tensorflow / **tensorflow**

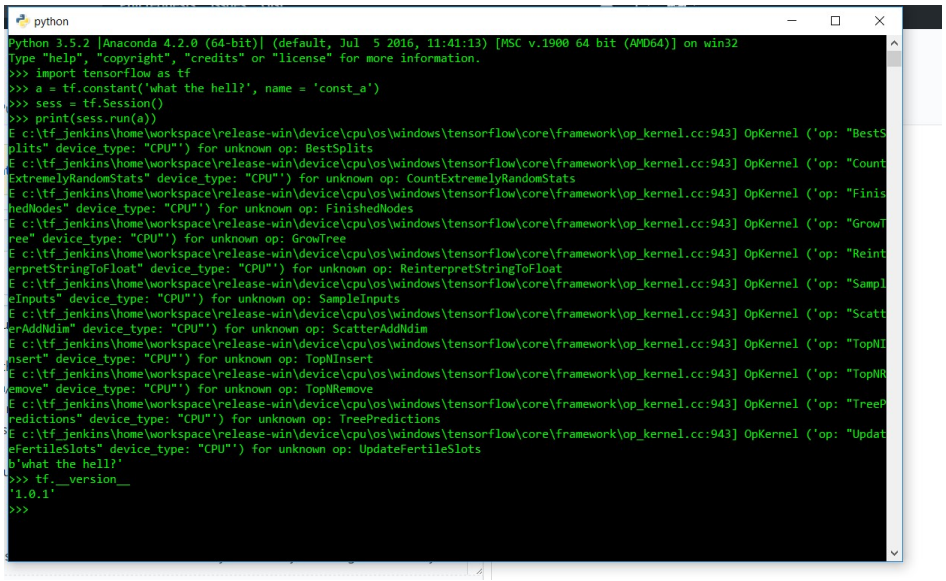
Error occurred in Tensorflow version 1.0.1 date: 26th March 2017. #8724

New issue

Closed **mrnameless123** opened this issue on Mar 26, 2017 · 18 comments

mrnameless123 commented on Mar 26, 2017

I just reinstalled Tensorflow on my laptop this morning and got this problem.
E c:\tf_jenkins\home\workspace\release-win\device\cpu\os\windows\tensorflow\core\framework\op_kernel.cc:943] OpKernel ('op: "BestSplits" device_type: "CPU"') for unknown op: BestSplits
E c:\tf_jenkins\home\workspace\release-win\device\cpu\os\windows\tensorflow\core\framework\op_kernel.cc:943] OpKernel ('op: "CountExtremelyRandomStats" device_type: "CPU"') for unknown op: CountExtremelyRandomStats
E c:\tf_jenkins\home\workspace\release-win\device\cpu\os\windows\tensorflow\core\framework\op_kernel.cc:943] OpKernel ('op: "FinishedNodes" device_type: "CPU"') for unknown op: FinishedNodes
E c:\tf_jenkins\home\workspace\release-win\device\cpu\os\windows\tensorflow\core\framework\op_kernel.cc:943] OpKernel ('op: "GrowTree" device_type: "CPU"') for unknown op: GrowTree
E c:\tf_jenkins\home\workspace\release-win\device\cpu\os\windows\tensorflow\core\framework\op_kernel.cc:943] OpKernel ('op: "ReinterpretStringToFloat" device_type: "CPU"') for unknown op: ReinterpretStringToFloat
E c:\tf_jenkins\home\workspace\release-win\device\cpu\os\windows\tensorflow\core\framework\op_kernel.cc:943] OpKernel ('op: "SampleInputs" device_type: "CPU"') for unknown op: SampleInputs
E c:\tf_jenkins\home\workspace\release-win\device\cpu\os\windows\tensorflow\core\framework\op_kernel.cc:943] OpKernel ('op: "ScatterAddNdim" device_type: "CPU"') for unknown op: ScatterAddNdim
E c:\tf_jenkins\home\workspace\release-win\device\cpu\os\windows\tensorflow\core\framework\op_kernel.cc:943] OpKernel ('op: "TopNInsert" device_type: "CPU"') for unknown op: TopNInsert
E c:\tf_jenkins\home\workspace\release-win\device\cpu\os\windows\tensorflow\core\framework\op_kernel.cc:943] OpKernel ('op: "TopNRemove" device_type: "CPU"') for unknown op: TopNRemove
E c:\tf_jenkins\home\workspace\release-win\device\cpu\os\windows\tensorflow\core\framework\op_kernel.cc:943] OpKernel ('op: "TreePredictions" device_type: "CPU"') for unknown op: TreePredictions
E c:\tf_jenkins\home\workspace\release-win\device\cpu\os\windows\tensorflow\core\framework\op_kernel.cc:943] OpKernel ('op: "UpdateFertileSlots" device_type: "CPU"') for unknown op: UpdateFertileSlots
b'what the hell?'



Carmezim commented on Mar 26, 2017

Assignees
No one assigned

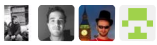
Labels
None yet

Projects
None yet

Milestone
No milestone

Notifications

4 participants



Contributor

Duplicate #7859

mrry commented on Mar 26, 2017 Contributor

This bug is fixed in the 1.1 release candidate. Please upgrade to that version or a nightly build (or else you can simply ignore the error messages, as they are harmless).

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 **mrry** closed this on Mar 26, 2017

Carmezim commented on Mar 26, 2017 Contributor

@mrry can I take the opportunity to ask you a question if you don't mind? I don't want to open an issue just for it.

I am having no luck with bazel (#8482) then I decided to build with CMake but the COMPILER_OPT_ARCH_NATIVE_SUPPORTED test fails even with the instructions available (gcc march=native shows them enabled, mavx, mfma, msse etc).
Would you have any tip on this?
Thanks!

mrry commented on Mar 26, 2017 Contributor

I think this test fails because MSVC doesn't support the exact `-march=native` option that we use for this in GCC. I suspect there are equivalent options for MSVC to enable these instructions (perhaps **@guschmue** knows them off-hand), and the most likely workaround would be to modify CMakeLists.txt to use those options explicitly.

Carmezim commented on Mar 27, 2017 Contributor

@mrry got it. Awesome, thank you! :)

Carmezim commented on Mar 27, 2017 • edited Contributor

@mrry I successfully built replacing `-march=native` for `/arch:[AVX2|FMA|SSE4.2|FPMATH|MMX]` specifically.

```
-- Building for: Visual Studio 14 2015
-- Performing Test COMPILER_OPT_ARCH_NATIVE_SUPPORTED
-- Performing Test COMPILER_OPT_ARCH_NATIVE_SUPPORTED - Success
```

I don't know the MSVC `-march=native` equivalent then as you pointed I added each option explicitly like above.

Should this be a side note on CMake docs?

Thank you again!

Reference: https://msdn.microsoft.com/en-us/library/jj620901.aspx

mrnameless123 commented on Mar 27, 2017 • edited

@mrry did version 1.1 release yet?
@Carmezim I have two laptops, one laptop works perfectly and no strange message(I installed it about 3 months ago) and the other which I just installed Tensorflow in it yesterday and these messages show up. both have the same version.

Carmezim added a commit to Carmezim/tensorflow that referenced this issue on Mar 27, 2017

 `Adding note about enabling optimization with MSVC` ··· `62e7ed0`

Carmezim added a commit to Carmezim/tensorflow that referenced this issue on Mar 27, 2017

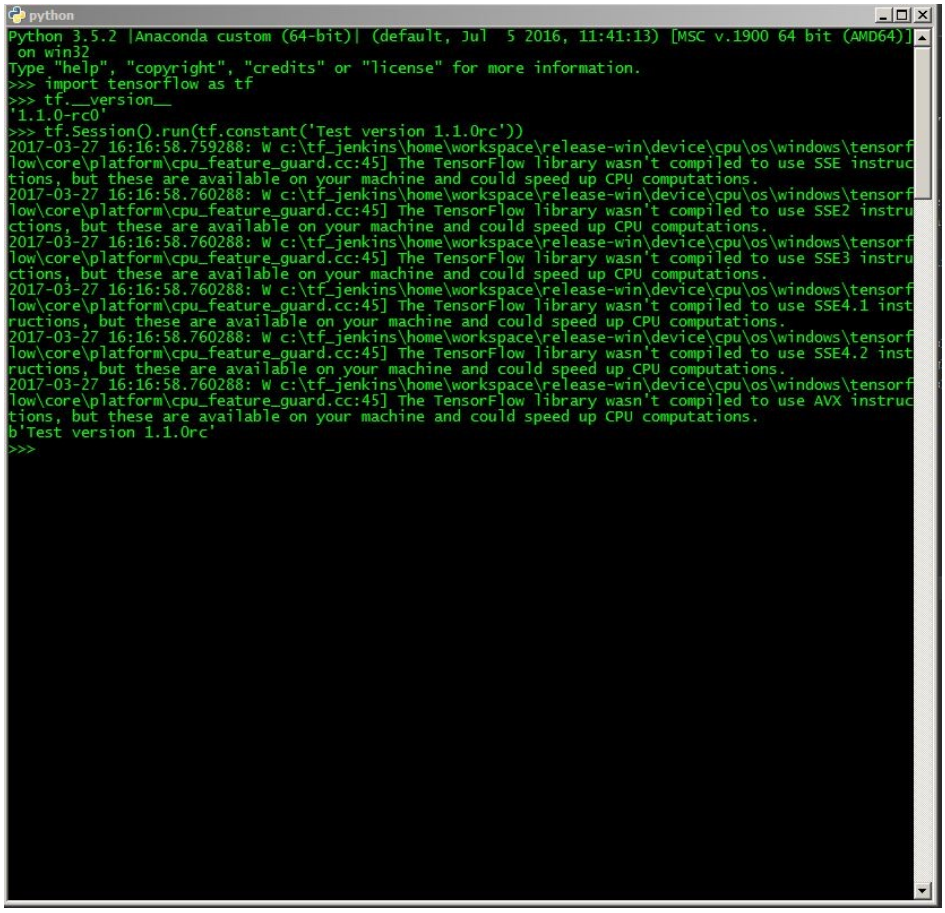
 `Note on enabling CPU optimization with MSVC` ··· `645a83e`

 **Carmezim** referenced this issue on Mar 27, 2017

[CMake] Enabling CPU optimization with MSVC #8737 Merged

mrnameless123 commented on Mar 27, 2017

@mrry. **@Carmezim** I updated to 1.1.0rc and the problem still not resolved. Here is screen capture of my current version



guschmue commented on Mar 27, 2017 • edited Contributor

I think its hard to get rid of the SSE/AVX message: if ci builds with, say avx2, the builds will not work on boxes that don't support avx2. If ci builds don't enable the highest instruction set, somebody will see the error messages. No easy way out other than building from source.
Should be the same on linux (just tried and see the same messages).
For some reason 1.1.0rc0 is on pypi but it does not seem to be the default download so you need to force it with:
pip install --upgrade tensorflow-gpu==1.1.0rc0

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Carmezim commented on Mar 27, 2017 Contributor

Oh, I am so sorry, I totally misread that.
You can set TensorFlow environment variable `TF_CPP_MIN_LOG_LEVEL` to 2 as follows:

```
import os
os.environ['TF_CPP_MIN_LOG_LEVEL']='2'
import tensorflow as tf
```

It will filter out WARNING logs.

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Carmezim commented on Mar 27, 2017 Contributor

@guschmue would you have any insight on using `/arch` with MSVC? It seems MSVC only accepts `AVX2` option and won't build with any other instruction, even gcc showing they are available. I think I might have set something wrong when I built above because now I cannot build it anymore setting the same way.

mrnameless123 commented on Mar 27, 2017

@guschmue thank you anyway, I did figure out the way to upgrade to 1.1.0rc0. but it doesn't help much with those Warning. I decided to wait.
@Carmezim thank you for your support

guschmue commented on Mar 28, 2017 • edited Contributor

I think /arch:avx and /arch:avx2 work, the later I used for builds. But /arch:avx2 compiles broke for the master some time ago ... can try to find time fix this (can't be much since it used to work).

Carmezim commented on Mar 28, 2017 Contributor

@guschmue Nice. AVX2 is at least configuring, didn't try to compile yet though as were trying to figure it out how to use the others.
So SSE and others really don't work with MSVC? Is there any workaround to compile using them as well, SSE, FMA etc with CMake?

guschmue commented on Mar 28, 2017 Contributor

https://msdn.microsoft.com/en-us/library/7t5yh4fd.aspx says SSE and SSE2 should work too but have not tried those.

Carmezim commented on Mar 28, 2017 • edited Contributor

@guschmue Well noted. I personally was trying for x64 arch but is good to know. Do you know if is possible to select GCC as the compiler by CMake and build with MSYS2 for instance with `-march=native` enabled or is it too much of a hack? I know other compilers like Intel's allow SSE4.2 for instance but MSVC is a bit limited. Thanks a lot!

guschmue commented on Mar 28, 2017 Contributor

not sure if you'd get gpu work with gcc on windows.

Carmezim commented on Mar 28, 2017 Contributor

oh yeah, but for CPU would work something like Cygwin to build right?

Carmezim referenced this issue on Apr 17, 2017

[Docs] Update wheels URLs to match latest TensorFlow release (1.1.0) #9273 Closed