# Progress of integration activities

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PDC-HPC/KTH

- ARC

- UNICORE

- Globus

- Authorization

- Outlook Technical Forum, Lyon

- Summary: Input needed from NGIs

- ARC probes are fully integrated into Nagios framework
  https://tomtools.cern.ch/confluence/display/SAMDOC/Update-07

  - Status of the probes being displayed in the Dashboard. Both OTAG and COD approved and the corresponding alarms have been switched on for availability calculation and old SAM instance decommissioned (11/04/07 and 11/04/11).

    - org.arc.AUTH
    - org.arc.CA-VERSION
    - org.arc.GRIDFTP
    - org.arc.Jobsubmit
    - org.arc.LFC
    - org.arc.SRM
    - org.arc.SW-VERSION
    - org.arc.csh
    - org.arc.ARC-STATUS

  - They are in different profiles than the ops profiles:

    - in MyEGI and gridmap visualizations the tests are not shown in the same way as the gLite tests.

    - → will be changed later around the end of the year.

  - Mixed data for availability calculation in April

# ARC cont.

- Developers met at the NorduGrid 2011 09 May - 12 May
  - Survey on ARC experience still open until June 1st: http://www.surveymonkey.com/s/arc-experience
  - "Everybody should fill it, even if you don't use ARC any more, or if you are actually a developer. Survey is completely anonymous, so don't hesitate to tell your true mind.  No need to be politically correct."
- ARC released on May 12$^{th}$ as part of EMI release
  http://emisoft.web.cern.ch/emisoft/dist/EMI/1/sl5/x86_64/base/repoview/letter_n.group.html
  - This release corresponds to ARC release 11.05 as of 10$^{th}$ of May (different documentation)
  - As staged rollout managers:
    - Christian Ulrik Soettrup, Danish NGI
    - Sergio Maffioletti, Swiss NGI

- https://wiki.egi.eu/wiki/UNICORE_integration_task_force collecting APs

- Started in February 2011, monthly phonemeetings
  - https://www.egi.eu/indico/categoryDisplay.py?categId=49

- Now high priority in the GOCDB development queue
  - new solution with a timeline of one month for requirement https://rt.egi.eu/rt/Ticket/Display.html?id=975 (ServiceEndPointURLs) which worked as a showstopper.

- → no XML based workaround needed for monitoring. everything else finished, just waiting for GOCDB.

- Discussion on mailinglist about the next stage's GLUE2 based service types names to be integrated in GOCDB.
  - unicore6.registry, unicore6.UNICOREX, unicore6.gateway

# UNICORE accounting

- More tight collaboration with Belarus:
  - The NGI_BY UNICORE Accounting service as presented by andrew lukoshko at the EGI UF got permission to go Open Source!
    - An English version and translated documentation is being prepared for initial export to SourceForge.
    - NGI-DE already became a non open source version as an exception to do some comparison and give feedback
- New release of UNICORE RUS accounting system is available from sourceforge. Major milestone:
  - move to JMS based architecture completed
  - full fail-over support.
  - updated to USE and UNICORE release 6.4.0
    http://unicore-dev.zam.kfa-juelich.de/documentation/rus-accounting-1.3.1/

# Globus

- https://wiki.egi.eu/wiki/Globus_integration_task_force and mailinglist globus-integration-tf@mailman.egi.eu

- First meeting held on Wednesday 4th May.

- Next meeting: mostly dedicated to accounting
  - closed slot in the first EGCF this week in Munich http://www.ige-project.eu/events/egcf1. There will be possibility to phone in: Wednesday 15:35-16:15 CEST

- Question on all NGIS on desired timelines for Globus integration to determine need for a second Early Adopter team for Globus at current stage.

- New service types:
  - Globus Online instead of RFT
  - IIS instead of MDS
  - At the current stage still fine with service types already in GOCDB
- IGE releases
  - 1st announced for end of April is still being finalized.
  - 2nd at the end of this year, will contain Argus.
- Accounting:
  - IGE is taking over the UK developed Grid-SAFE, currently planned to be installed on the LRZ testbed
  - Very interested (as UNICORE) in the EMI wg: https://twiki.cern.ch/twiki/bin/view/EMI/ComputeAccounting

- EMI: Argus as common authorization structure for all middleware stacks.

- EMI release 1 can talk to Argus:
  - but not able to define the default authorization policy yet, some simplified policy language is used. There are unsupported attributes. (e.g. For UNICORE there are owners of resources.

- EMI release 2 (end of this year):
  - Argus to implement and include all these attributes as it has been agreed between UNICORE, ARC and gLite.

    → Most critical updates of Argus by the end of this year, but not much earlier.

- (TSA1.3) GLOBUS integration task force (1.5 H)

- (TSA1.3) UNICORE integration task force (1.5 H)

- 3H: Common DCI workshop? Would prefer to:
  - PRACE EGI Integration BoF (1.5H)
    - Common support
  - Desktop Grid EGI Integration BoF (1.5H)
    - Best Practices
    - Security

- From now on regular updates on interoperation activities in the biweekly Gridoperations meetings.

- Question on all NGIS on desired timelines for Globus integration to determine need for a second Early Adopter team for Globus at current stage.

- All NGIs wanting to join one of the task forces at this stage are welcome!

- NGIs deploying more then one middleware on one site are asked to support the corresponding accounting requirement: https://rt.egi.eu/rt/Ticket/Display.html?id=1607

- NGIs: promote and file the survey on ARC experience on your sites until June 1st: http://www.surveymonkey.com/s/arc-experience