

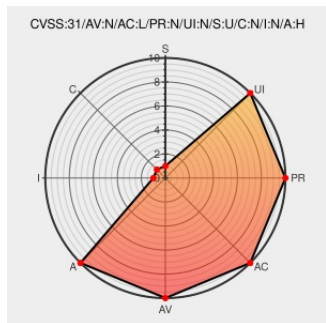


CVE-2020-15203

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CVE-2020-15203 - advisory for GHSA-xmq7-7fxm-rr79

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#)

Certain versions of [Tensorflow](#) from [Google](#) contain the following vulnerability:

In Tensorflow before versions 1.15.4, 2.0.3, 2.1.2, 2.2.1 and 2.3.1, by controlling the `fill` argument of `tf.strings.as_string`, a malicious attacker is able to trigger a format string vulnerability due to the way the internal format use in a `printf` call is constructed. This may result in segmentation fault. The issue is patched in commit

33be22c65d86256e682666662e40dbdfe70ee83, and is released in TensorFlow versions 1.15.4, 2.0.3, 2.1.2, 2.2.1, or 2.3.1.

CVE-2020-15203 has been assigned by [security-advisories@github.com](#) to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: [tensorflow](#) - **tensorflow** version < 1.15.4

Affected Vendor/Software: [tensorflow](#) - **tensorflow** version >= 2.0.0, < 2.0.3

Affected Vendor/Software: [tensorflow](#) - **tensorflow** version >= 2.1.0, < 2.1.2

Affected Vendor/Software: [tensorflow](#) - **tensorflow** version >= 2.2.0, < 2.2.1

Affected Vendor/Software: [tensorflow](#) - **tensorflow** version >= 2.3.0, < 2.3.1

CVSS3 Score: **7.5 - HIGH**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	NONE	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	NONE	NONE	HIGH

CVSS2 Score: **5 - MEDIUM**

Access Vector	Access Complexity	Authentication

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
 @LinInfoSec	Tensorflow - CVE-2020-15203: github.com/tensorflow/ten...	2021-09-16 19:45:17

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