MICHIGAN STATE UNIVERSITY

Alpha Presentation Simplifying High Performance Computing

The Capstone Experience

Team Michigan State University HPCC

Christian Luedtke
Zach Roush
Zhihan Wang
Matt Williams
Caleb Winner



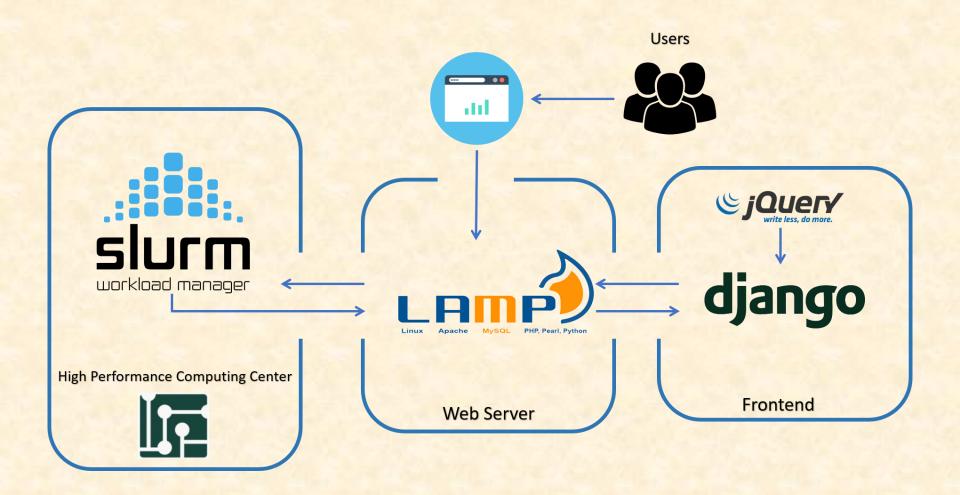
Department of Computer Science and Engineering
Michigan State University

Project Overview

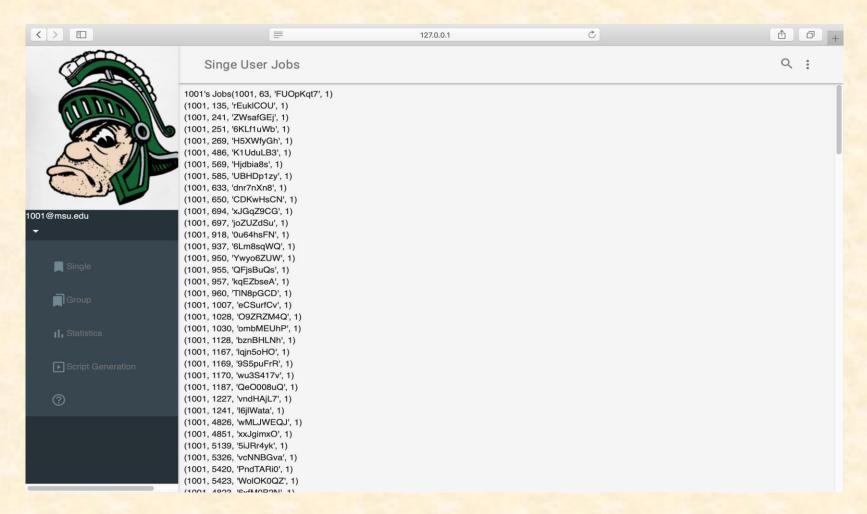
- Simplifies the Process of Using the HPCC
- Works Through a Simple Web App
- Provides Script Generation
- Job Monitoring
- Job Statistics
- Job Submission
- Etc...



System Architecture



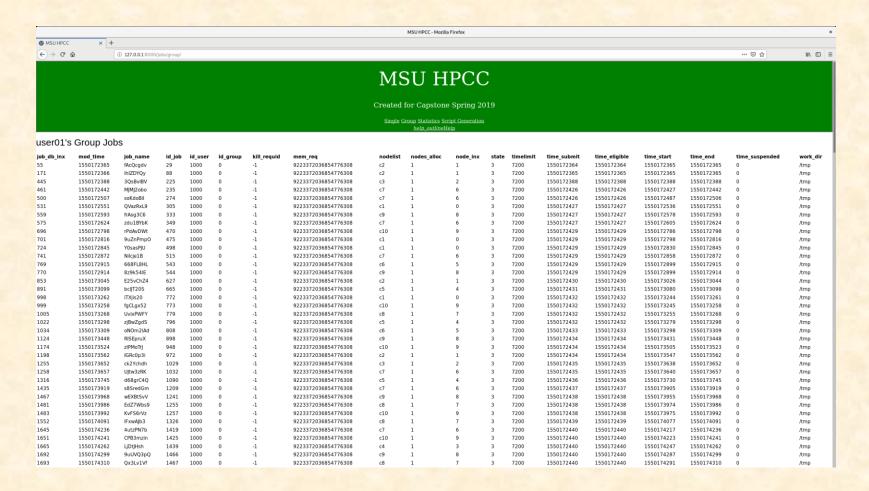
Single User Jobs





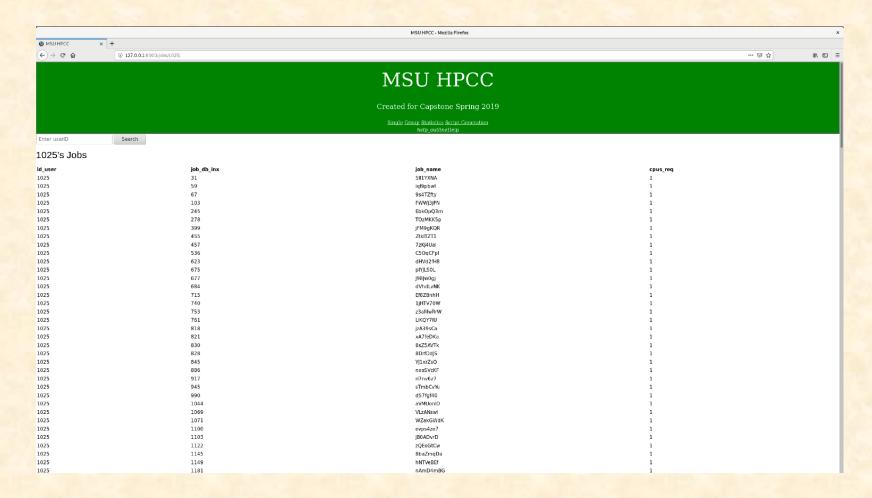
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Group User Jobs

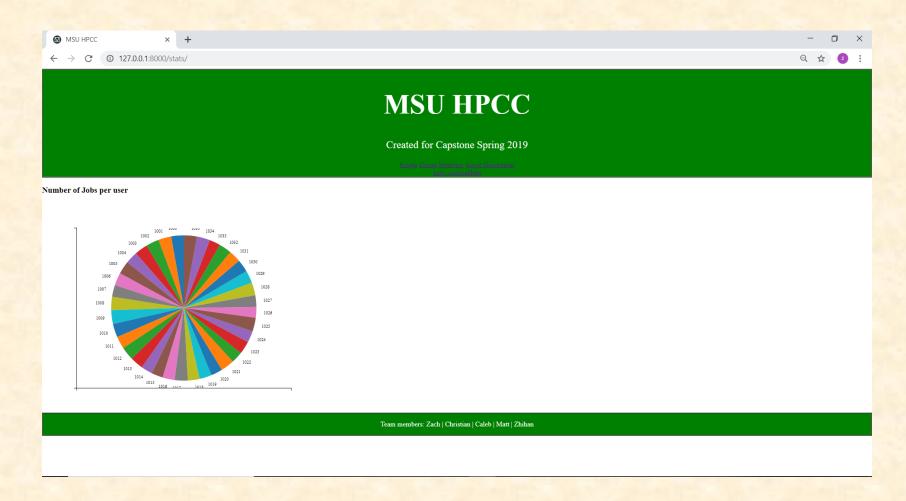




Admin Job Viewer

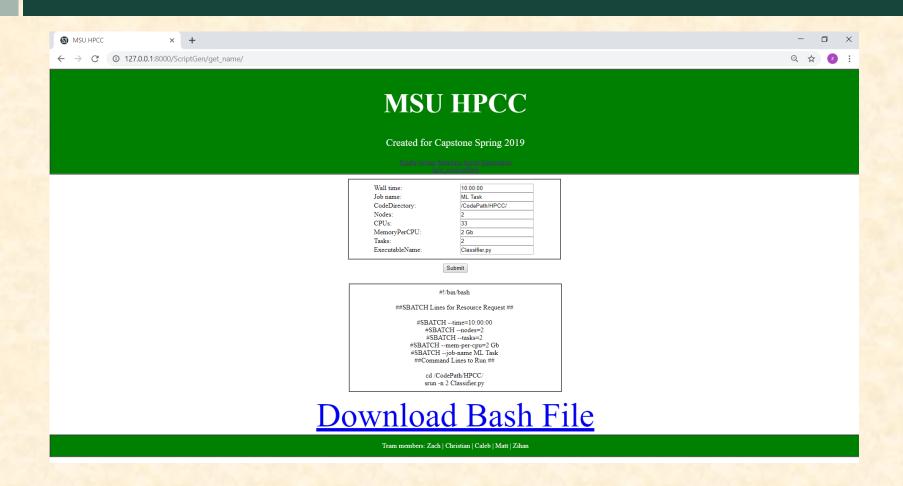


Statistics





Bash Script Generator

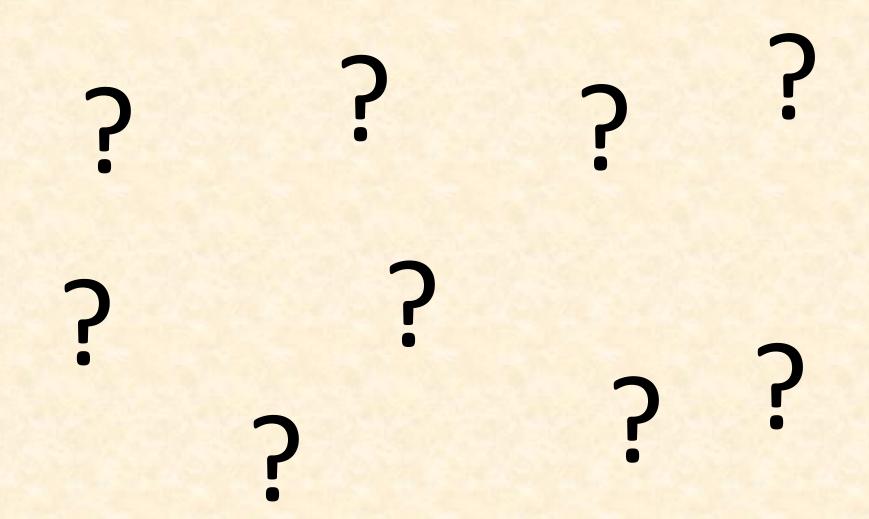


What's left to do?

- Connect SlurmDBD
- Create Admin Tools
- Add More Job Stats
- Implement Access Control
- Groups
- Job Submission
- Etc



Questions?





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