—---------- Job submission by script file—----------

Go to localuser
cd /root/surya

 # create .sh file on master
vi slurm_script.sh

```
#!/bin/bash
# Job name:
#SBATCH --job-name=test
#
# Account:
##SBATCH --account=account_name
#
# Partition:
#SBATCH --partition=small
#
# Request one node:
##SBATCH --nodes=1
#
# Specify one task:
##SBATCH --ntasks-per-node=1
#
# Number of processors for single task needed for use case (example):
#SBATCH --cpus-per-task=4
#
# Wall clock limit:
#SBATCH --time=00:01:00
#
## Command(s) to run (example):
#export OMP_NUM_THREADS=$SLURM_CPUS_PER_TASK
#./a.out
/bin/hostname
```

need to focus on -partition_name
- no of node
- Task assign per node

submit the job
sbatch slurm_script.sh

```
[root@master surya]# sbatch slurm_script.sh
Submitted batch job 2
```

check submitting job

squeue

```
[root@master surya]# squeue
             JOBID PARTITION     NAME     USER ST       TIME  NODES NODELIST(REASON)
                 1     small     test     root PD       0:00      1 (PartitionConfig)
                 2     small     test     root PD       0:00      1 (PartitionConfig)
                 3     small     test     root PD       0:00      1 (PartitionConfig)
```

cancel the running job

scancle ‘job_id’

```
[root@master surya]# scancel 2
[root@master surya]# squeue
             JOBID PARTITION     NAME     USER ST       TIME  NODES NODELIST(REASON)
                 1     small     test     root PD       0:00      1 (PartitionConfig)
                 3     small     test     root PD       0:00      1 (PartitionConfig)
```

mode. This is handled by setting **SlurmctldParameters=enable_configless** in slurm.conf and restarting slurmctld.

Once enabled, you must configure the slurmd to get its configs from the slurmctld. This can be accomplished either by launching slurmd with the **--conf-server** option, or by setting a DNS SRV record and ensuring there is no local configuration file on the compute node.

The **--conf-server** options takes precedence over the DNS record.

The command line option takes "$host[:$port]", so an example would look like:

```
slurmd --conf-server slurmctl-primary:6817
```

Specifying the port is optional and will default to 6817 if it is not