

1:00 pm Central

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

Phone: +1 669 900 6833 or +1 408 638 0968 or +1 646 876 9923

Meeting ID: 183 382 852

Operations Meeting June 17, 2019

Attendees: Jeff Dost, Brian Lin, Marian Zvada, David Manglano, Huijun Zhu, John Thiltges

Apologies:

Fires

Announcements

- Marian is up on Freshdesk triage this week, Derek 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

Nebraska (Derek, Marian, John, Huijun)

- Marian is ramping up this week, traveling on Thursday/Friday, though
- GRACC accounting taskforce is coming! Will be lead by Marian, counts as OSG Ops initiative in general
- 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)
 - OSG Gfactory
gfactory-2.opensciencegrid.org added
 - All glideinwms frontends at UCSD
 - Agent download link: https://hcc-mon.unl.edu/osgmon/check_mk/agents/
- (Not done) Check_mk tool for hosted-ce's in progress
 - Need to discuss if it is useful.
 - Derek will write email to start conversation
 - Current criteria:
Critical if:
req idle > 0 and held > 0 and running == 0
req idle > 0 and ((idle == 0 and running == 0)
cannot contact the CE
Warning if: req idle > 0 and held > 0.9 MaxHeld

- GRACC cert replacement done last week (tape backups at FNAL and APEL)
- New cvmfs2 host in rack ready to install, replacement of oasis-replica-itb (Marian has scheduled work on it with Dave Dykstra tomorrow, postponed work from last week)
- 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>

Madison (Brian Lin, Mat Selmecci)

- Added Vanderbilt to OSG DNS and requested OSG host certificates for their entries as a stop-gap until they can get IGTF certs from DigiCert
<https://support.opensciencegrid.org/public/tickets/a99943308dbbcaa715b59cc08ff1643055c4d8745b4542a530ea3333a58c312d>
- Software provided a script for managing WN software/data from the CE; waiting on testing 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>
- Some registered Stash caches still missing DNS, holding up some software work:
<https://opensciencegrid.atlassian.net/browse/SOFTWARE-3696>
- Suchandra is still listed as contact for some UChicago and Hosted CE resources:
<https://opensciencegrid.atlassian.net/browse/OPS-6>

Chicago (David)

- Looks like we'll need to pull down Suchandra's contact information and update the Hosted CE and other contact info (<https://opensciencegrid.atlassian.net/browse/OPS-6>)
- Some registered Stash caches still missing DNS, holding up some software work:
<https://opensciencegrid.atlassian.net/browse/SOFTWARE-3696>

Michigan (Shawn)

- Here is the UC perfSONAR "ingest" rates by topic for the last 30 days at
[http://atlas-kibana.mwt2.org:5601/app/kibana#/visualize/edit/58bf3e80-18d1-11e8-8f2f-a66704660c79?_g=\(refreshInterval:\(pause:!t,value:0\),time:\(from:now-60d,mode:quick,to:now\)\)&_a=\(filters:!\(\),linked:!f,query:\(language:lucene,query:\(match_all:\(\)\)\),uiState:\(\),vis:\(agg:s\(index%3D!ps_owd!','%20q%3D!*!'\).label\(!'OWD!','%20.es\(index%3D!ps_throughput!','%20q%3D!*!'\).label\(!'throughput!'\).yaxis\(2\),%20.es\(index%3D!ps_meta!','%20q%3D!*!'\).label\(!'metadata!'\).yaxis\(2\),%20.es\(index%3D!ps_status!','%20q%3D!*!'\).label\(!'status!'\).yaxis\(2\),%20.es\(index%3D!ps_trace!','%20q%3D!*!'\).label\(!'traceroute!'\),%20.es\(index%3D!ps_packet_loss!','%20q%3D!*!'\).label\(!'packet%20loss!'\)\)](http://atlas-kibana.mwt2.org:5601/app/kibana#/visualize/edit/58bf3e80-18d1-11e8-8f2f-a66704660c79?_g=(refreshInterval:(pause:!t,value:0),time:(from:now-60d,mode:quick,to:now))&_a=(filters:!(),linked:!f,query:(language:lucene,query:(match_all:())),uiState:(),vis:(agg:s(index%3D!ps_owd!','%20q%3D!*!').label(!'OWD!','%20.es(index%3D!ps_throughput!','%20q%3D!*!').label(!'throughput!').yaxis(2),%20.es(index%3D!ps_meta!','%20q%3D!*!').label(!'metadata!').yaxis(2),%20.es(index%3D!ps_status!','%20q%3D!*!').label(!'status!').yaxis(2),%20.es(index%3D!ps_trace!','%20q%3D!*!').label(!'traceroute!'),%20.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 is still missing data. The attempt to re-read the data didn't work. Unsure why it failed or if we can recover the data. In principle, the data should still be available on most toolkits. *Action item* try a targeted test to re-read for one instance (Not done yet. **Work with Derek this week?? Goal is to create separate data-recovery container, configured to grab single time window of data**)
- Unsure about the Grafana monitoring results which still shows problems for nominally working/robust nodes (like CERN)
<https://gracc.opensciencegrid.org/dashboard/db/perfsonar-collector?orgId=1>
 - Number of iterations graph (scroll down) is not completely understood
 - Number of failed iterations is larger than expected for “good” nodes
 - Found that failed iterations were not matched by errors in the logs. Derek exploring?
- 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.
 - Still need to add additional monitoring to find problems
- Presented at the perfSONAR developers face-to-face meeting. Presentation is at:
<https://drive.google.com/open?id=1-7aVh-amNKq11CGd8LVLdisUBbwvu-4>
 - Outcome was opening three enhancement requests
 - <https://github.com/perfsonar/project/issues/1229>
 - <https://github.com/perfsonar/project/issues/1230>
 - <https://github.com/perfsonar/project/issues/1231>

UCSD (Jeff, Edgar, Marco)

GWMS Factory

- gfactory-2.opensciencegrid.org added to UNL check_mk

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.opensciencegrid.org/a/tickets/8490
American Museum of Natural History	Running		
LSU - SuperMIC	Running		
UMD	Running		
University of Utah - Notchpeak	Running		
LSU - qb2	Running		

- LSU - required some factory entry reconfig to properly get GPU working
- 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 require special setting at the batch submission side to work, may need software team assistance

Mats

1. At CC-IN2P3 this week. No updates.

AOB