             | CVE-2020-15214                                                                                                             |
| <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>       | 2020-09-25 19:15:00 UTC                                                                                                    |
| <b>Updated</b>         | 2021-08-17 13:21:00 UTC                                                                                                    |
| <b>Description</b>     | In TensorFlow Lite before versions 2.2.1 and 2.3.1, models using segment sum can trigger a write out bounds / segmentation |

## 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="#">Tensorflow</a> | <a href="#">Tensorflow</a> | All     | All    | All     | All      |
| Application | <a href="#">Tensorflow</a> | <a href="#">Tensorflow</a> | All     | All    | All     | All      |

## References

| Reference                                                                                               | Source  | Link                         | Tags  |
|---------------------------------------------------------------------------------------------------------|---------|------------------------------|-------|
| [tflite] Validate segment ids for segment_sum. · tensorflow/tensorflow@204945b · GitHub                 | MISC    | <a href="#">github.com</a>   | Patch |
| Release TensorFlow 2.3.1 · tensorflow/tensorflow · GitHub                                               | MISC    | <a href="#">github.com</a>   | Third |
| Out of bounds write in TFLite implementation of segment sum · Advisory · tensorflow/tensorflow · GitHub | CONFIRM | <a href="#">github.com</a>   | Explo |
| CVE Program record                                                                                      | CVE.ORG | <a href="#">www.cve.org</a>  | canon |
| NVD vulnerability detail                                                                                | NVD     | <a href="#">nvd.nist.gov</a> | canon |

No vendor comments have been submitted for this CVE.

## Legacy QID Mappings

[981462](#) Python (pip) Security Update for tensorflow (GHSA-p2cq-cprg-frvm)

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