**kinit -l 3d --forwardable congwang@NADA.KTH.SE**

klist -Tf / klist -f

**ssh -Y congwang@tegner.pdc.kth.se**

module add heimdal

klist -fT / klist -f

kdestroy

**scp ./localfile congwang@t04n28.pdc.kth.se:~/**

**scp congwang@t04n28.pdc.kth.se:~/file ./**

**/cfs/klemming/scratch/c/congwang**

**/cfs/klemming/nobackup/c/congwang**

(pdclogin; source ~/.bashrc; klemming)

**sbatch ./jobscript.sh** – submit a job

**scancel jobid** – remove a job from queue

**squeue** – information about jobs running and in the queue

* **sbatch ./jobscript.sh** – submit a job
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* **squeue** – information about jobs running and in the queue
* **squeue | grep congwang**
* **#SBATCH -J job\_name**- the job name is used to determine the name of job output and error files
* **#SBATCH -A project\_name** - the name of the project to be charged for this run. Note the name should not normally contain PDC or SNIC, so PDC-2015-1 is just 2015-1 and SNIC 2015/1-1 is just 2015-1-1
* **#SBATCH -t hh:mm:ss**- maximum job elapsed time should be indicated whenever possible: this allows slurm to determine best scheduling startegy.
* **#SBATCH -n n**- Number of processes (MPI ranks) that will be reserved for the given job. Each node supports up to 48 MPI processes with hyperthreading. It is recommended to use 24 cores per node though in most cases
* #**SBATCH --nodes=X**- Number of Nodes to reserve
* **#SBATCH --ntasks-per-node=X** - Set the number of tasks per node. The default is 48, to allow the use of hyperthreading. In most cases, using 24 (the number of physical cores) is better.
* **#SBATCH -e error\_file.e**- job error file
* **#SBATCH -o output\_file.o**- job output file
* **#SBATCH --mail-type=ALL** - request a mail when the job starts and ends