

CLAIX-2023 Performance Monitoring

VI-HPS Porting and Tuning Workshop (TW44) February 26, 2024

Christian Wassermann, Marc-André Hermanns





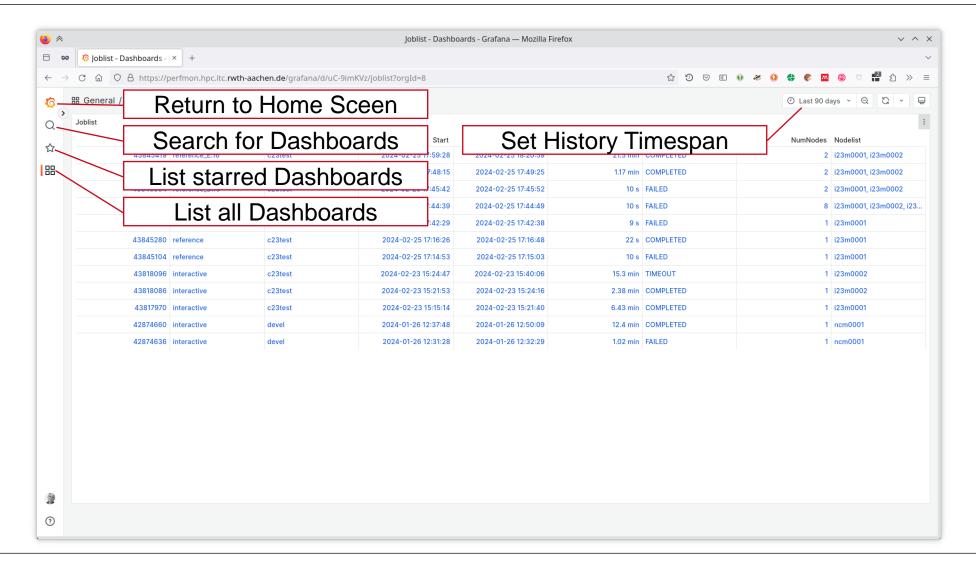
Job Monitoring Basics

- Job Monitoring is always on (if not explicitly disabled)
 - Sample measurements of basic metrics over time (Sampling & Tracing)
 - Sampled once per minute for 1 second
 - Must be disabled with #SBATCH --hwctr=papi for individual performance tool measurements
- Login via RWTH Single Sign-On
 - https://perfmon.hpc.itc.rwth-aachen.de/
- Visualization based on Grafana
 - Joblist
 List of all past and running jobs
 - Job Overview -- Details view of a single job





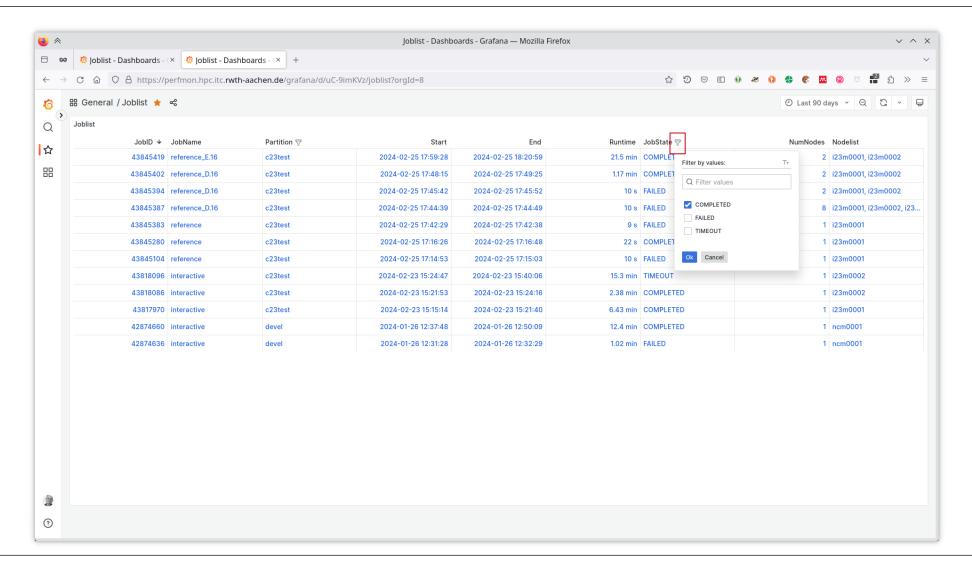
The Grafana Home Screen







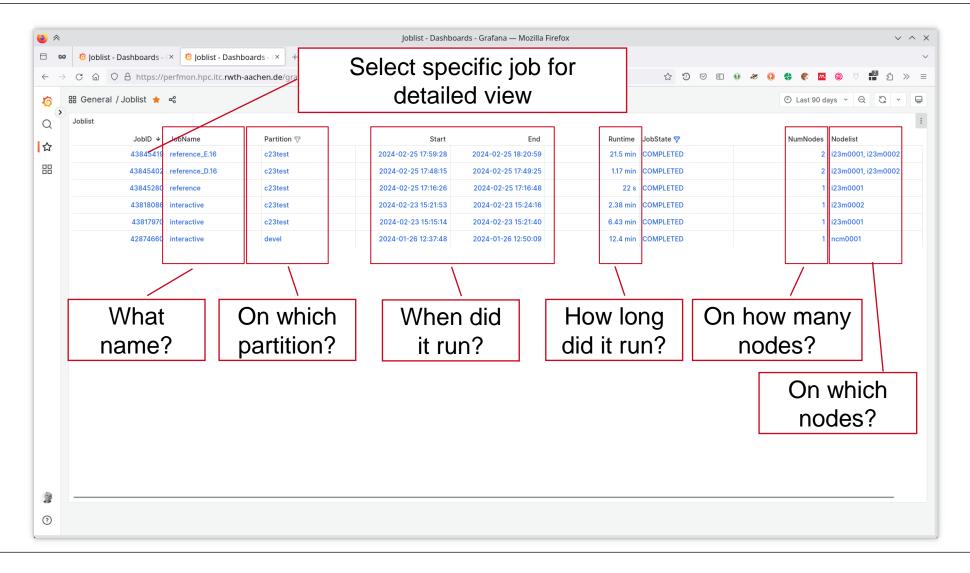
The Grafana Home Screen







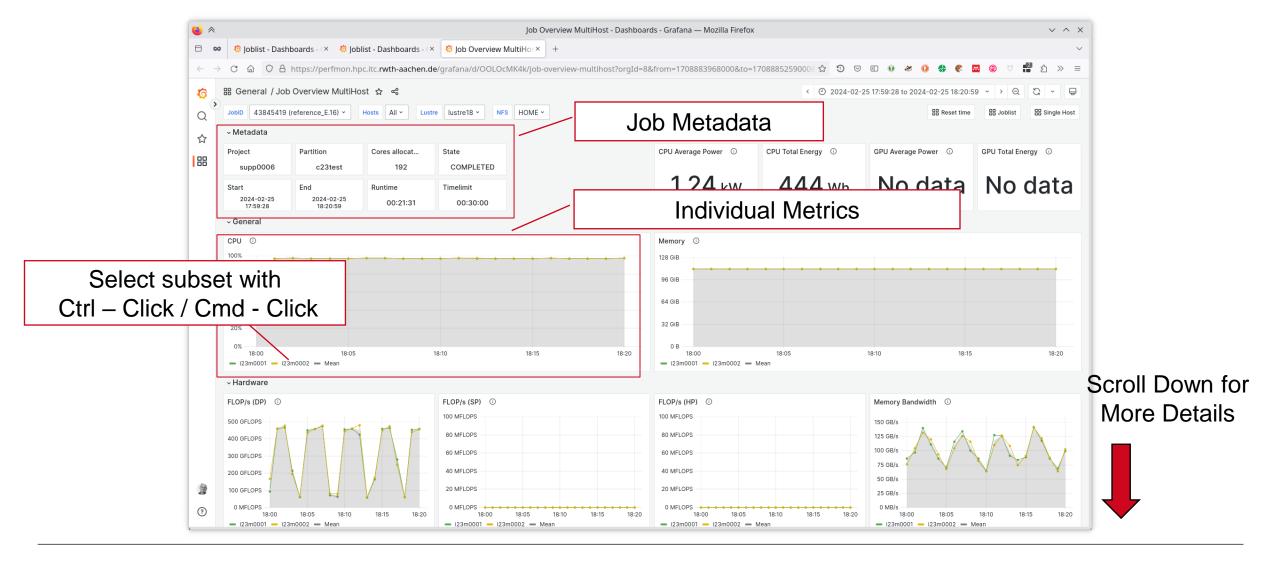
The Grafana Home Screen







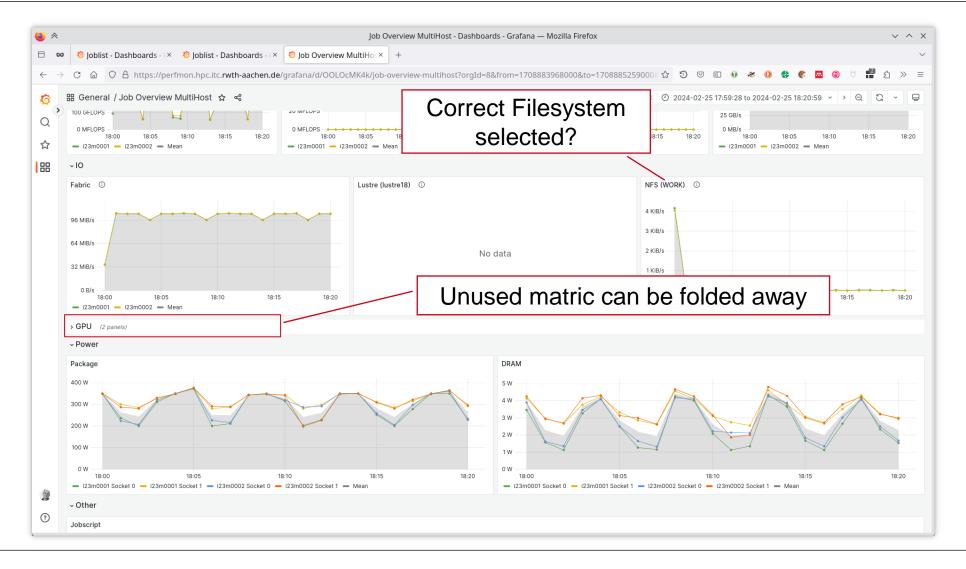
For HPC Group Members – Accessing the Admin Joblist







For HPC Group Members – Accessing the Admin Joblist







Live Demo





Thank you for your attention



