## NSF/IUCRC CAC PROJECT

## MONITORING, VISUALIZING, AND PREDICTING HEALTH STATUS OF HPC CENTERS

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- Build-in REST API is not supported in current version (19.05), available in version 20.02
- Third-party SLURM REST API is available, and support retrieving info about users, history, queue, partitions, usage, nodes, stats etc.
- Have some difficulties installing Slurm-web on CentOS, but find a substitute tool that only serves REST API

## Demo

- Monitoring tool does NOT HAVE to use SLURM REST API, as long as it can interact with the accounting database and SLURM C API
- These can be done through SQLAlchemy and Pyslurm if monitoring tool is developed in Python

