

# Tutorial Machine Setup and Bootstrap...

- Using the GridKA VMs:

- `ssh -X gks@[IP.ADDR] # -X enables X forwarding for a nicer editor`  
`# (you do need an X server on your laptop)`

- Editors available:

- Text based: `jed` (recommended), nano, emacs [-nw], vim
- Graphical: `atom` (recommended), geany, gedit

- Using Docker:

- `docker pull graemeastewart/cpp-concurrency-fedora`
- `docker run -it -v $HOME:/mnt graemeastewart/cpp-concurrency-fedora`
- It's recommended to use an editor on the host, but you can setup X forwarding and use atom (google it!)

- Using your laptop:

- Not officially supported, but it should work if you have a *modern* versions of a C++ compiler, Boost, TBB, CMake

```
$ git clone https://github.com/graeme-a-stewart/cpp-concurrency.git
$ cd cpp-concurrency; git submodule init; git submodule update # Get FindTBB
$ mkdir ../build && cd ../build
$ cmake ../cpp-concurrency
$ make -j4 && make test
```