

# XCache Meeting January 24, 2019

## Agenda

### News

- OSG Operations meeting taking place in San Diego Jan 29-31
- Joint OSG/WLCG/HSP workshop at Thomas Jefferson National Accelerator Facility <https://indico.cern.ch/event/759388/>
- Rucio Workshop: Feb. 28 - Mar. 1

Attending:

Derek, Edgar, Ilija, Brian, Mat, Matevz, Wei

### Development

- Status of XRootD 4.9?
  - RC4 is coming.
  - Core dumps from Ilija

### ATLAS

- Cache Performance over 40Gbps Link
  - Having crashes
  - 6 GB/s (48Gbps) performance
  - Each client is getting ~10MB/s
  - Clients are in Google Cloud Engine
  - Cache is at BNL

### CMS

...

### OSG

Edgar:

- Update on NVMe cache (For LIGO and StashCache, not necessarily CMS)
  - Clients at sleeper pools at UCSD, Wisconsin, Caltech, maybe Nebraska
  - rsync from authenticated CVMFS
  - rsync for non-authenticated currently implemented.

BrianL/Mat:

- XCache status. 1.0 “released”, but dependency on non-released 4.9
  - Will wait for XRootD release 4.9 to ship into osg-release
  - Minor updates to the XCache
- preparing xcache container that OSG will ship xcache rpm and xrootd 4.9.0
  - StashCache cache working in container
  - Separating xcache from stashcache bits.
- Topology changes for StashCache:
  - Anything left?
  - Cache authfile generation
- XCache Container Status?
- Wisconsin cache - troubling load
  - See Wisconsin usage here:  
<https://gracc.opensciencegrid.org/kibana/goto/20fa86377272aac6f97dbe18a64364a1>
  - Highlights that we do not have good client monitoring. We don't know if clients are timing out and moving elsewhere when the cache gets overloaded.

Derek:

- HTTPS on the redirector
- HTTPS on the origins is the next step
- Wei mentioned that XRootD client may begin supporting pulling from HTTP.  
Possibility of using HTTP data sources.

Marian:

- Status of WLCG XrootD Monitoring