

Steps to build TVM from scratch

1. 1st make sure you have python > 3.7.5 for my system 3.7.13 works.
2. create a folder in which you want to clone TVM source code
TVMwith3713 {my system}
3. create a virtual environment
 - ↳ `python3 -m venv 3.7.13`
 - ↳ `python -m .venv` / name of your virtual env
 - ↳ source .venv/bin/activate
4. After activating virtual environment from TVM website in terminal type
`git clone --recursive https://github.com/apache/tvm tvm`
↓
this will clone tvm
5. check your system requirements
 - GCC 7.1
 - Clang 5.0
 - Apple Clang 9.3
 - Visual Studio 2019 (v16.7)

sudo apt-get update

sudo apt-get install -y python3 python3-dev python3-setuptools

gcc libtinfo-dev zlib1g-dev build-essential cmake libedit-dev libxml2-dev

6. For llvm to set on
in `tvm/cmake/config`
set llvm on

for other things like cuda do as per your need

7. Build tvm
after making changes in config build TVM

8. cd tvm
mkdir build cp cmake/config.cmake build

9. Building of tvm is done now

Python Package Installation

1. Add python to path in `bashrc` file
in terminal write

`nano ~/.bashrc`

`export TVM_HOME=/path/to/tvm`

`export PYTHONPATH=$TVM_HOME/python:$`

`{PYTHONPATH}`

Building of TVM from source code is
done!