> Wimpy-Nodes

IPs:

- 141.76.47.218 Controller
- 141.76.47.220-235

Directories:

- /home/gruppe<X>
  - NFS-mount on controller -> same on every machine
  - install your DB and code here, so it is available on all machines
- /media/localdisk/gruppe<X>
  - local 40GB SSD (roughly 20 GB free at the moment)
  - create your data directories here, so that nodes write/read on local disk

Until next week

- Install your DB
- Install your app
- Measure on one node first (same as on your machine)

As far as possible

- change your implementation so that it scales to multiple machines via partitioning
- If not easily possible, start with replication, and use replicas as read-slaves
- As always prepare some slides
  - about your measurements on the single Wimpy-Node
  - about your distribution strategy (or the distribution-features of your DB)

Gruppe	IPs
Cassandra	220, 221
CouchDB	222, 223
RethinkDB	224, 225
MongoDB	226, 227
FoundationDB	228, 229
Redis	230, 231

The firewall only allows acces via port 22

- If you need to access the Web-GUI of your DB, learn about SSH-tunneling

Some (optional) tips:

- Learn about password-less ssh (ssh-keygen + ssh-copy-id)
  - ssh-keygen
  - ssh-copy-id <user>@141.76.47.218
- Use some cluster management scripting tools, e.g. Fabric
  - @roles(„webservers“)
    def update_code():
    put(„x.py“)
    run(„killall gunicorn“)
    run(„gunicorn ....“)
- Or clusterssh (opens multiple syncronized ssh sessions)
  - cssh –l gruppe<X> cluster1
  - ~/.csshrc contains cluster definition