



# CVE-2020-15211

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

## Summary

|                        |                                                                                                                                |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>CVE</b>             | CVE-2020-15211                                                                                                                 |
| <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>         | 2021-09-16 15:45:00 UTC                                                                                                        |
| <b>Description</b>     | In TensorFlow Lite before versions 1.15.4, 2.0.3, 2.1.2, 2.2.1 and 2.3.1, saved models in the flatbuffer format use a double i |

## Risk And Classification

**Problem Types:** CWE-125 | 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      |
| Operating System | <a href="#">Opensuse</a>   | <a href="#">Leap</a>       | 15.2    | 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                               |
|---------------------------------------------------------------------------------------------------------|---------|------------------------------------|
| Out of bounds access in TFLite operators · Advisory · tensorflow/tensorflow · GitHub                    | CONFIRM | <a href="#">github.com</a>         |
| [tflite] Test for `kTfLiteOptionalTensor` in `GetInput`. · tensorflow/tensorflow@46d5b08 · GitHub       | MISC    | <a href="#">github.com</a>         |
| [tflite] Make `GetOptionalInputTensor` the same as `GetInput`. · tensorflow/tensorflow@0030278 · GitHub | MISC    | <a href="#">github.com</a>         |
| [tflite]: Insert `nullptr` checks when obtaining tensors. · tensorflow/tensorflow@1970c21 · GitHub      | MISC    | <a href="#">github.com</a>         |
| [tflite]: Insert `nullptr` checks when obtaining tensors. · tensorflow/tensorflow@cd31fd0 · GitHub      | MISC    | <a href="#">github.com</a>         |
| Release TensorFlow 2.3.1 · tensorflow/tensorflow · GitHub                                               | MISC    | <a href="#">github.com</a>         |
| [security-announce] openSUSE-SU-2020:1766-1: moderate: Security update f                                | SUSE    | <a href="#">lists.opensuse.org</a> |
| [tflite]: Insert `nullptr` checks when obtaining tensors. · tensorflow/tensorflow@e11f555 · GitHub      | MISC    | <a href="#">github.com</a>         |
| [tflite]: Insert `nullptr` checks when obtaining tensors. · tensorflow/tensorflow@fff2c83 · GitHub      | MISC    | <a href="#">github.com</a>         |
| CVE Program record                                                                                      | CVE.ORG | <a href="#">www.cve.org</a>        |

No vendor comments have been submitted for this CVE.

### Legacy QID Mappings

981464 Python (pip) Security Update for tensorflow (GHSA-cvpc-8pjh-8f45)

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