Very Brief Intro to Research Computing and Data Services at Tennessee Tech
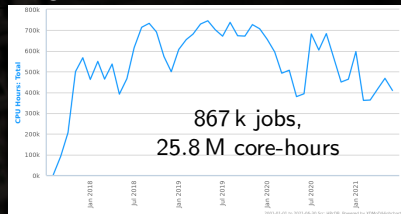
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- ▶ Clement 224
- ▶ www.hpc.tntech.edu

Hardware and software:

- ▶ 44 28-core compute servers, 8 GPUs (adding 10 128-core servers, 20 GPUs in Fall 2021)
- ▶ 64–896 GB RAM per server
- ▶ Red Hat and CentOS Linux
- ▶ Lots of installed applications (and you can add some of your own)

HPC usage since Fall 2017:

867 k jobs, 25.8 M core-hours

Research areas supported (so far):

- ▶ Molecular dynamics
- ▶ Computational fluid dynamics
- ▶ Artificial intelligence/machine learning
- ▶ Nuclear physics
- ▶ Genomics
- ▶ Environmental science
- ▶ Computational solid mechanics