

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 (password required)

Operations Meeting August 21, 2020

Attendees: Jeff, Derek, Suhaib, Tim, Brian, Huijun, Mat, Eric, Edgar, Pascal

Apologies: Marian, Shawn

Fires

Announcements

- Jeff is up on Freshdesk triage next week, Marian is up the following week

Proactive Monitoring Presentation

Suhaib, IRIS-HEP Fellow

Presentation:

<https://docs.google.com/presentation/d/1I06QjpvjbfBPt-dOfnqktoKkrSy2nu0Ed0AiYfpm-6M/edit?usp=sharing>

COVID-19 Research Support

- Factory ops is creating special entries as site requests come in; considered high priority
 - Freshdesk filters are set to automatically CC factory ops for subjects like "Requesting COVID-19 pilots"
 - 45 entries created so far
 - 1 new entry created, OU_OCHEP
- Accounting:
 - <https://gracc.opensciencegrid.org/d/000000133/covid-19-research?orgId=1>

Nebraska (Derek, Marian, John, Huijun, Eric)

- GRACC2
 - **DONE:** Work on the report about the transition for AC, preparation document [here](#).

- **IN PROGRESS:** [New document](#) established as placeholder for GRACC installation instructions from scratch and upgrade of existing cluster, it includes also additional action items that came up as issues after the upgrade and reboot of the whole cluster
- **IN PROGRESS:** Plan on free up Volumes of old GRACC in OpenStack@UNL after the upgrade - cleaned up ~10TB of Volume, shutted down two nodes out of five from old GRACC, specifically gracc-data4 and gracc-data5 can be taken out from check_mk alerts
- **NEW** Contacted by LHCb site at MIT this week. Will begin working on how to upload their data to EGI.
- **OASIS**
 - spin up a osg-notify node for ops in Anvil, Jeff will create Ops jira ticket - subtask under OPS-10 assign to Marian
 - ITB issues, seems software related
 - CVMFS update process stalls, and cron keeps starting more update jobs, bogging down the server
 - The issue seems to be related to rsyslog
 - The most recent occurrence happened after a power failure at Nebraska (Schorr), disrupting the central rsyslog collector
 - The ITB server didn't spool syslog entries to local disk as expected, and syslog calls stalled
 - Multiple issues in play:
 - CVMFS update cronjob starting up too many processes
 - Local rsyslog not spooling to disk as expected
 - Remote rsyslog not responding
- **XCache:**
 - Main redirectors will be upgraded soon with xrootd 5. Required for TLS support. Caches are first though.
 - Thank you Deigo and Edgar for testing XRootD 5.
- **OAT (OSG Accounting Taskforce)**
 - (Marian) Reviving and figuring out the charge.
- **Check-mk monitoring:**

https://hcc-mon.unl.edu/osgmon/check_mk/index.py?start_url=%2Fosgmon%2Fcheck_mk%2Fdashboard.py

 - Moving check-mk from hcc-mon.unl.edu to hcc-mon2.unl.edu
 - Both sites are running but notifications are still from hcc-mon
 - <https://hcc-mon2.unl.edu/osgmon>
 - Need to allow hcc-mon2.unl.edu to port 6556:
 - All hosted-ces
 - flock.opensciencegrid.org
 - login04.osgconnect.net
 - login05.osgconnect.net
 - login.duke.ci-connect.net

psconfig.opensciencegrid.org
psetf.opensciencegrid.org
psmad.opensciencegrid.org
psrsv.opensciencegrid.org
stash-xrd2.osgconnect.net
stash-xrd.osgconnect.net
Stashcache.grid.uchicago.edu
Xd-login.opensciencegrid.org

New auth using CoManage

- Agent download link: https://hcc-mon2.unl.edu/osgmon/check_mk/agents/
- July availability report will be sent out on Aug. 1 from hcc-mon2.unl.edu
- Contact list for OSG hosted services:

<https://docs.google.com/spreadsheets/d/1F98uwkoylg7vdbqq2ml7gXx9ijVNVMI23AdLXBqO5B4/edit?usp=sharing>

- Replaying of missing perfSonar network data is in progress (John)
 - Running Dec 2019 now, our last month to replay!
 - Rate is variable depending on perfSONAR ESnet stats load

Madison (Brian Lin, Mat Selmecci)

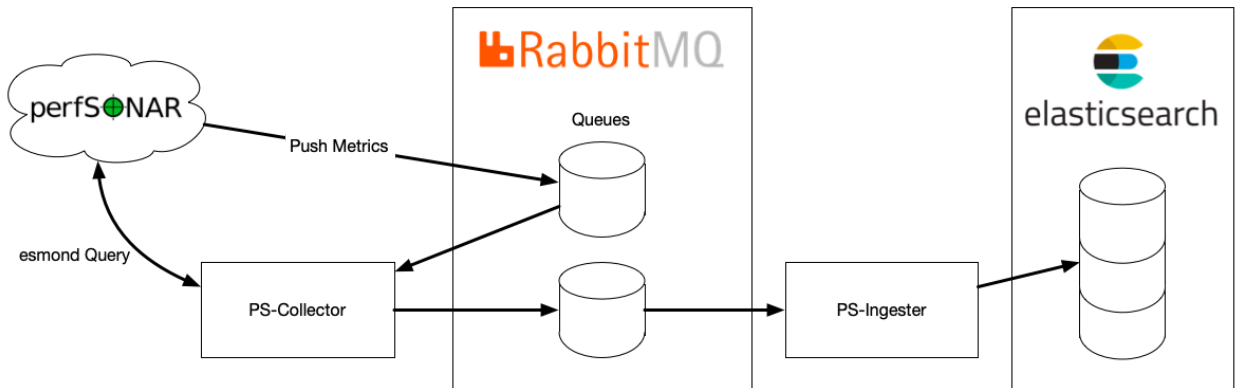
- Please register in the OSG CoManage if you haven't already!
<https://opensciencegrid.org/register>
- Hosted CEs:
 - Failure to clone GitHub hosted-ce-config repo is because the bosco.key has been uploaded as an access key to GitHub somewhere
 - Who has access to this private key? ssh git@github.com
 - Fixed in the latest `fresh` container
 - Multi-VO support completed for non-HTCondor batch systems, HTCondor batch targeted for next week **[IN PROGRESS]**
 - Using non-standard SSH port **[DONE]**
 - Issue with condor local submit attrs not working **[DONE]**
- OSG Kubernetes hackathon next Tuesday 12-4pm CDT

Chicago (Pascal)

- Uchicago team is working wt Brian, Marco and Jeff with the HostedCEs on River
- Also there is a PTR out for the new HostedCEs
- Do subgroups(subprojects) need to also be defined explicitly in OSG topology? Any special consideration for those?
- Q for Brian...

Michigan (Shawn (Derek))

- **Update on milestone:** Had a focused meeting yesterday. Have a plan and are waiting on new patched docker images from Michael Johnson to provide RabbitMQ configuration and plugin support for PWA. We will test on one instance to confirm we can centrally configure this. Next step is transforming data between pScheduler and ESmond format. Diagram from Derek below illustrates the targeted pipeline:



- **PRP use-case dashboard:** Edgar, John and Dima need to add hosts and tests they want into psconfig and we will then verify data gets to maddash and to our ELK network archive. Edgar and team need to provide a document for their use-case so Tommy can start developing something. Update? John Hicks to provide use-case description for Tommy Shearer to create a suitable dashboard
- Working with Shawn Sivy at The College of New Jersey. I had a Zoom session this morning and Shawn Sivy created a TCNJ mesh, added a latency test and got it working on his host in a few minutes. Shawn S will continue to put in place the testing he wants. Next week we will meet to review the use of our dashboards and analytics.
- Interest about **USCMS mesh changes/improvements**. No update.
- Soundar is still working on the ESnet snmp data ingest. Still problems being debugged.

UCSD (Jeff, Edgar, Marco)

Caches

- I2 Houston Cache is still down.
- Cardiff node is now up

Frontends

- UCLHC has been moved to kubernetes and EIC is up and running

GWMS Factory

- ITB hostcert has been updated
- Setting up whole node entries for UCSD
- Request from Edgar to Factory ops -> keep tarballs in sync with OSG production condor versions (for prod releases e.g. 8.8) and OSG upcoming with dev releases (8.9) for the respective 8.8.x, 8.9.x versions
 - Contacted all admins, updated tarballs to the latest
- Need to provide rules for check_mk custom factory check from gfactory-2.opensciencegrid.org (send it to operations@ mailing list)

Hosted CEs

Institution - Cluster	Status	Last running	Open Freshdesk Tx	SLATE status
AMNH - ARES	Running			done
AMNH - HEL	Running			done
ASU	Running		https://support.opensciencegrid.org/a/tickets/63877	done
Clarkson - ACRES	Running			done
Florida State University	Running			done
Georgia State University	Running			In progress
LSU - SuperMIC	Running			In progress
LSU - qb2	Running			In progress
NewJersey	Running			done
NotreDame - gpu	Running		https://support.opensciencegrid.org/a/tickets/64810	done
NMSU - Aggie Grid	Running		https://opensciencegrid.freshdesk.com/a/tickets/64891	N/A

NMSU - Discovery	Running		https://support.opensciencegrid.org/a/tickets/64370 https://opensciencegrid.freshdesk.com/a/tickets/64552	N/A
PSC	Running			done
SDSU - Comet	Runnng			done
TACC	Running			postponed
UConn - cedar	Running			done
UConn - xanadu	No (squid)	1/17/2019	https://support.opensciencegrid.org/a/tickets/64789	postponed
UMD	Running	7/1/2019	https://support.opensciencegrid.org/a/tickets/8516	In progress
University of Utah - Ember	No (downtime)	9/13/2019	https://support.opensciencegrid.org/a/tickets/27539	N/A
University of Utah - Lonepeak	Running		https://support.opensciencegrid.org/a/tickets/27539	N/A
University of Utah - Kingspeak	Running		https://support.opensciencegrid.org/a/tickets/27539	N/A
University of Utah - Notchpeak	Running		https://support.opensciencegrid.org/a/tickets/27539	N/A
USF	Running		https://support.opensciencegrid.org/a/tickets/27904	postponed
UW Milwaukee	Running		https://support.opensciencegrid.org/a/tickets/63060	done
Wayne State University	Running			In progress

News:

- Transition news:

- 8 completed since Aug 14 (10 total out of 18):
 - AMNH - HEL
 - FSU
 - Notre Dame (GPU)
 - PSC - Bridges
 - SDSC - Comet
 - TCNJ
 - UConn - Cedar
 - UWM - NEMO
- 5 in progress, 3 postponed
 - 3 CEs are blocked because their headnodes are rhel6, requested to upgrade them, we may worry about them after Sept 1 no reason to still support rhel6 in SLATE
 - USF postponed - can't upgrade headnode until Nov
 - UConn Xanadu postponed - it's a bespoke CE with special setup, currently the batch system is blocking all scp, will need special attention after the transition
 - TACC postponed - special config needed on CE side
- GSU has a non-standard ssh port, testing Brian L's fix, site needs whitelisting river IP space
- 2 new CEs in the works: AMNH-Mendel (Jeff), UCI (Edgar), upcoming: SDSC Expanse
- AMNH - HEL
 - "Failed to load file 'description.k5m75z.cfg' from 'http://gfactory-2.opensciencegrid.org/factory/stage' using proxy 'osg-new-york-stashcache.nrp.internet2.edu:9002'. curl: (7) Failed to connect to 2001:468:2808::2: Network is unreachable"
 - <https://opensciencegrid.freshdesk.com/a/tickets/64790>
- UConn xanadu frontend validation scripts not finding singularity conversation is ongoing:
 - <https://support.opensciencegrid.org/a/tickets/64789>
- NMSU - Aggie:
 - Still have to add COVID-19 route (covid routing doesn't work as described in the instructions for hosted ces for condor to condor, see ND above):
 - <https://support.opensciencegrid.org/a/tickets/64804>
 - Only needed if they want special prioritization in batch / proper condor accounting
- NewJersey, WSU
 - GPU entry jobs are not matching (http://gfactory-2.opensciencegrid.org/factory/monitor/factoryStatus.html?entry=OSG_US_NEWJERSEY_ELSA-gpu). Need to follow up.
 - <https://opensciencegrid.freshdesk.com/a/tickets/30128>
- UMD
 - Site still wants a hosted CE, but want special mappings to give their users higher prio relative to CMS

- We have agreed on osg04 for CMS and osg20 for the special user, but we're waiting on multi user support from OSG Software before proceeding (not urgent)
- Not fully ready yet in SLATE

Old items:

- NMSU - Discovery updated to accept covid-19 pilots
 - Still have to reinstall to fix bosco cleanup issues:
 - <https://support.opensciencegrid.org/a/tickets/64370>
- 3 of the 4 Utah hosted CEs out of downtime now that they are managed by slate:
 - Lonepeak, Kingspeak, Notchpeak
 - Ember is still down (q for Brian L - do we have a slate instance for it?)
 - Brian will follow up with Mitchell, Marco and JEff will also contact admins (Utah contacts are in topology)
- Puebla (Mexico) CE work has stalled (lack of effort at site)
- Working out details with University Alabama as candidate for a new Hosted CE (postponed until Nov)
- Next candidate to migrate to git management is AMNH

AOB