# Multi-VO Rucio Update

7th October 2022

Rucio Update

- Rucio instance almost fully running on K8S deployment and running 1.27(mostly) – Auth server last issue
- Working on S3 endpoints with FTS service manager at RAL and FTS devs
- IRIS-IAM / EGI Check-in integration was investigated, and a newer auth server was required – but groundwork is in place and understood how to implement
- Working on improved and more robust database architecture
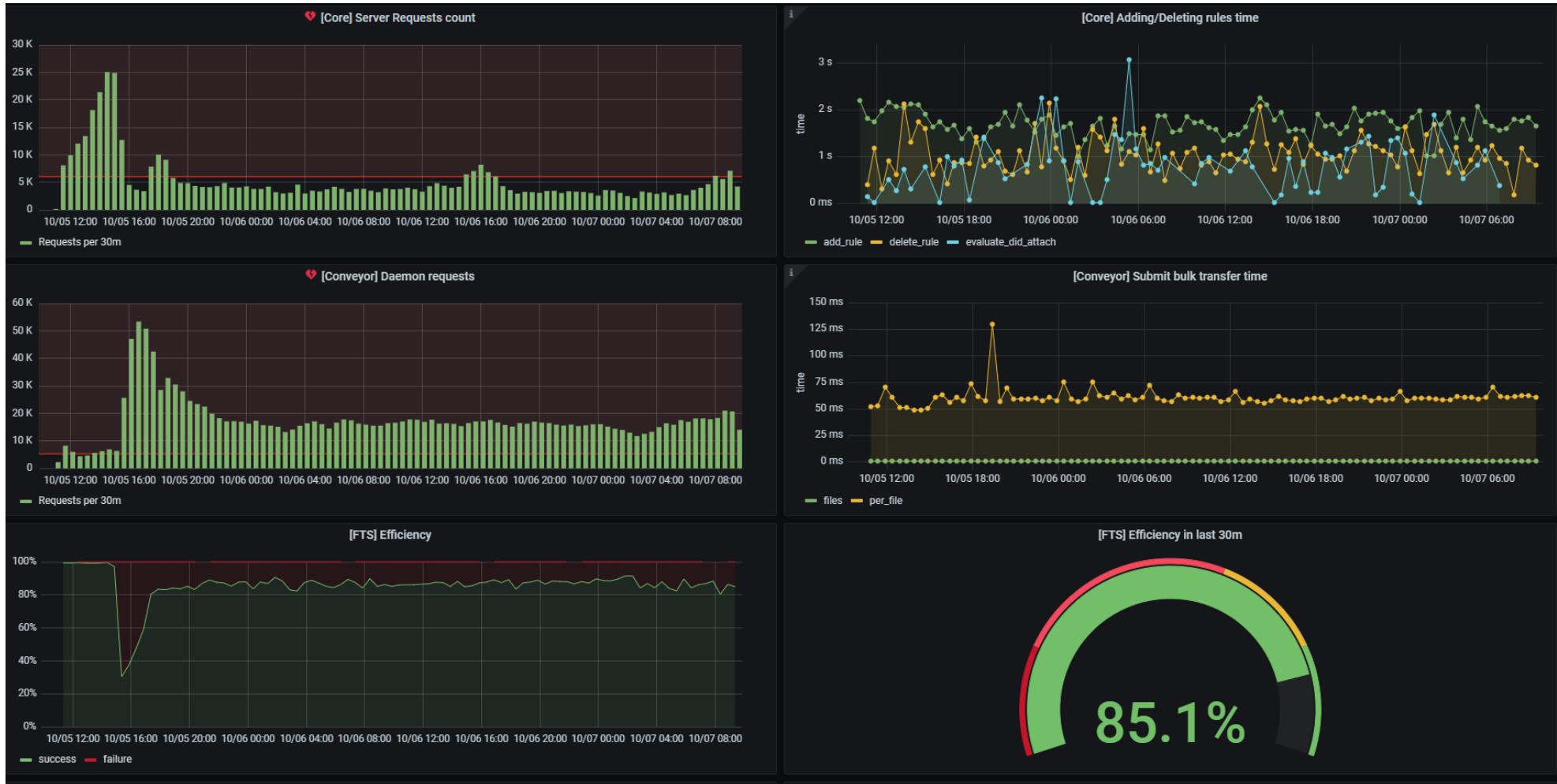- Implemented some Rucio monitoring

Rucio K8S Deployment
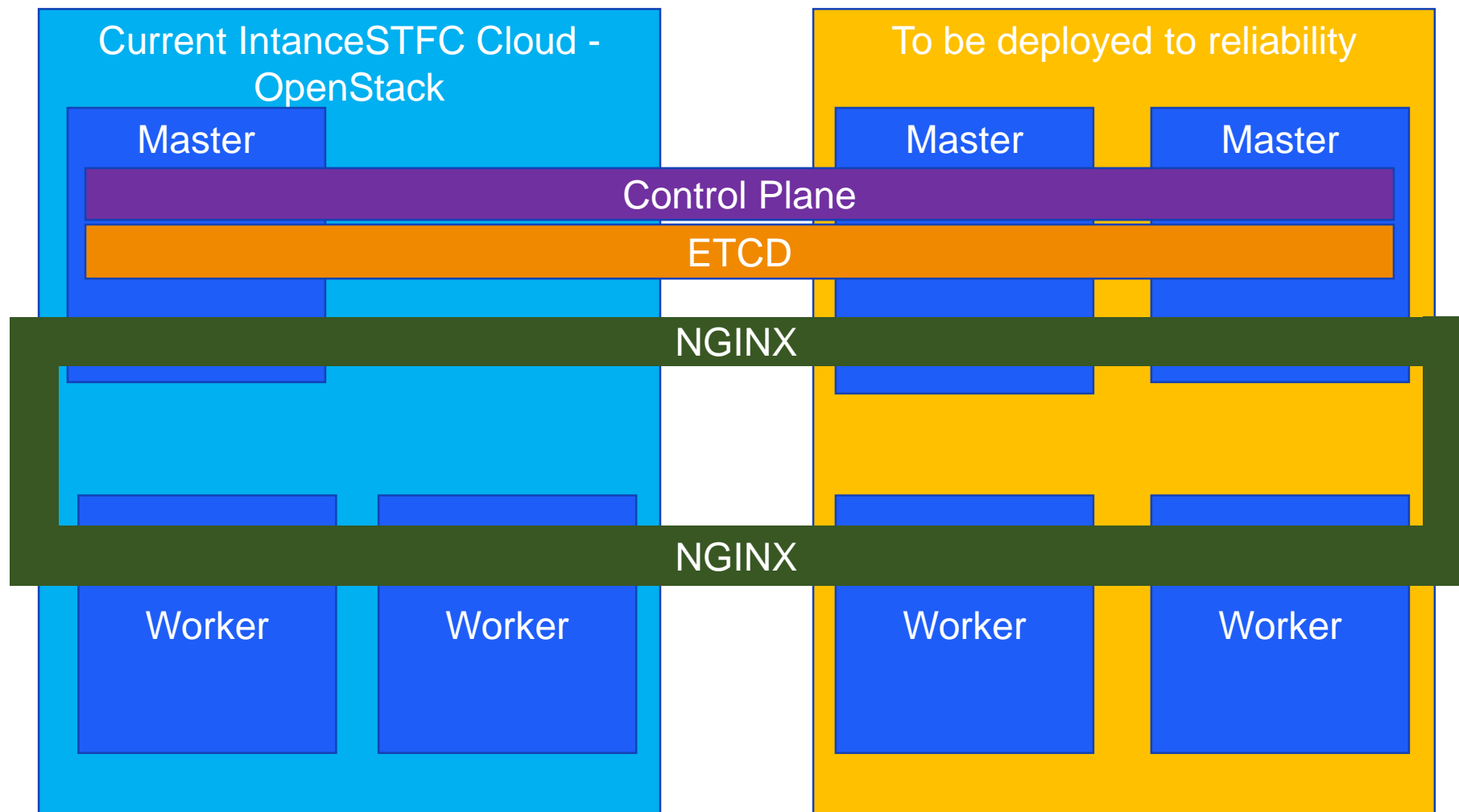
Cluster Monitoring
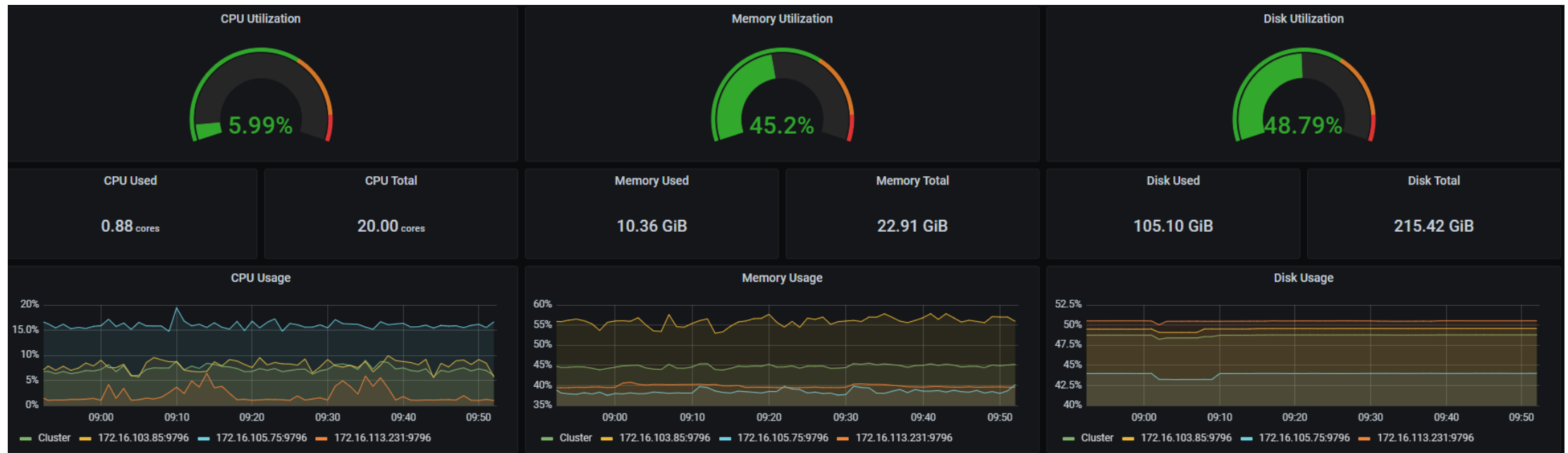
Rucio Internal monitoring

Rucio Dev and infrastructure future work

- Working on K8S cluster to make more robust

- Final Rucio component converted to K8S deployment
  - Once this is complete can begin upgrading to Rucio 1.29 from the current 1.27.X K8S deployment and 1.23.LTS VM deployment

- Convert some Rucio Cron-Jobs to be Multi-VO capable and deploy on K8S

- Graduate working on Rucio – Focus on WebUI to make it Multi-VO capable, and build pages

Collaboration Future work

- Continue working with FTS Service Owner and Devs to get S3 endpoint compatibility
  - FTS moving to latest version (python 3) which should allow for S3 endpoints
- Continue work on Multi-VO Token authentication
  - IAM
  - EGI-Check in
- DIRAC integration
  - SWIFT-HEP work for prototype data lake
  - EGI is very interested for the purpose of making it easier for users
- Various database improvements