

miniHive

Setting up your own VM

1. Spin up the Cloudera Quickstart VM. First of all, you may want to change the keyboard layout. Next, you may want to set up a shared folder with your host OS, so that you can easily share data.

This is how I mounted my shared folder. You may have to adapt the paths.

VMWare:

```
cd ~
mkdir shares
sudo mount -t vmhgfs .host:/ ~/shares/
```

VirtualBox:

```
cd ~
mkdir shares
sudo mount -t vboxsf -o uid=$UID,gid=$UID sharedFolderName ~/shares
```

2. Open a terminal. You'll need a more modern Python version and some extra modules. This is what worked for me:

```
# Download Python 3.6
wget https://www.python.org/ftp/python/3.6.5/Python-3.6.5.tar.xz

xz -d Python-3.6.5.tar.xz
tar -xvf Python-3.6.5.tar

cd Python-3.6.5
./configure --prefix=/usr/local

# Let's build (compile) the source, this can take a while
make
sudo make altinstall
cd ..
sudo rm -rf Python*

# Install PIP
wget https://bootstrap.pypa.io/get-pip.py
sudo /usr/local/bin/python3.6 get-pip.py
rm -f get-pip.py

# Install further modules that we will need
sudo /usr/local/bin/python3.6 -m pip install luigi
sudo /usr/local/bin/python3.6 -m pip install sqlparse
sudo /usr/local/bin/python3.6 -m pip install radb
sudo /usr/local/bin/python3.6 -m pip install pytest
sudo /usr/local/bin/python3.6 -m pip install pytest-repeat
sudo /usr/local/bin/python3.6 -m pip uninstall -y antlr4-python3-runtime
sudo /usr/local/bin/python3.6 -m pip install antlr4-python3-runtime==4.7
```