

1:00 pm Central

URL: <https://unl.zoom.us/j/183382852>

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Meeting ID: 183 382 852

Operations Meeting July 1, 2019

Attendees: Jeff Dost, Derek Weitzel, Huijun Zhu, John Thiltges, Marian Zvada, Mat Selmecei, Mats Rynge, Shawn McKee

Apologies:

Fires

Announcements

- Jeff is up on Freshdesk triage this week, David next week
- Please start updating OPS meeting minutes before end of day on Fridays
 - Tim C has to report weekly updates to Monday IRIS-HEP meetings, needs updates first thing Monday mornings
 - Jeff will send email reminders on Fridays
- Do we want to move this meeting to Fridays?
 - We're converging on 12:30 CT Fridays, will email the list

Nebraska (Derek, Marian, John, Huijun)

- New hcc-cvmfs2 host installation in production, DNS alias oasis-replica-itb.opensciencegrid.org set and old host decommissioned
- Need to upgrade hcc-cvmfs so we temporarily redirect oasis-replica.opensciencegrid.org pointing to new hcc-cvmfs2, performance-wise it runs great so hcc-cvmfs2 could handle non-itb and itb requests
- KISTI StashCache registered and enabled in CVMFS
- https://hcc-mon.unl.edu/osgmon/check_mk/index.py?start_url=%2Fosgmon%2Fcheck_mk%2Fdashboard.py
 - New Goal: Add more hosts every week. This week: (just making it up)
 - All glideinwms frontends at UCSD
 - 4 UCSD frontends added (Edgar working on check-mk-agent installation)
 - WISC will upgrade frontends to CentOS7
 - url for FIFE FE? - Derek will start with Ken
 - HCC to check_mk
 - StashCache caches in check_mk
 - Agent download link: https://hcc-mon.unl.edu/osgmon/check_mk/agents/

- New Data source for LIGO. Non-restricted data going to be hosted along with the gwosc repo. Hopefully just a config change. The data isn't ready on the LIGO side.
 - <https://github.com/lscsoft/osg-lvc/issues/25>
- Availability email sent out at 10:30am on the 1st day of each month.

Madison (Brian Lin, Mat Selmec)

- Software provided a script for managing WN software/data from the CE; need to update w/ requests from operations
- Software developed a plan for the management of Hosted CE remote hosts: <https://docs.google.com/document/d/1UIYQxErt2PRU2258m-7v4MQkHbb1IKuZFsOXfdrA6MQ/edit?usp=sharing>; working on some revisions
- Software will provide updates to osg-configure this week to keep it from stomping existing config
- Some registered Stash caches still missing DNs: <https://opensciencegrid.atlassian.net/browse/SOFTWARE-3696>
 - looks like Marian has been pinging people
- Will update repo-update-cadist script (updates the CA cert distribution) on repo.opensciencegrid.org
 - new version will stop verifying GPG signature of downloaded tarball because the security team will no longer sign it

Chicago (David)

- Will not be in the Zoom call until provided with a license for approval which stipulates that use of the Zoom technology and/or software is permitted with attachment to activity at secure, hardened nuclear facilities, including but not limited to: villages with nuclear electricity sources, or particle accelerator facilities with herds of bison and/or buffalo.
 - You may call any of the EFI offices by telephone.

Michigan (Shawn)

- Here is the UC perfSONAR "ingest" rates by topic for the last 30 days at [https://atlas-kibana.mwt2.org/s/networking/app/kibana#/visualize/edit/58bf3e80-18d1-11e8-8f2f-ab6704660c79?_g=\(refreshInterval:\(pause:!t,value:0\),time:\(from:now-30d,mode:quick,to:now\)\)&_a=\(filters:!\(\),linked:!f,query:\(language:lucene,query:\(match_all:\(\)\)\)&_uiState:\(\),vis:\(aggs:!\(\),params:\(expression:'es\(index%3D!ps_owd!','%20q%3D!*!'\).label\('OWD!','%0A.es\(index%3D!ps_throughput!','%20q%3D!*!'\).label\('throughput!'\).yaxis\(2\),%0A.es\(index%3D!ps_meta!','%20q%3D!*!'\).label\('metadata!'\).yaxis\(2\),%0A.es\(index%3D!ps_status!','%20q%3D!*!'\).label\('status!'\).yaxis\(2\),%0A.es\(index%3D!ps_trace!','%20q%3D!*!'\).label\('traceroute!'\),%0A.es\(index%3D!ps_packet_loss!','%20q%3D!*!'\).label\('packet%20loss!'\),%0A.es\(index%3D!ps_retransmits!','%20q%3D!*!'\).label\('retransmits!'\).yaxis\(2\),interval:auto,type:timelion\),title:'PerfSONAR%20ingest',type:timelion\)\)](https://atlas-kibana.mwt2.org/s/networking/app/kibana#/visualize/edit/58bf3e80-18d1-11e8-8f2f-ab6704660c79?_g=(refreshInterval:(pause:!t,value:0),time:(from:now-30d,mode:quick,to:now))&_a=(filters:!(),linked:!f,query:(language:lucene,query:(match_all:()))&_uiState:(),vis:(aggs:!(),params:(expression:'es(index%3D!ps_owd!','%20q%3D!*!').label('OWD!','%0A.es(index%3D!ps_throughput!','%20q%3D!*!').label('throughput!').yaxis(2),%0A.es(index%3D!ps_meta!','%20q%3D!*!').label('metadata!').yaxis(2),%0A.es(index%3D!ps_status!','%20q%3D!*!').label('status!').yaxis(2),%0A.es(index%3D!ps_trace!','%20q%3D!*!').label('traceroute!'),%0A.es(index%3D!ps_packet_loss!','%20q%3D!*!').label('packet%20loss!'),%0A.es(index%3D!ps_retransmits!','%20q%3D!*!').label('retransmits!').yaxis(2),interval:auto,type:timelion),title:'PerfSONAR%20ingest',type:timelion)))

- There was missing data. The attempt to re-read the data didn't completely work. Not done yet. **Work with Derek (sometime) to create separate data-recovery container, configured to grab single time window of data?**
- Need to add additional perfSONAR RabbitMQ bus topics: ps_meta and ps_status to tape archiving at FNAL.
- Grafana monitoring of data sources (perfSONAR instances)
 - <https://gracc.opensciencegrid.org/dashboard/db/perfsonar-collector?orgId=1&from=now-7d&to=now>
- New check_mk monitoring includes the network related hosts (that still need some tweaking ; **work with Huijun / John on this via email and/or VC?**) :
 - https://hcc-mon.unl.edu/osgmon/check_mk/index.py?start_url=%2Fosgmon%2Fcheck_mk%2Fview.py%3Fview_name%3Dallhosts
 - Shawn now has admin access to the 4 AGLT2 OSG networking VMs but not the hcc-pscollector[2] systems
 - Would be nice to move ALL vms out of main.mk and into WATO to allow ease-of-configuration, management. Not sure of the status of this.
 - Still need to add additional monitoring to find problems...
- Working on “push” model for network metrics from perfSONAR. Derek, Mark Feit (Internet2, perfSONAR) and I met last Friday and have a configuration for the toolkit's RabbitMQ archiver. Unfortunately some fixes we need won't be ready till version 4.2 is out. Beta should be out *very soon* and we can test then.

UCSD (Jeff, Edgar, Marco)

GWMS Factory

- gfactory-2.opensciencegrid.org added to UNL check_mk
 - Need to provide rules for custom factory check

Hosted CEs

Institution - Cluster	Status	Last running	Open Freshdesk Tx
Wayne State University	Running		
Florida State University	Running		
Georgia State University	Running		
LIGO India Site (Inter-University Centre for Astronomy and Astrophysics (IUCAA) Pune, INDIA)	No (squid)	November 28, 2018	https://support.opensciencegrid.org/helpdesk/tickets/7335

TACC	Running		
University of Utah - Lonepeak	Running		
PSC	Running		
University of Utah - Kingspeak	Running		
University of Utah - Ember	Running		
NMSU - Discovery	Running		
USF	Running		
ASU	Running		
NMSU - Aggie Grid	No (squid)	3/16/2019	https://support.opensciencesgrid.org/a/tickets/8490
American Museum of Natural History	Running		
LSU - SuperMIC	Running		
UMD	No (batch idle pilots)		
University of Utah - Notchpeak	Running		
LSU - qb2	Running		

- No false check_mk alarms this week, however LSU - qb2 was not functional and we didn't get alerts, will investigate how to improve critical tests
- LSU qb2 - was broken because CRLs were not being updated on CE side, enabled cron scripts
 - Pilots are running at site, but still some issues to investigate: not getting stdout for condor, and factory is wrongly flagging running pilots as held
- UMD - We lost the mapping from cms user to batch, fixed on our end, waiting for new pilots to run before declaring fixed
 - This one didn't trigger check_mk but it's enough of a corner case we don't think the tests need to be modified
- LIGO India Site
 - Ongoing discussion with Admin, escalated to Ligo team
- NMSU Aggie
 - Admin replied, still working on CRL issues (site admin maintains OSG WN, no NFS shared home dir)
- Setting up 3 new CES; 2 UConn CEs, Puebla (Mexico)
 - For UMD will install PRP kubernetes managed CE at UMD in parallel (Igor will help with setup)
 - UConn in progress; waiting for squid to be fixed on one CE and for admins to check why pilots are stuck idle on the other

Mats

1. Stash downtime ongoing but scheduled to resume as planned tomorrow

AOB