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After building TensorFlow from source, seeing libcudart.so and libcudnn errors

I'm building TensorFlow from source code. The build appears to succeed; however, when my TensorFlow program invokes `import tensorflow`, one or both of the following errors appear:

- `ImportError: libcudart.so.8.0: cannot open shared object file: No such file or directory`
- `ImportError: libcudnn.5: cannot open shared object file: No such file or directory`

tensorflow

asked Feb 2 at 22:14

Barry Rosenberg
599   4   6   15

CudNN very likely to be missing or not properly linked – Arturo Aug 17 at 18:19

9 Answers

First, for the following error:

> ImportError: libcudart.so.8.0: cannot open shared object file: No such file or directory

make sure your `LD_LIBRARY_PATH` includes your `lib64` directory in whichever path you installed your cuda package in. You can do this by adding an `export` line in your `.bashrc`. For Omar, it looked like the following:

> I fixed this just adding the cuda path to my .bashrc
>
> > `export LD_LIBRARY_PATH=/usr/local/cuda/lib64/`

For me, I had to do Omar's line and also: `export LD_LIBRARY_PATH=/usr/local/cuda-8.0/lib64/` because I have two directories involving cuda (probably not the best).

Second, are you sure you installed cuDNN? Note that this is different from the regular cuda package. You will need to register, then download and install the package from the following page: https://developer.nvidia.com/cudnn

Third, I had this same problem:

> ImportError: libcudnn.5: cannot open shared object file: No such file or directory

It turns out there is no `libcudnn.5` in my `/usr/local/cuda/lib64` or `/usr/local/cuda-8.0/lib64` directories. However, I do have a `libcudnn.so.6.*` file. To solve the problem, I