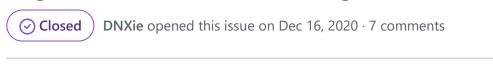


Segmentation fault in tf.histogram_fixed_width #45770



Labels comp:ops stat:awaiting t

stat:awaiting tensorflower TF 2.8 type:bug

DNXie commented on Dec 16, 2020

Please make sure that this is a bug. As per our GitHub Policy,

we only address code/doc bugs, performance issues, feature requests and build/installation issues on GitHub. tag:bug_template

System information

Assignees

- Have I written custom code (as opposed to using a stock example script provided in TensorFlow): No
- OS Platform and Distribution (e.g., Linux Ubuntu 16.04): Linux Ubuntu 18.04
- Mobile device (e.g. iPhone 8, Pixel 2, Samsung Galaxy) if the issue happens on mobile device: N/A
- TensorFlow installed from (source or binary): binary
- TensorFlow version (use command below):2.1.0
- Python version:3.7.6
- Bazel version (if compiling from source):N/A
- GCC/Compiler version (if compiling from source):N/A
- CUDA/cuDNN version:N/A
- GPU model and memory:N/A

Describe the current behavior

tf.histogram_fixed_width crashes (segmentation fault) when values contain nan

Describe the expected behavior

Expect no crash

Standalone code to reproduce the issue

```
import tensorflow as tf
import numpy as np
tf.histogram_fixed_width(values=np.nan, value_range=[1,2])
```

- DNXie added the type:bug label on Dec 16, 2020
- A google-ml-butler bot assigned Saduf2019 on Dec 16, 2020
- Ravikyram assigned ravikyram and unassigned Saduf2019 on Dec 16, 2020

ravikyram commented on Dec 16, 2020

Contributor

I have tried in colab with TF 2.3, nightly version(2.5.0-dev20201216) and was able to reproduce the issue.Please,find the gist here. Thanks!

- ravikyram added comp:ops TF 2.1 labels on Dec 16, 2020
- R ravikyram assigned ymodak and unassigned ravikyram on Dec 16, 2020
- ymodak added the stat:awaiting tensorflower label on Dec 17, 2020

mihaimaruseac commented on Dec 27, 2020

Collaborator

Does this also reproduce with TF 2.4?

ravikyram commented on Dec 27, 2020

Contributor

@mihaimaruseac

I have tried in colab with TF 2.4 and i was able to reproduce the issue. Please, find the gist here. Thanks!



tensorflowbutler removed the stat:awaiting tensorflower label on Dec 29, 2020

rushabh-v commented on Jan 1, 2021

Contributor

Looks like values don't expect nan values. Should I open a PR that raises an error if there are nan in values ?

ymodak commented on Jan 6, 2021 • edited ▼

Contributor

I see that the example crashes if executed on cpu with TF 2.4 where as on gpu execution with TF 2.4 it passes with following output.

- ymodak added the stat:awaiting tensorflower label on Jan 6, 2021
- mihaimaruseac added the TF 2.5 label on Jun 8, 2021
- × tensorflow deleted a comment from saikumarchalla on Aug 19, 2021
- ymodak removed the TF 2.1 label on Aug 19, 2021

mohantym commented on Feb 17

Contributor

It is still replicating in CPU mode for TF 2.8.

- mohantym added TF 2.8 and removed TF 2.5 labels on Feb 17
- R mihaimaruseac assigned mihaimaruseac and unassigned ymodak on Apr 15
 - copybara-service (bot) closed this as completed in e57fd69 on Apr 20

google-ml-butler (bot) commented on Apr 20 Are you satisfied with the resolution of your issue? Yes No tensorflow-jenkins pushed a commit that referenced this issue on May 4 Prevent crash when histogram is called with NaN values. ... X 1338c29 tensorflow-jenkins pushed a commit that referenced this issue on May 4 Prevent crash when histogram is called with NaN values. ... X dcfd10a tensorflow-jenkins pushed a commit that referenced this issue on May 4 Prevent crash when histogram is called with NaN values. ... × 4527f85 tensorflow-jenkins pushed a commit that referenced this issue on May 4 Prevent crash when histogram is called with NaN values. ... X f37c07e Assignees mihaimaruseac Labels stat:awaiting tensorflower TF 2.8 type:bug comp:ops **Projects** None yet Milestone No milestone Development No branches or pull requests

8 participants













