

# Qserv demonstration

Running against 35 TB dataset at CC-IN2P3

# Pre-requisites

- ★  $\geq 1$  master node,  $\geq 1$  worker node, 1 orchestration node (can be master)
- ★ no firewall between qserv nodes
- ★ docker hub access on all nodes (or local registry)
- ★ github access on orchestration node
- ★  $> 2\text{TB}$  /qserv directory belonging to 'qserv' user on all qserv nodes
- ★ docker 1.12.1 on all qserv nodes
- ★ git+shmux on orchestration node
- ★ qserv user/group created on all qserv nodes with UID 1000
- ★ all developers accounts belonging to 'docker' group on all nodes

# Quick start

- ★ Demonstration at CC-IN2P3

<http://showterm.io/60e201b61568e8694df9a#27>

- ★ Install start and run integration test on your local cluster

[https://www.slac.stanford.edu/exp/lsst/qserv/2016\\_09/HOW-TO/docker-multinode-test.html](https://www.slac.stanford.edu/exp/lsst/qserv/2016_09/HOW-TO/docker-multinode-test.html)

# Launch Queries against 35TB dataset

Summer 15 results:

<https://confluence.lsstcorp.org/display/DM/S15+Large+Scale+Tests>

# Thanks!

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