


# Stack overflow in `ParseAttrValue` with nested tensors

Low

mihairmaruseac published GHSA-qw5h-7f53-xrp6 on May 12, 2021

Package

 Stack overflow in `ParseAttrValue` with nested tensors (pip)

Affected versions

< 2.5.0

Patched versions

2.1.4, 2.2.3, 2.3.3, 2.4.2

Description

Impact

The implementation of `ParseAttrValue` can be tricked into stack overflow due to recursion by giving in a specially crafted input.

Patches

We have patched the issue in GitHub commit [e07e1c3d26492c06f078c7e5bf2d138043e199c1](#).

The fix will be included in TensorFlow 2.5.0. We will also cherrypick this commit on TensorFlow 2.4.2, TensorFlow 2.3.3, TensorFlow 2.2.3 and TensorFlow 2.1.4, as these are also affected and still in supported range.

For more information

Please consult [our security guide](#) for more information regarding the security model and how to contact us with issues and questions.

Severity

Low

CVE ID

CVE-2021-29615

Weaknesses

No CWEs