Operations Meeting September 20, 2019

Attendees: Jeff Dost, Mat Selmeci, John Thiltges, Shawn McKee, Marian Zvada, Huijun Zhu
Apologies: Brian Lin

Fires

Announcements

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

Nebraska (Derek, Marian, John, Huijun)

- OASIS: nothing to report
- StashCache: add CNAF to EGI configuration (STAS-58)
- GRACC: plan on presentation on GRACC architecture at ES workshop taking place at FNAL on Sep 30
- OAT (OSG Accounting Taskforce)
  - WLCG group (Julia Andreeva) asking about normalization factors we report to APEL, wallclock and HS06 in question, seems like HS06 consumption is sometimes different, see link summary here
  - OSGConnect dashboards review meeting took place on Sep 19th 2PM CDT, follow up next week, few things reported for the task force (prepare description of dashboards), see notes from the meeting here
- OSG services brownout during our hosting providers optimization. Small "blip" in the monitoring.
- Osg-repo: change repo updating processes from cron jobs to timed services (Huijun working on it)
- Cvmfs-repo: change cvmfs-data-update and cvmfs-singularity-sync from auto-restarting services to timed services (done, pull request sent)
- Hcc-cvmfs-repo: Updated repo configurations and made them consistent. Spurred by freshdesk ticket from DaveD. Only need to confirm it's working now. (John completed)
- Message bus has been having brown-outs due to backup of messages to UC. UC is back online now, and the message bus seems back to normal.
- Check-mk monitoring:

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:
      - Working with Chicago team to add more hosts to check_mk at UNL site
      - Agent download link: https://hcc-mon.unl.edu/osgmon/check_mk/agents/
    - Updating availability report format to match SLA descriptions
- Contact list for OSG hosted services: https://docs.google.com/spreadsheets/d/1F98uwkoylg7vdbqq2ml7gXx9ijVNVMI23AdLXBqO5B4/edit?usp=sharing

  I'm updating the configuration in check_mk to add contacts to services according to the spreadsheet, so you may get emails regarding host issues. If you have any concerns or comments to the emails, please contact huijun.zhu@unl.edu, or update the above spreadsheet. We can discuss:
  - Which services should be included in the email
  - What are reasonable thresholds to mark a service as WARN/CRIT.
  - How soon should an issue be reported, immediately or some time later (currently there is a 5 minute delay, if the issue resolved within 5 minutes, no email sent.)

Madison (Brian Lin, Mat Selmeci)

- Problem with the newest blahp tarball for EL7 caused jobs to go on hold at one of the Hosted CEs (New Jersey?) Carl working on a fix, will have it ready today.
- Need symlink in CVMFS; created ticket but hasn't been touched: https://support.opensciencegrid.org/a/tickets/30004
- Do we have a container or RPM for redirector.osgstorage.org
- JIRA: need to convert OPS to "old-style" project for publicly viewable tickets

Chicago (Pascal)

- Syncing the osg repositories every half hour. Is this necessary? We are currently running all syncs every 6 hours. We're trying to understand why 30 minutes makes sense.
  - Especially with the "development" and "testing" repositories, we want to get new RPMs in the hands of testers in a timely manner so they can test it. -Mat
- There were some Stash issues yesterday but these were fixed as of this morning. Ceph set the filesystem as readonly. Admins (judith) restarted the metadata daemons.

Michigan (Shawn)

- **Issues with UC ES**   The upgrade of the UC elasticsearch from 6.8 - 7.3 last week has been problematic and we have had some downtime/outages.   We will likely need to replay at least part of the data from tape once we confirm things are stable again. Lincoln announced they believed things were stable yesterday (Sep 19) but not all indices are returned to production
- There has been missing data from a few different outages. The attempt to re-read the data didn't completely work. Work with Derek (some time) to create separate data-recovery container, configured to grab single time window of data? **Still to do!!**
- Need to add additional perfSONAR RabbitMQ bus topics: **ps_meta** and **ps_status** to tape archiving at FNAL. (in Trello) **Any update?**
- The perfSONAR dev team is working on creating the new pscheduler RabbitMQ archiver, capable of producing a superset of the data we already "pull" onto the bus. Once that is ready we will need to test that the two ingestors (for RabbitMQ to UC/Nebraska ES) can still get the needed data when we "push" it from the toolkits
- The PRP Nautilus instances were added to our psmad MaDDash configuration. https://psmad.opensciencegrid.org/maddash-webui/index.cgi?dashboard=Nautilus%20Mesh However we are still unable to "pull" their data into the RabbitMQ bus because they use the new 'pSConfig' format and our perfsonar-collector (which feeds the RabbitMQ bus with perfSONAR data) currently only parses the old 'meshconfig' format. We need to add the ability to parse the new pSConfig JSON format.

UCSD (Jeff, Edgar, Marco)

GWMS Factory

- New ITB OSG factory is up, gfactory-itb-1.opensciencegrid.org
  - Registering new frontends on request (FIFE in progress)
- 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
American Museum of Natural History	Running		
ASU	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
LSU - SuperMIC	Running		
LSU - qb2	Running		
NMSU - Aggie Grid	Running		https://support.opensciencegrid.org/a/tickets/27084
NMSU - Discovery	No (sbatch errors)	9/7/2019	
PSC	Running		
TACC	Running		
UConn - gridca	Running		
UMD	No (batch idle pilots)	7/1/2019	https://support.opensciencegrid.org/a/tickets/8516
University of Utah - Ember	No (downtime)	9/13/2019	https://support.opensciencegrid.org/a/tickets/27539
University of Utah - Lonepeak	No (downtime)	9/13/2019	https://support.opensciencegrid.org/a/tickets/27539
University of Utah - Kingspeak	Running		https://support.opensciencegrid.org/a/tickets/27539
University of Utah - Notchpeak	No (disabled)	9/13/2019	https://support.opensciencegrid.org/a/tickets/27539
USF	Running		https://support.opensciencegrid.org/a/tickets/27904
Wayne State University	Running		

- NMSU - Discovery - slurm errors on batch side, needs investigating
- 3 of the 4 Utah hosted CEs are down
  - Asked about the error on the ticket: pilots going held with "Required partition not available (inactive or drain)"
  - Site in maintenance again to work on scratch area
- USF is running, but admin is investigating high disk IO
  - Admin limited running jobs to 25

- - Asking support at: https://support.opensciencegrid.org/a/tickets/27904
  - We think it's due to problem user jobs, need to investigate further
- UMD - Pilots are stuck idle on the CE / going held
  - Touched base with admins, they still do want a hosted CE, but want special mappings to give their users higher prio relative to CMS
- LIGO India Site
  - Ongoing discussion with Admin, escalated to Ligo team
  - Will send email out next week, Edgar, FKW, Pascal, Peter
- Setting up 2 new CES; 1 UConn CEs, Puebla (Mexico)
  - UConn CE works but one has pilots failing due to cvmfs issues; debugging in progress
- Working out details with University Alabama as candidate for a new Hosted CE (postponed until Sept)

Mats

1. Will not be able to attend these calls most weeks, but UChicago should cover most issues
2. flock.opensciencegrid.org has been upgraded to EL7 (thank you UChicago!)
3. Is now running HTCondor 8.9.3 so we can explore TOKEN auth
4. Joining new ITB factory for improved testing

AOB