Template repo -

https://gitlab.cs.uni-saarland.de/mara00002/torch-condor-template

Fork the template repo and clone it.
 (Check steps in readme for ssh config)

VPN - https://www.hiz-saarland.de/dienste/vpn/einrichtung-vpn-client-windows

vpn.hiz-saarland.de (creds same as hiz e.g.abdc000)

Setup ssh key to access sci_cluster and git

How to Access Cluster -

• Cluster Login -

Username - neuronet_team050@conduit.cs.uni-saarland.de
Password - vBdelJm22jJYHuV

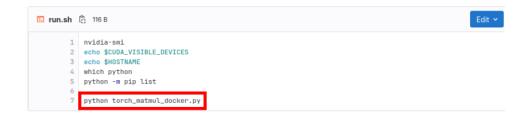
- ssh neuronet_team050@conduit.cs.uni-saarland.de
- Copy code from local to cluster -
 - scp -r code neuronet_team050@conduit.cs.uni-saarland.de:/home/neuronet_team050/torchcondor-template/

Conda Commands-

https://kingsx.cs.uni-saarland.de/index.php/s/ssmj33dxmgGsAYd

Submitting Scripts to the Cluster

Point run.sh to your script



Adjust run. sub for log file names

```
Trunsub & 6778

1 universe = docker
2 docker_image = ptytorch/pytorch:2.0.1-cuds11.7-cudnn8-runtine
3 # This uses the conda env
4 executable = conda_run.sh
6 environment = MOUDCT_NOOTSENV(FWD)

7 octput = logs/forch_mathwl.$(Clusterid).$(Procid).out
8 error = logs/forch_mathwl.$(Clusterid).$(Procid).err
9 log = logs/forch_mathwl.$(Clusterid).$(Procid).err
10 should_lremarer_ities = HS
11 shen.to_transfer_output = OH_EXIT
12 request_CPUs = 1
13 request_CPUs = 1
14 request_memory = 16
15 requirements = UidDomain == "cs.uni-saarland.de"
17 "#amafGFH/HomeMounted = true
18 queue 1
19 queue 1
```

This process triggers conda_run.sh, which in turn selects the Conda environment as specified in the environment.yml file, and subsequently executes the script defined in run.sh. To modify the Python script being executed, simply edit the last line in the run.sh file.

Commands -

- condor_submit run.sub
- condor_q (-analyze / -better)
- Check log files "exit code 0"
- Err files there shouldn't be any errors
- Output files to check the stdout statements
- Copy folder(torch-condor-template) to local machine -
 - scp -r <u>neuronet_team050@conduit.cs.uni-saarland.de</u>:/home/neuronet_team050/torch-condor-template .
- Create a zip with all the files in it (torch-condor-template)

FAQ -

https://wiki.cs.uni-saarland.de/en/HPC/fag

Note -

It is currently very tricky to run notebooks on the cluster, so please use **python scripts** instead. , your **zip** file must include all the necessary files to run your code on the cluster