**General dependencies**

sudo yum install protobuf-devel leveldb-devel snappy-devel opencv-devel boost-devel hdf5-devel

**Remaining dependencies, recent OS**

sudo yum install gflags-devel glog-devel lmdb-devel

**Remaining dependencies, if not found**

# glog

wget https://google-glog.googlecode.com/files/glog-0.3.3.tar.gz

tar zxvf glog-0.3.3.tar.gz

cd glog-0.3.3

./configure

make && make install

# gflags

wget https://github.com/schuhschuh/gflags/archive/master.zip

unzip master.zip

cd gflags-master

mkdir build && cd build

export CXXFLAGS="-fPIC" && cmake .. && make VERBOSE=1

make && make install

# lmdb

git clone https://github.com/LMDB/lmdb

cd lmdb/libraries/liblmdb

make && make install

Note that glog does not compile with the most recent gflags version (2.1), so before that is resolved you will need to build with glog first.

**CUDA**: Install via the NVIDIA package instead of yum to be certain of the library and driver versions. Install the library and latest driver separately; the driver bundled with the library is usually out-of-date. + CentOS/RHEL/Fedora:

**BLAS**: install ATLAS by sudo yum install atlas-devel or install OpenBLAS or MKL for better CPU performance. For the Makefile build, uncomment and set BLAS\_LIB accordingly as ATLAS is usually installed under /usr/lib[64]/atlas).

**Python** (optional): if you use the default Python you will need to sudo yum install the python-devel package to have the Python headers for building the pycaffe wrapper.

Continue with [compilation](http://caffe.berkeleyvision.org/installation.html#compilation).