

New issue

[Jump to bottom](#)

Segmentation fault in tf.histogram_fixed_width #45770

✓ Closed

DNXie opened this issue on Dec 16, 2020 · 7 comments

Assignees



Labels

comp:ops stat:awaiting tensorflow 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

- 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

  google-mi-butler  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

  ravikyram assigned **ymodak** and unassigned **ravikyram** on Dec 16, 2020

  ymodak added the **stat:awaiting tensorflow** label on Dec 17, 2020

mihairaruseac commented on Dec 27, 2020

Collaborator

Does this also reproduce with TF 2.4?

ravikyram commented on Dec 27, 2020

Contributor

@mihairaruseac

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 tensorflow** 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.

```
<tf.Tensor: shape=(100,), dtype=int32, numpy=
array([0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
       0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
       0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
       0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
       0, 0, 0, 0, 0, 0, 0, 0, 0, 0], dtype=int32)>
```

 **ymodak** added the `stat:awaiting tensorflow` label on Jan 6, 2021

 **mihairaruseac** 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

 **mihairaruseac** assigned **mihairaruseac** 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. ...

✗ 1338c29

 tensorflow-jenkins pushed a commit that referenced this issue on May 4



Prevent crash when histogram is called with NaN values. ...

✗ 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. ...

✗ f37c07e

Assignees



mihaimaruseac

Labels

comp:ops stat:awaiting tensorflow TF 2.8 type:bug

Projects

None yet

Milestone

No milestone

Development

No branches or pull requests

8 participants

