An Xrootd proxy cluster

Edgar Fajardo, Alja Tadel, Matevz Tadel, Frank Wuerthwein, Ben Steer, Terrence Martin

Local cache

Usual Federation

Local Site tricks

Scaling Results

Bytes/sec into the cache

Bytes/sec out of the cache

Data rate per job

Proxy Cache Cluster Details

Attribute | Specs
---|---
# Nodes | 11
Node disk capacity | 12x2TB = 24TB per node, 264 TB total
Network Card | 10Gbps/ Total throughput of >100Gbps
RAM Memory | 48GB
Expected Usage | miniaod of all reprocessing of run 2 data
# cores/jobs at UCSD | 6k
Number of Jobs expected to feed | 5k, 20k when Caltech comes in

Future Plans: Coming to a Caltech site near you