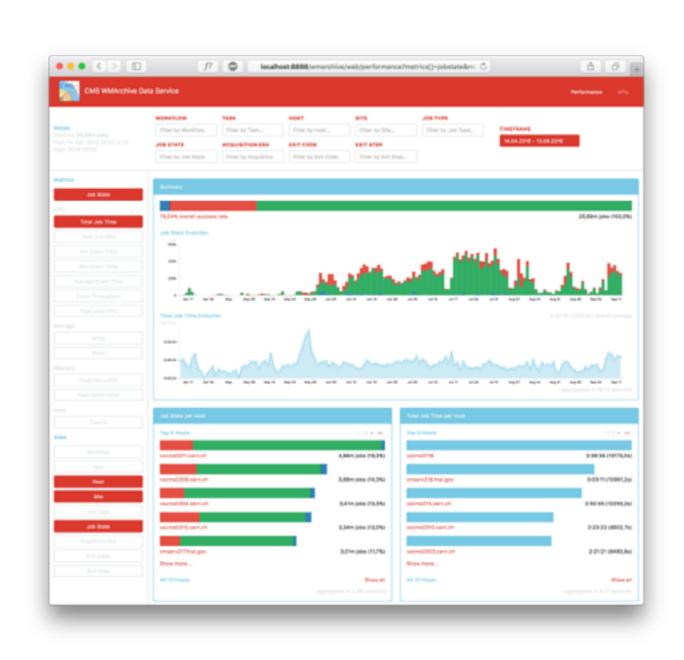
### **WMArchive**

## Performance Service



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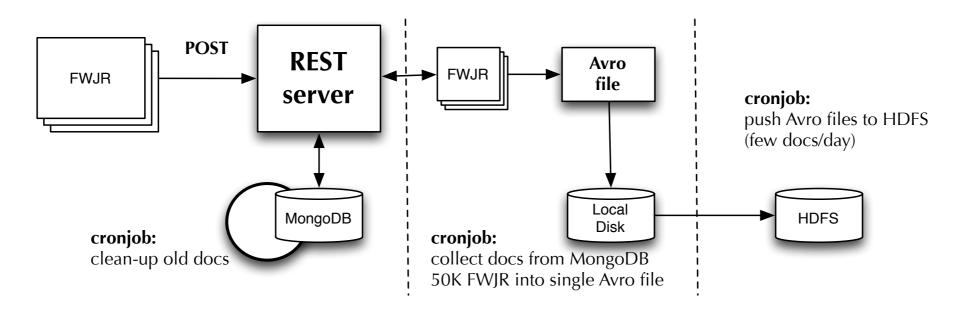
CERN Summer Student Programme 2016

Follow along at:

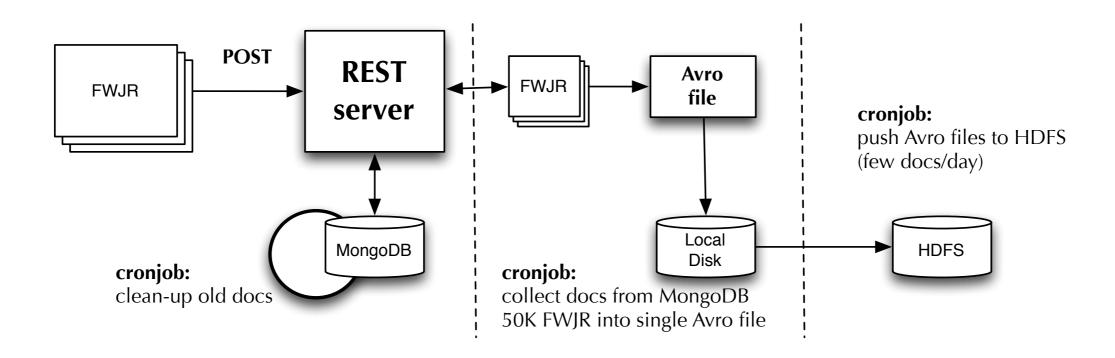
<a href="https://cmsweb-testbed.cern.ch/wmarchive/web/performance">https://cmsweb-testbed.cern.ch/wmarchive/web/performance</a>

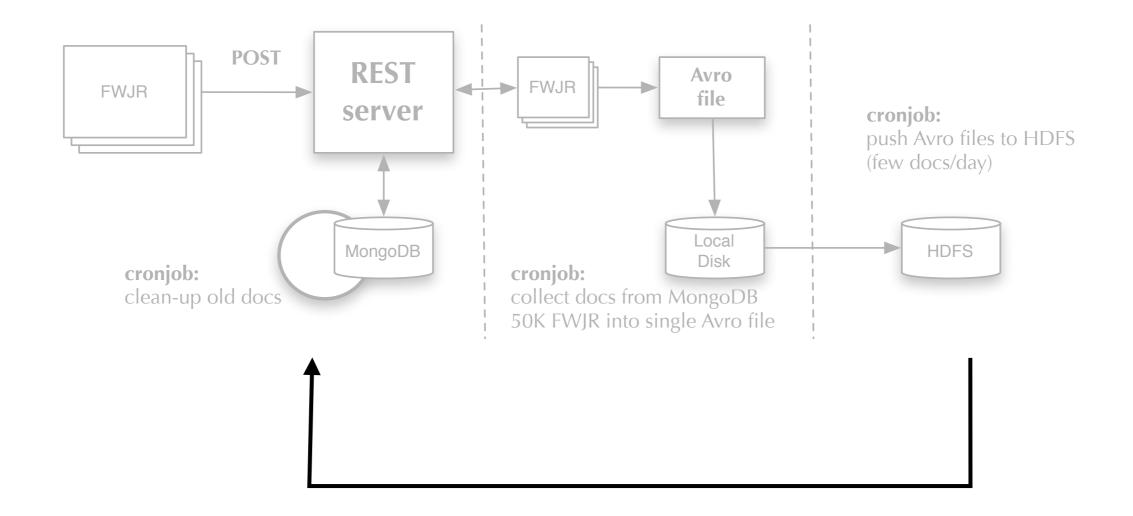
# Update on WMArchive

- CMS production agents store framework job reports (FWJRs) since June 2016
- RESTful interface accessible at https://cmsweb.cern.ch/wmarchive/data
- FWJRs stored in MongoDB buffer first and then migrated to HDFS for long-term storage



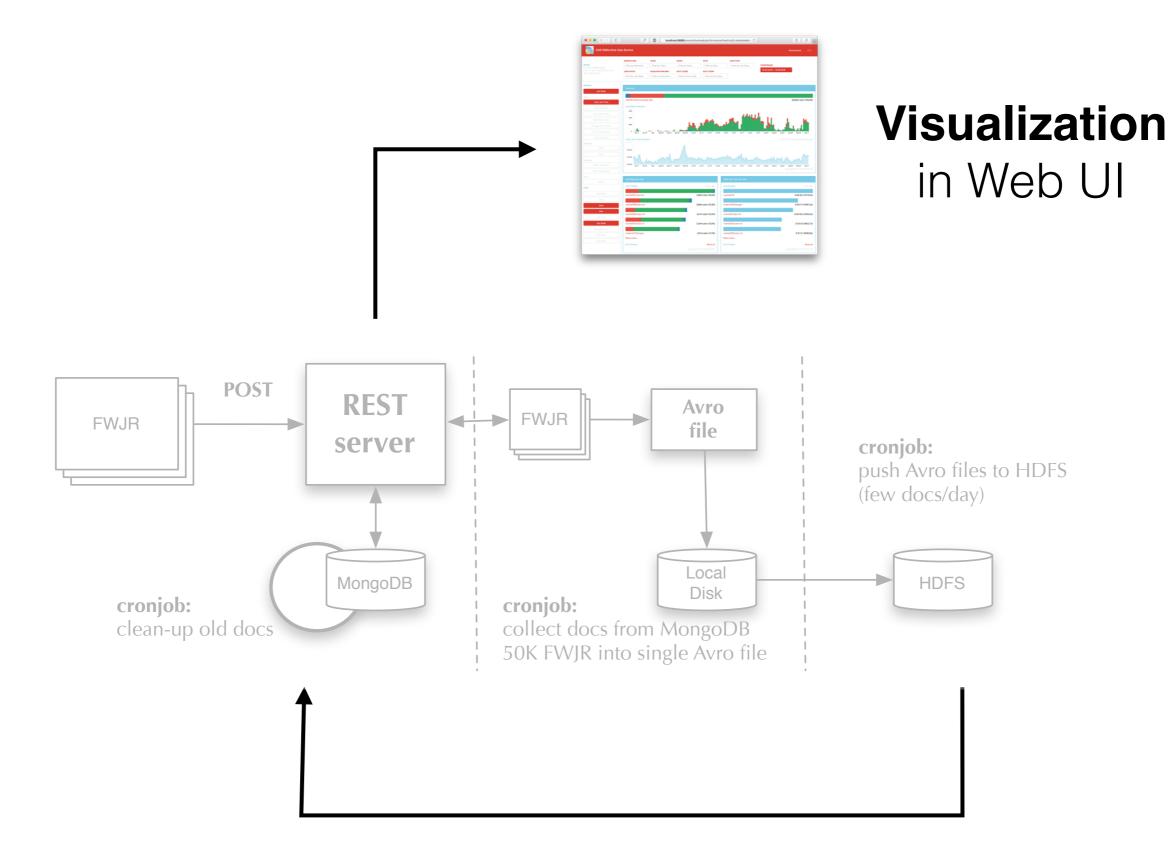
# WMArchive Performance Service



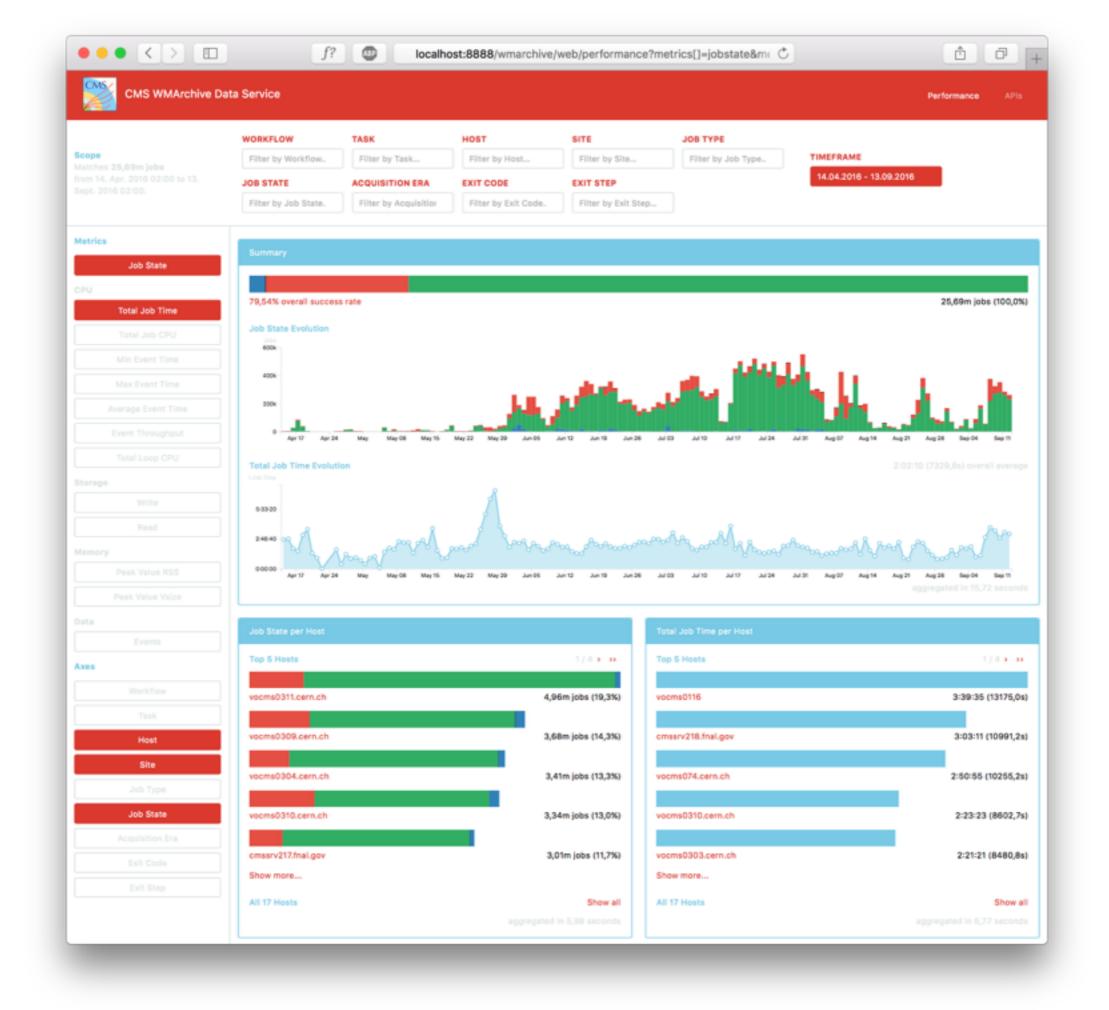


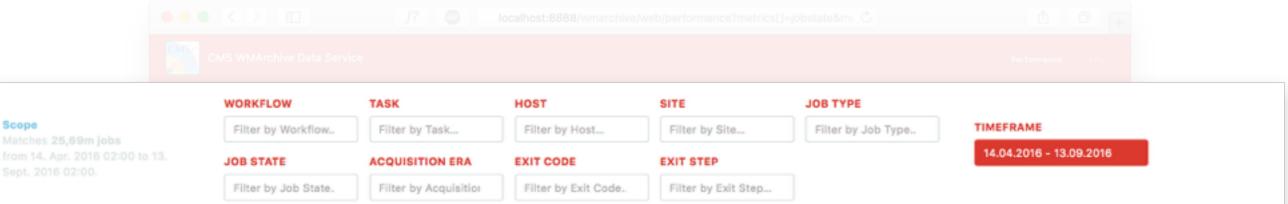
## **Aggregation** of performance metrics

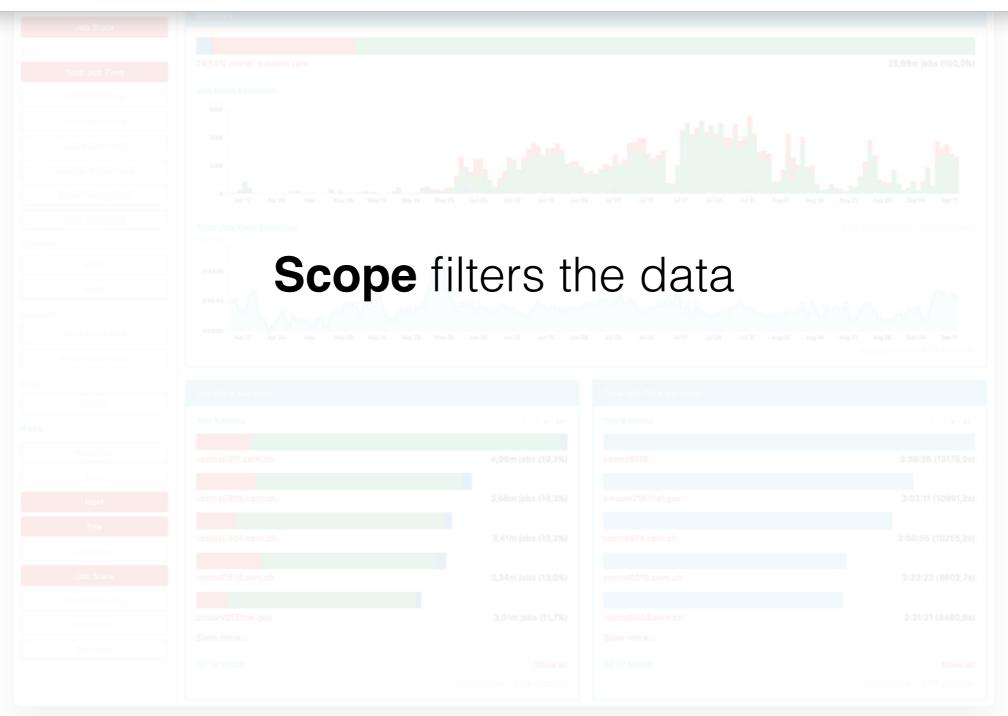
- daily spark scripts
- cache of aggregated performance data
- accessible by REST server



**Aggregation** of performance metrics





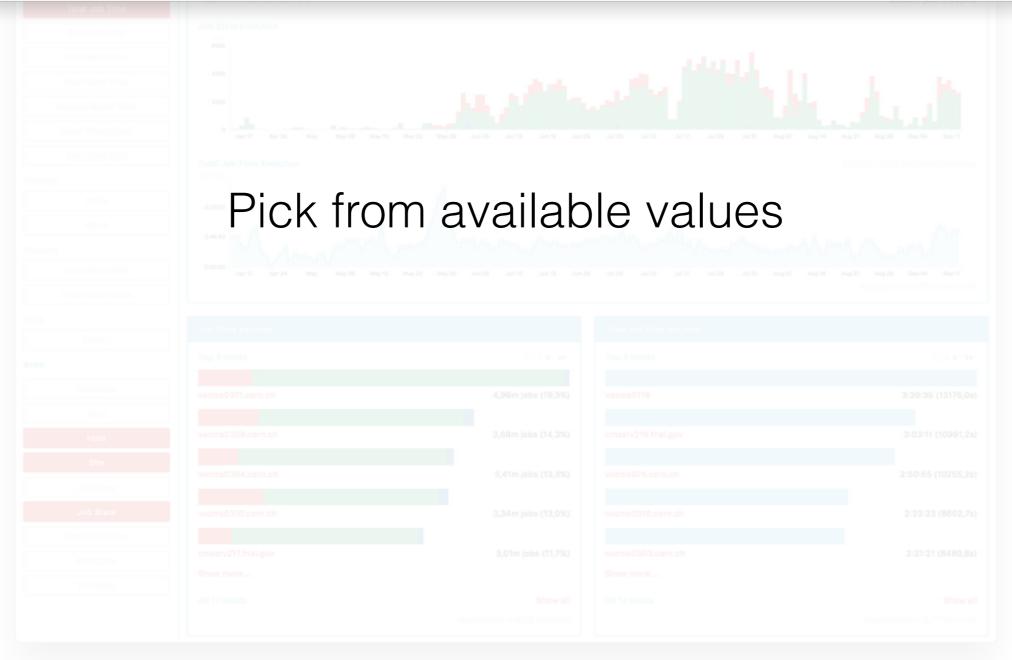




#### Scope filters the data



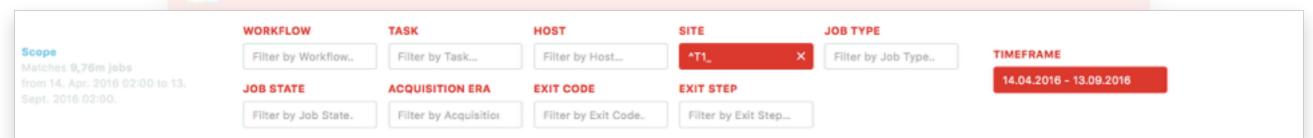
WORKFLOW TASK HOST SITE JOB TYPE Scope Filter by Site... Filter by Job Type.. TIMEFRAME Filter by Task... Filter by Workflow... Filter by Host... 14.04.2016 - 13.09.2016 cmssrv217.fnal.gov JOB STATE **ACQUISITION ERA** STEP cmssrv218.fnal.gov Filter by Job State. Filter by Acquisition r by Exit Step... cmssrv219.fnal.gov vocms0126.cern.ch vocms0231.cern.ch

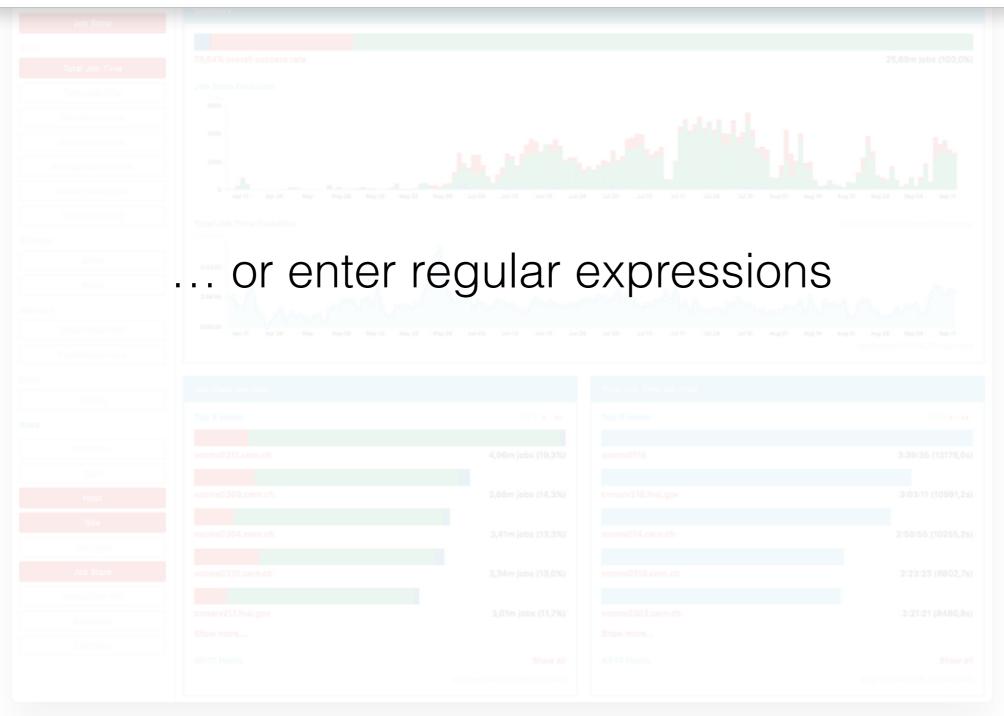


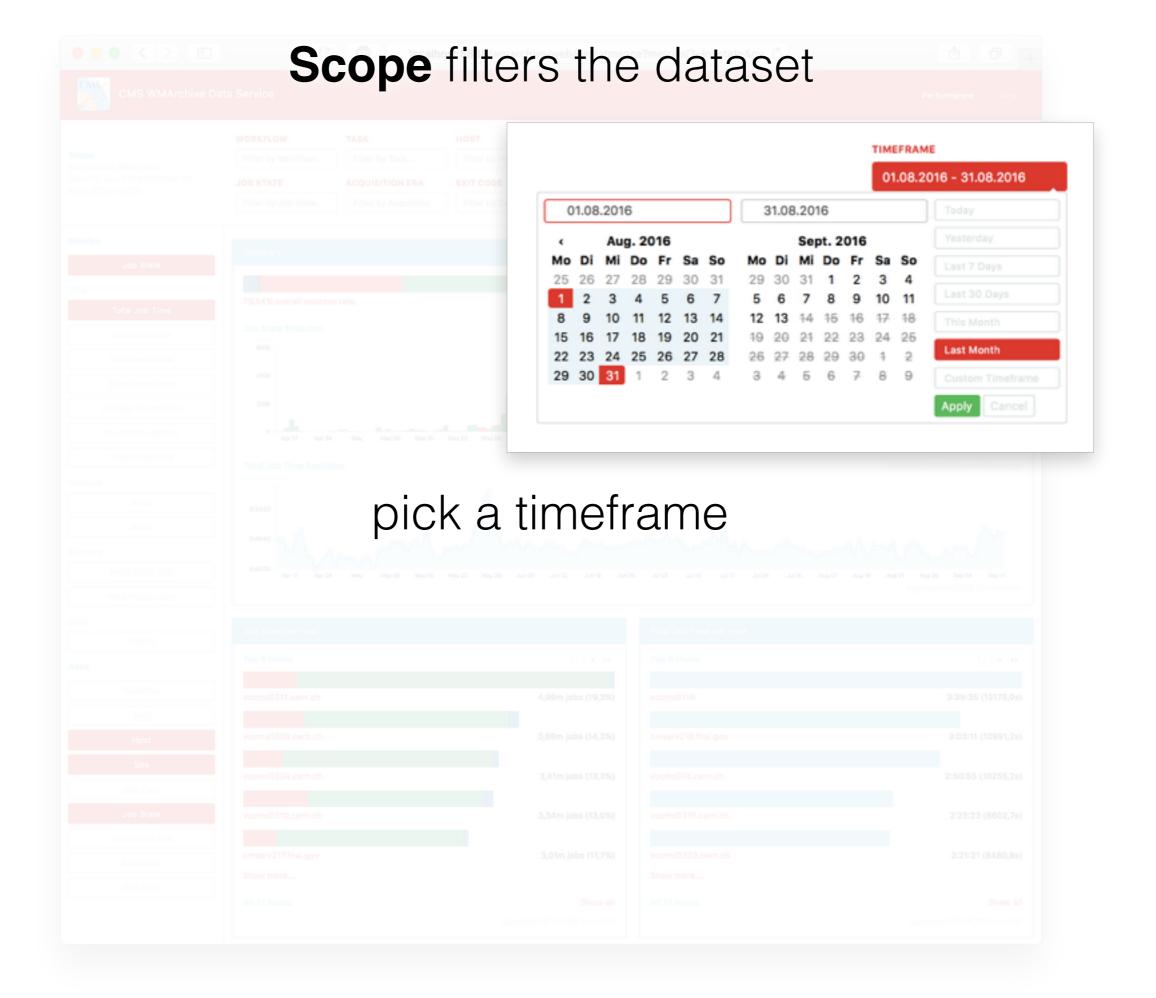


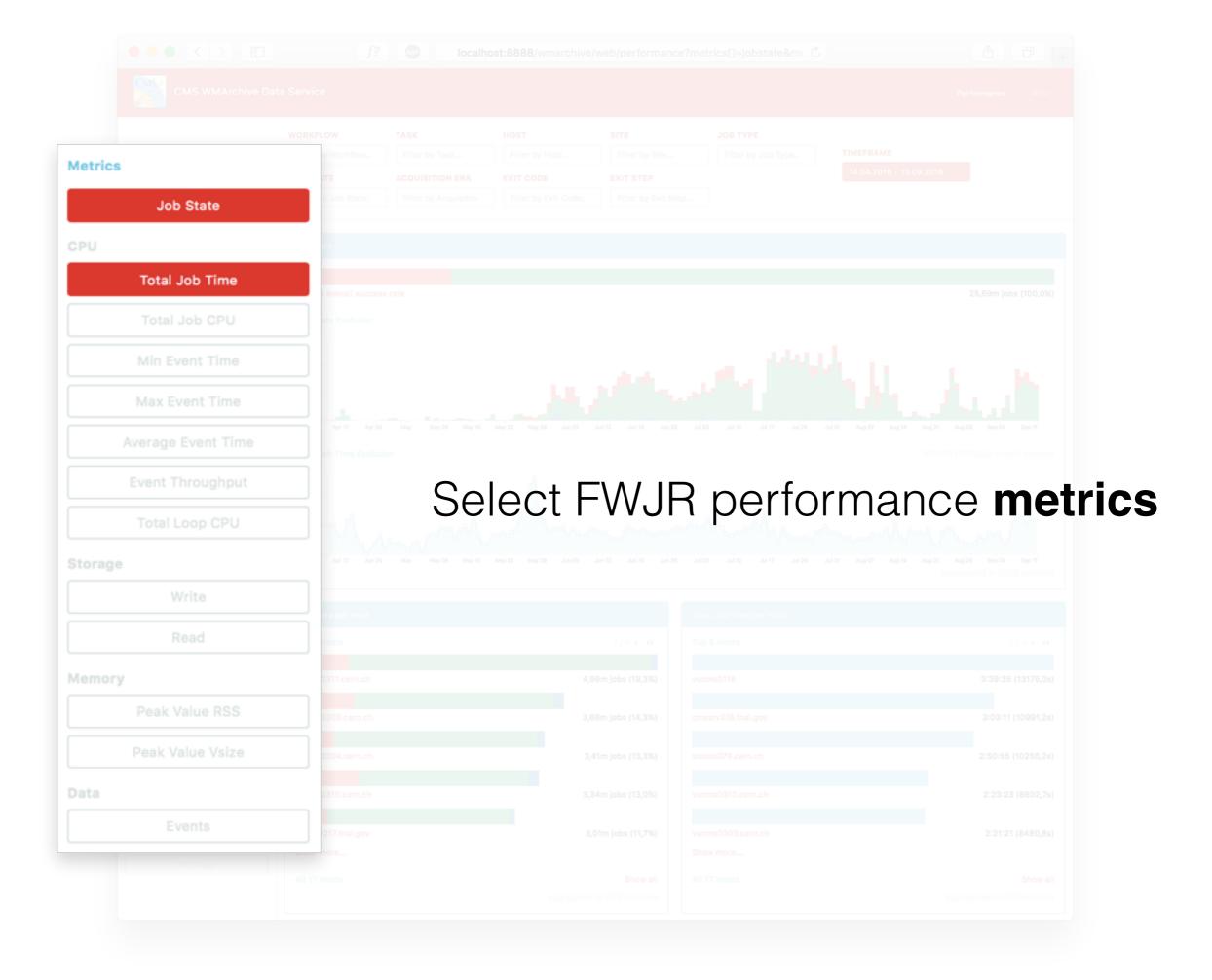
### Scope filters the dataset

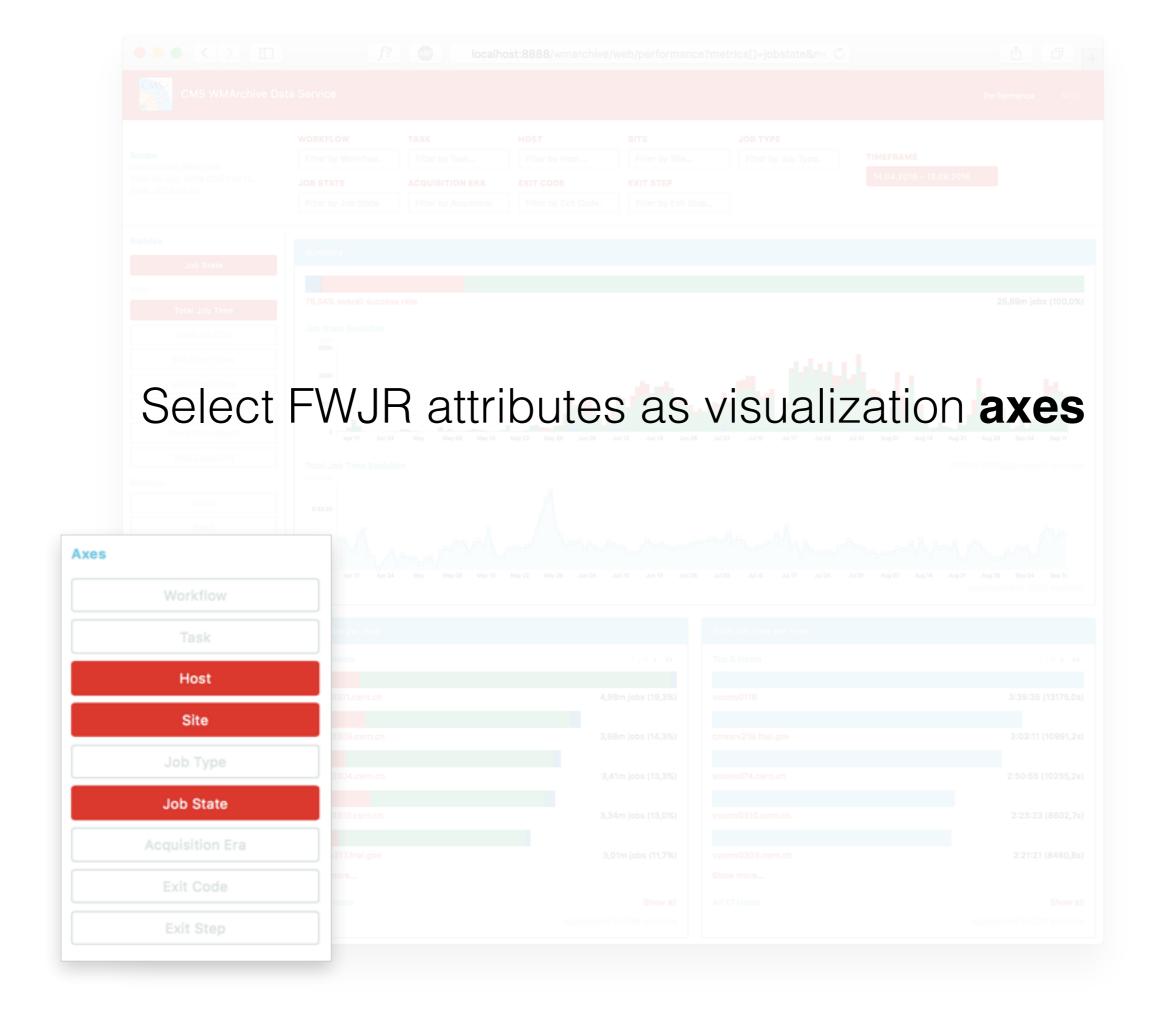


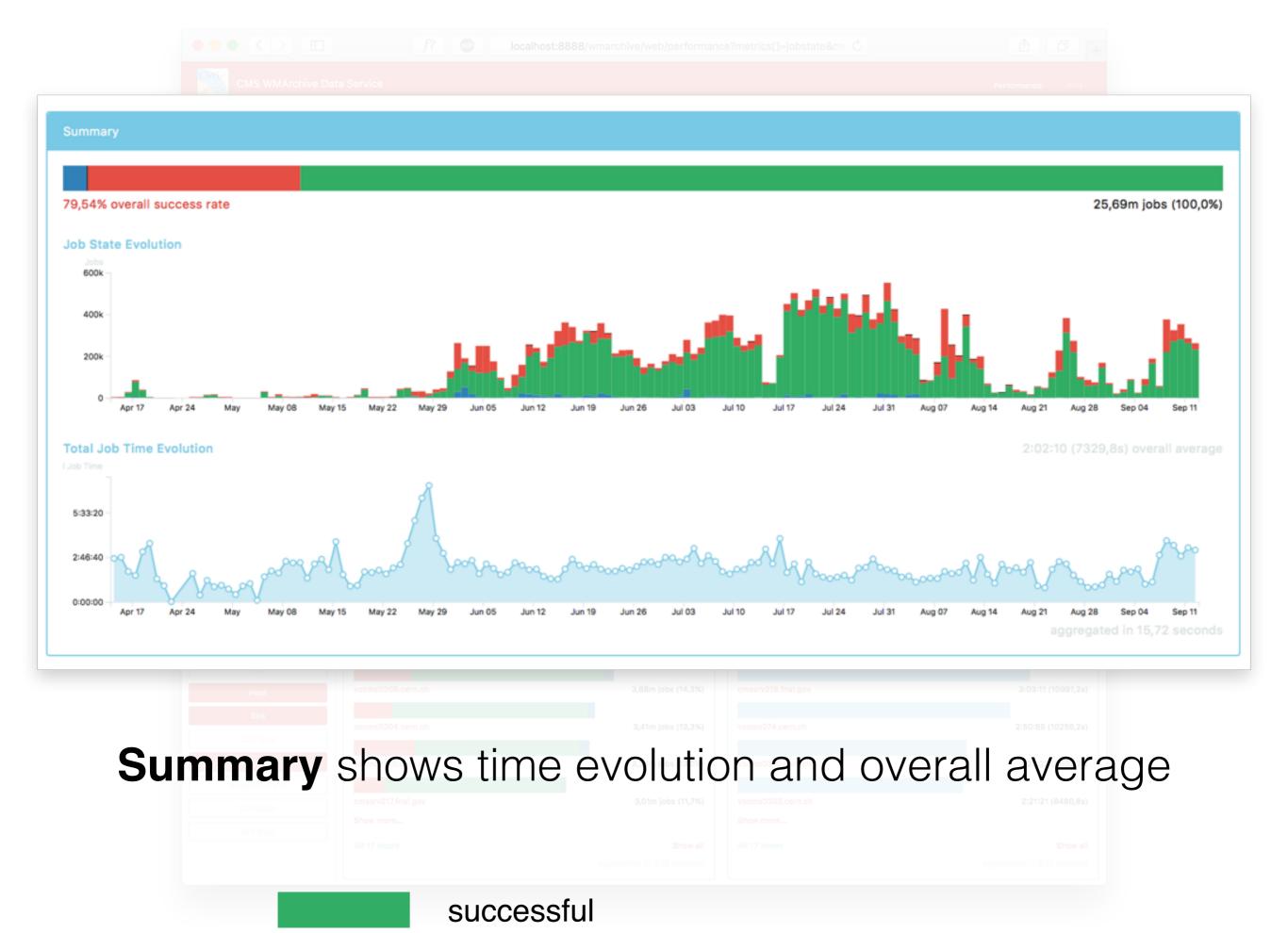


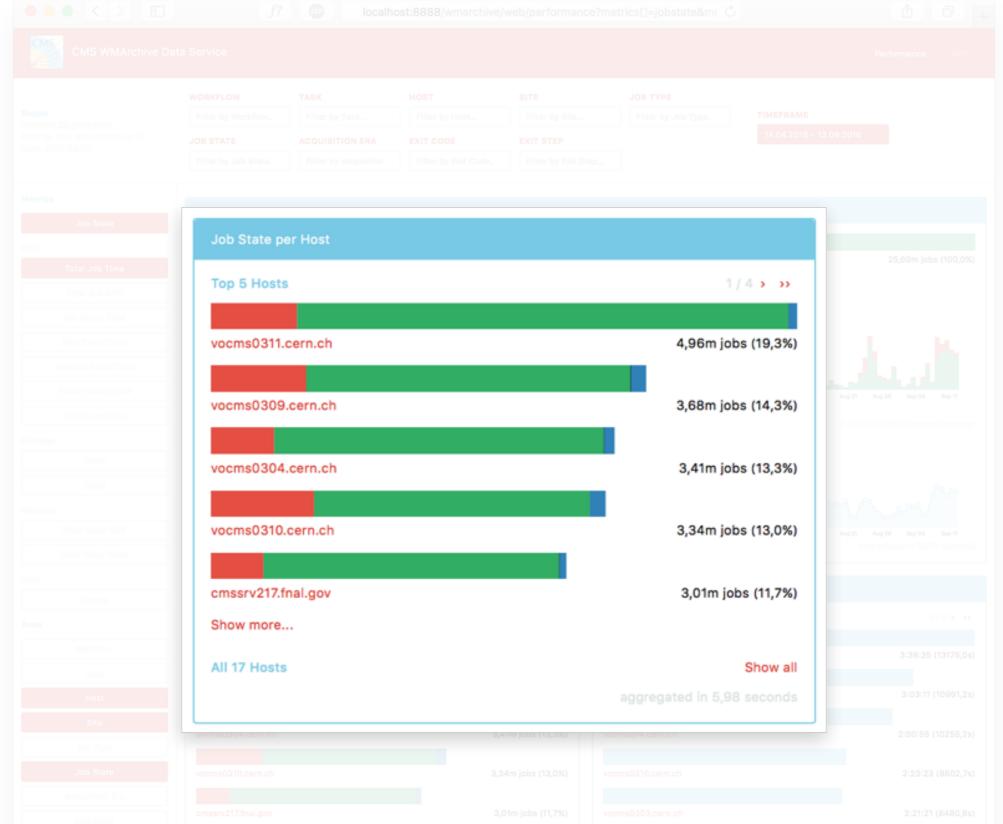






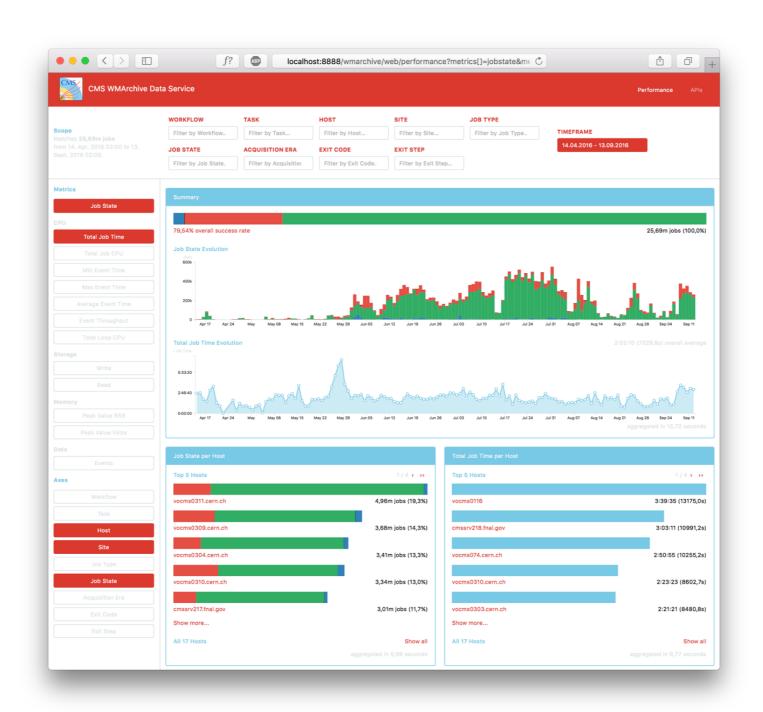






Interactive visualization for each metric and axis

## Demo



https://cmsweb-testbed.cern.ch/wmarchive/web/performance

## Outlook

