News from UMD

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Overview

- UMD2 decommissioning
- News on gfal2-util
- New products entering UMD
- Status of the UMD Software Provisioning Queue
- EarlyAdopters - status

UMD2 decommissioning (I)

- Timeline:
  - **April 2014** - UMD 2 EOL
  - **May 2014:**
    - Downtimes for Sites deploying UMD-2 services (excluding dCache)
    - Sites who fail to do so are eligible for suspension
- Status:
  - All monitored services are upgraded, except:
    - Asia/Pacific
      - 1 site suspended
      - 3 sites with 4 UMD2 services
  - UMD2 repositories will be "frozen"

- APEL clients migration:
  - Status:
    - http://bit.ly/umd2_apel
    - 12 NGIs
      - 14 sites using old clients - http://goc-accounting.grid-support.ac.uk/consumer/
      - unresponsive sites/NGIs:
        » NGI_CYGRID - CY-01-KIMON/
        » Asia/Pacific - MY-UPM-BIRUNI-01, TW-FTT
  - Migration closely follow-up by the APEL team

- As documented, EMI3 APEL requires a **fresh install**, not an rpm upgrade.
- In *sender.cfg* define
  - a TopLevel BDII;
  - network:PROD and
  - destination:/queue/global.accounting.cpu.central
- No need to migrate old data. Just migrate the current month.
- Make sure the *parser.cfg* is pointing at the correct batch and blah directories.
- If you haven't installed a clean CREAM and Batch system then EMI3 APEL will pick up all the jobs you already published and publish them again in EMI3. This need not be a problem but it may result in duplicate jobs which need removing.
  - Remove the records created by the migration script.
- If you have **multiple** CREAM-CEs pointing at **the same batch system** with **shared batch logs** then you only need to run the parser with **[batch] enabled=true** on **one** of them. You should **use [blah] enabled=true** on **every** CREAM.
- Wait **4 hours** after adding hostDN to glite-APEL endpoint in GOCDB. This allows the Message Brokers time to update their ACL.

- dCache
  - Support statement:
    *"dCache **2.2.X** is supported until July 2014, when the new golden release will be made available"*
  - UMD 3 – provides dCache **2.6.28**
  - Status – 18.09.2014
    - V. 2.6.X => 56 services
    - V. 2.2.X => **11 services**
  - Timeline:
    - Start monitoring **22nd of September**
    - To be upgraded by the **31st of October**

Gfal2-util - status

- End-of-life mode of gfal and lcgutil - Fri, 05/09/2014

  "gfal and lcg-util are in end-of-life mode, which means no new features, nor new bug fixes will be done, excepting very critical ones if needed.
  Support for both will defintitely end the 1st of November 2014 , so we recommend to all our users to switch to the newer gfal2 and gfal2-utils."

- Presented in OMB – 27.05.2014

- Issues identified:
  - No replacement for: lcg-aa, lcg-la, lcg-ra, lcg-uf
    - Solution for lcg-uf - new gfal-legacy-replicas, gfal-legacy-register and gfal-legacy-unregister
  - document gfal-util commands as replacement of lcg-util ones
    - No progress

- New version of UI & WN – 3.1.0
  - Added dependency on gfal2-util

Gfal2-util – status (II)

- References:
  - http://dmc.web.cern.ch/projects/gfal2-utils
  - https://svnweb.cern.ch/trac/lcgutil/wiki/gfaltogfal2/MediumTermProposal
  - https://svnweb.cern.ch/trac/lcgutil/wiki/gfaltogfal2
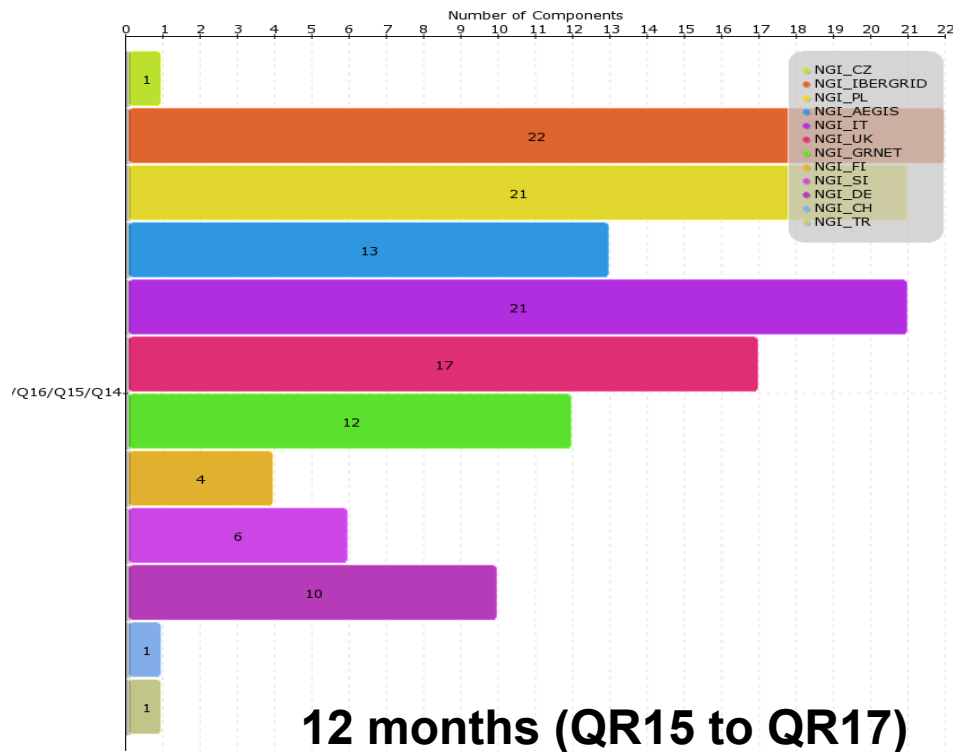
New products "for" UMD

- FTS 3:
    - *"FTS3 is now the production FTS service for all the LHC experiments"*
    - https://wiki.egi.eu/wiki/URT:UMD_products_ID_cards#FTS3
- Frontier Squid
    - https://wiki.egi.eu/wiki/URT:UMD_products_ID_cards#Frontier-Squid
- CVFMS-client
    - http://cernvm.cern.ch/portal/filesystem
- FedCloud middleware – **wish-list**:
    - OCCI-os : https://github.com/IFCA/occi-os
    - Keystone-VOMS : https://github.com/IFCA/keystone-voms
    - ceilometer2ssm: https://github.com/schwicke/ceilometer2ssm
    - rOCCI-server: https://github.com/EGI-FCTF/rOCCI-server
    - rOCCI-client: https://github.com/EGI-FCTF/rOCCI-cli
    - glancepush - https://github.com/EGI-FCTF/glancepush
    - Vmcatcher2 - https://github.com/EGI-FCTF/glancepush-vmcatcher2
    - vmcatcher_eventHndlExpl_ON: https://github.com/grid-admin/vmcatcher_eventHndlExpl_ON
    - cloud-info-provider: https://github.com/EGI-FCTF/BDIIscripts

- Short summary of the UMD software provisioning process:
    - https://wiki.egi.eu/wiki/File:UMD_Software_Provisioning_Process_summary.pdf

- New **CREAM** flavours:
  - LFS v. 2.0.4, SLURM v. 1.0.2, Torque v. 2.1.4 and GE v. 2.3.0 :
    - update of the info-dynamic-scheduler improving the Glue2 support and provides some bug fixes.
- **ARC** v. 13.11.2:
  - This version introduces a fix for a number of bugs and introducing several new features like extending ADL with Rerun option allowing to write/delete to xrootd DMC.
- **APEL** v. 1.2.2:
  - Fix for being unable to parse uncompressed accounting introduced in 1.2.1 – version not released in UMD

Software Provisioning Queue

- **Bdii-core** v. 1.6.0:
  - Minor release containing a set of new features and minor fixes to the following packages: bdii, glue-validator, glue-schema and glite-info-provider-service.
- **WMS** v. 3.6.6
  - Bug fix when setting umask 0077 breaks glite-wms-job-submit and WMProxy deletes a user delegated proxy on list-match operation.
  - It also solve the issue when a given CE with problems causes a WMS to become very slow dealing with all other jobs.
- **UI/WN v.** 3.1.0 : new dependencies on **gfal2-util** & ginfo
- **caNl** v. 2.2.4: bug fix in the caNl-java package in order to solve some OCSP handling

- CERN **Data Management Clients**:
    - **gfal2** v. 2.6.8:
        - Important release with many bug fix, improvements and new functionalities like enabling tests for xrootd, http and dCache.
    - **gfal2-util** v. 1.0: Some importante bug fixes like gfal-copy force not working and gfal-ls hanging.
    - **Davix** v. 0.3.6
    - Other clients like **CGSI-gSOAP** v. 1.3.6, **srm-ifce** v. 1.20.1, **gfal2-python** 1.5.0.
- **dCache server** v. 2.6.31 and **dCache srmclient** v. 2.2.27

Early Adopter status

- At the moment we have 67 different products from different PT's:
    - https://www.egi.eu/earlyAdopters/teams
    - Main PT's are ex-EMI, QCG, IGE, UNICORE and some others with only one component.
    - Currently there are 76 EA teams registered:
        - https://www.egi.eu/earlyAdopters/table
- Many teams are acting as EA for more than one product.

Early Adopter in numbers

12 months (QR15 to QR17)

- A total of 129 reports achieved during last year
- 29 sites contributed with reports spread over 12 NGI's
- 79 components passed staged- rollout with a total of 0 rejections

- Critical components with good coverage (with > 5 teams) like CREAM, VOMS, DPM, WMS, SAM-Nagios
  - but many teams not responding
- **BUT** majority of components with 1 team (QCG, Unicore, Globus) – normally very active
- New products needing EA: **FTS3, CVFMS, SQUID**

Early Adopter Conclusions

- Number of active teams slight dropping over time.
- Some teams increased activity compensating the drop in total number of active teams.
- Also a drop in the number of release per component
- Collaboration between PT's and EGI improved, under URT, allowing a faster introduction of new releases into UMD:
  - Data Management Clients group, ARC, dCache