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Build TensorFlow on Windows

July 13, 2017

Requirements:

1. GIT for Windows: https://git-scm.com/download/win
2. SWIG: https://sourceforge.net/projects/swig/files/swigwin/swigwin-3.0.10/
3. Visual Studio 2015: https://www.visualstudio.com/downloads/, https://www.visualstudio.com/vs/older-downloads/
4. CMake 3.4 or higher: https://cmake.org/download/
5. Python 3.5 Anaconda x64: https://repo.continuum.io/archive/Anaconda3-4.2.0-Windows-x86_64.exe
6. CUDA 8.0: https://developer.nvidia.com/cuda-downloads
7. cuDNN v5.1: https://developer.nvidia.com/cudnn

Instructions:

1. Install Cmake and add it to system path.
2. Install CUDA v8.0 (For GPU support only)
3. Extract cuDNN (For GPU Support only)
   - copy all files from bin folder to 'C:\Program Files\NVIDIA GPU Computing Toolkit\CUDA\v8.0\bin'
   - similarly from include to 'C:\Program Files\NVIDIA GPU Computing Toolkit\CUDA\v8.0\include'
   - and 'lib\x64' to "C:\Program Files\NVIDIA GPU Computing Toolkit\CUDA\v8.0\lib\x64'.
4. Install Anaconda in "C:\tools\", make sure you select Register Anaconda as system path for Python 3.5.
5. Extract SWIG in "C:\tools\" folder.
6. Open command window in the desired folder "D:\Downloads\tensorflow" (Shift+RightClick and Open Command Window here).
7. Enter the following commands

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