

Subject: Cloud summary - 6/19/19
From: Mark Sosebee <sosebee@uta.edu>
Date: 7/9/19, 6:09 PM
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US cloud notes from the past week:

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ADCoS/CRC reports from the ADC Weekly and ADCoS meetings:
https://docs.google.com/presentation/d/1IHPELaNZWC48bGL8-mX59hMBMwjyqtZlxqwLV7Ej8T0/edit#slide=id.g5c7d0e1f1f_0_0 (ADC/DPA highlights)

General news / issues during the past week:

6/17: ADC Technical Coordination Board:
<https://indico.cern.ch/e/828524>

6/18: ADC Weekly meeting:
<https://indico.cern.ch/e/828634>

MC / Group Production / Reprocessing summaries from the ADC Weekly meeting:
https://indico.cern.ch/event/828634/contributions/3468509/attachments/1864647/3065533/mccoord_180619.pdf
https://indico.cern.ch/event/828634/contributions/3468508/attachments/1864600/3065458/ADC_16062019.pdf
https://indico.cern.ch/event/828634/contributions/3468510/attachments/1864618/3065484/DatRepStatus_ADC_20190618.pdf

6/19: New Pilot 2 release (v2.1.11) - see:
http://www-hep.uta.edu/~sosebee/ADCoS/pilot2-v2.1.11-6_19_19.pdf

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Site-specific issues:

- 1) 6/12: UTA_SWT2 - destination file transfer errors. Fixed a problem with an xrootdfs mount on the gridftp server.
https://ggus.eu/?mode=ticket_info&ticket_id=141708 in progress. eLog 69524.
- 2) 6/13: BNL - third-party-copy from BNL-OSG2_SCRATCHDISK via WebDAV TPC fails.
https://ggus.eu/?mode=ticket_info&ticket_id=141711 in progress.
- 3) 6/16: BNL - squid service degraded. https://ggus.eu/?mode=ticket_info&ticket_id=141745 in progress, eLog 69540.

- 4) 6/18: BNL - failed jobs in the ANALY_BNL_LONG queue (Condor removed).
https://ggus.eu/?mode=ticket_info&ticket_id=141765.

Follow-ups from earlier reports:

- (i) 2/11: ANALY_BU_ATLAS_Tier2_SL6-sge - test jobs using rucio mover generate the error "dlsym: /usr/lib64/libglobus_thread_pthread.so: undefined symbol: globus_extension_module." https://ggus.eu/?mode=ticket_info&ticket_id=139626.
Update 6/19: Following updates to OSG software and move from LSM to rucio mover errors stopped. ggus 139626 was closed.
- (ii) 3/20: UTA_SWT2 - job failures with "lost heartbeat" errors (unable to update the PanDA server despite completing successfully, with messages like "Response = curl: (35) SSL connect error"). https://ggus.eu/index.php?mode=ticket_info&ticket_id=140288 in progress.
Update 6/19: Issue with how the HTCondor-CE was delegating and creating proxies for jobs in the local batch system was resolved. ggus 140288 was closed.
- (iii) 3/26: MWT2: small number of files failing source transfers with checksum errors.
https://ggus.eu/?mode=ticket_info&ticket_id=140418, eLog 68935.
Update 6/19: Two problems fixed (res-seating some cables on storage nodes, networking issue). ggus 140418 was closed.
- (iv) 4/1: SLACXRD - discrepancy between space reporting compared to Rucio values.
https://ggus.eu/?mode=ticket_info&ticket_id=140525.
- (v) 4/24: BNL & NET2 - file transfer errors with a checksum problem. https://ggus.eu/?mode=ticket_info&ticket_id=140849. eLog 69149.
- (vi) 5/3: NET2 - Frontier and CVMFS access errors. https://ggus.eu/?mode=ticket_info&ticket_id=141002.
- (vii) 5/8: BNL - missing file. https://ggus.eu/?mode=ticket_info&ticket_id=141051 in progress while site investigates.
- (iix) 5/16: BU_ATLAS_Tier2 - file transfer failures ("the server responded with an error 530 530-Login incorrect").
https://ggus.eu/?mode=ticket_info&ticket_id=141185, eLog 69312.
- (ix) 5/28: SWT2_CPB - file deletion errors. https://ggus.eu/?mode=ticket_info&ticket_id=141444, eLog 69398.
Update 5/31: a failed drive in one of the RAID arrays was not automatically removed correctly, causing these errors. Swapping the drive fixed the problem. ggus 141444 was closed. However, the deletion errors returned, and the ticket was re-opened. This time a bad xrootdfs
mount was the issue. eLog 69437.

(x) 6/10: AGLT2 - file transfer errors. https://ggus.eu/index.php?mode=ticket_info&ticket_id=141656, eLog 69498.

Update 6/18: Replaced a networking cable related to long-distance transfer performance.
Issue resolved - ggus 141656 was closed. eLog 69549.

(xi) 6/11: AGLT2 - job failures with errors related to CVMFS access. https://ggus.eu/?mode=ticket_info&ticket_id=141672.

Update 6/17: Removed a problematic WN - issue resolved. ggus 141672 was closed.

(xii) 6/11: BNL - job failures ("HTCondor-CE held job due to no matching routes").
https://ggus.eu/?mode=ticket_info&ticket_id=141673.

(xiii) 6/11: MWT2 - file transfer errors ("the server responded with an error 451 Unit not matched").

https://ggus.eu/?mode=ticket_info&ticket_id=141687, eLog 69514.

Update 6/19: Removed some problematic AAAA records from the storage servers - issue resolved. ggus 141687 was closed.

(xiv) 6/12: SWT2_CPB - file transfer errors ("Connection refused globus_xio: A system call failed"). Ticket was not needed, since site was still in a scheduled downtime.

https://ggus.eu/?mode=ticket_info&ticket_id=141692, eLog 69518.

Update 6/18: Closed ggus 141692 since the site was in a downtime. Services restored fine at the conclusion of the d.t. eLog 69547.

(xv) 6/12: AGLT2 - job failures ("Invalid CRL: The available CRL has expired").

https://ggus.eu/?mode=ticket_info&ticket_id=141694.

Update 6/18: error went away without further intervention. ggus 141694 was closed.