

EGI presentation

WLCG coordination meeting
16-05-2013

- SHA-2 compliance monitoring plan
- UMD 3.0.0
- Decommissioning of ARC probes

- Monitoring based on product version number
 - version information extracted from top-BDII (where available)
 - Ad-hoc probes to be developed (E. Imamagic) and deployed on midmon Nagios (following procedures already in place for gLite and EMI-1 decommissioning)
 - ARC-CE: extract information directly from service instance
 - UNICORE: SHA-2 compliant as of EMI-1
 - GLOBUS: auth probe available from SAM which can be run manually against GLOBUS service instances
 - QCG: TBA
 - FTS: under WLCG coordination
- Only monitor EMI-2 versions to avoid duplication of alarms
 - EMI-1 under decommissioning until end of May 2013

- All EGI operations tools (GOCDDB, GGUS, accounting portal, accounting DB, SAM, msg broker network, Operations Portal) ready for SHA-2
 - https://wiki.egi.eu/wiki/EGI-JRA1_SHA2_Readiness

- P. Solagna/URT: confirm the EMI and IGE minimum version information currently available in the [EGI wiki](#)
- E. Imamagic: develop probes
- T. Ferrari/OMB: define milestones for probe development and deployment of monitoring infrastructure
 - Wait for output of on-going discussions from last EUGridPMA meeting

- Hosted at CERN
- Based on VOMRS
 - VOMRS is not SHA-2 compliant
- EGI request
 - Provide a timeline for upgrade

- UMD 3.0.0 was released on Tuesday
 - Announcement [page](#)
 - Product from EMI-3 released:
 - CREAM, APEL, WMS, LB, DPM LFC, Argus, UI/WN, VOMS, BDII, gLExec, and more
 - APEL and VOMS from the latest EMI update
- Some updates require particular attention
 - APEL clients: a site cannot publish with both UMD-2 and UMD-3 clients. Site managers must update all at once.
 - Sites who want to upgrade need to open a GGUS ticket vs the APEL support unit, to be enabled
 - CREAM by default installs the UMD-3 APEL clients, a [manual](#) is available for the deployment of CREAM with APEL from UMD-2
 - Useful [info](#) for the upgrade from EMI/UMD-2 to EMI/UMD-3 tested during verification

UMD: Future updates

- UMD-2
 - Urgent updates to be released for LB and BLAH
 - Other products in the queue, e.g.: WMS, DPM, WN and UI
 - The urgent updates must be released by the end of next week
 - Based on the status of the other products the release may contain all the pending products for UMD-2 or a subset of them
 - In the worst case we will have to do a final update to empty the queue for UMD-2
- UMD-3
 - Currently processing the other updates released by EMI at the end of April
 - CREAM support for SLURM, GE and LSF; ARC and Unicore
 - Updates for DPM, Argus, UI, Gridsite, and WN
 - StoRM team will release a bug fix release next week
 - Currently StoRM is not in UMD-3
 - Discussions with the developers to extend the security support for few weeks after a successful staged rollout.

- New set of EMI ARC probes will be included in SAM Update 22
 - New metrics and mapping to existing ones
 - org.nordugrid.ARC-CE-ARIS - org.arc.ARC-STATUS
 - org.nordugrid.ARC-CE-IGTF - org.arc.CA-VERSION
 - org.nordugrid.ARC-CE-sw-csh - org.arc.csh
 - org.nordugrid.ARC-CE-sw-gcc - org.arc.gcc
 - org.nordugrid.ARC-CE-sw-perl - org.arc.perl
 - org.nordugrid.ARC-CE-sw-python - org.arc.python
 - org.nordugrid.ARC-CE-result - org.arc.Jobsubmit
 - org.nordugrid.ARC-CE-lfc - org.arc.LFC
 - org.nordugrid.ARC-CE-srm - org.arc.SRM
 - New metrics without old ones
 - org.nordugrid.ARC-CE-submit
 - org.nordugrid.ARC-CE-LFC-submit
 - org.nordugrid.ARC-CE-SRM-submit
 - org.nordugrid.ARC-CE-LFC-result
 - org.nordugrid.ARC-CE-SRM-result
 - To be obsoleted (according to the ARC probe developer)
 - org.arc.AUTH
 - org.arc.SW-VERSION
- https://ggus.eu/tech/ticket_show.php?ticket=88829

- http://wiki.nordugrid.org/index.php/Nagios_Tests#org.arc.AUTH
 - Description: This test checks that the CE is capable of doing authentication. The test performs a gridftp listing of the CE's contact URL and checks that the retrieved list contains a "new" directory.
 - Considered to be not needed

- Probe was originally meant as a convenient way of displaying the ARC versions of all the CEs more than a real probe
- http://wiki.nordugrid.org/index.php/Nagios_Tests#org.arc.SW-VERSION
 - Description: This test reports the middleware version used on the CE as reported in the CE's information system.
 - Comment: check_arcinfosys -H HOST aris is implied by the **new ARIS probe**
 - <http://git.nbi.ku.dk/downloads/NorduGridARCNagiosPlugins/arcinfosys.html#ce-infosys-validation-for-the-nordugrid-and-glue-1-schemas>
 - It performs the following operation:
check_arcce -H HOST aris --queue-test queue-active
and also passes "--enable-glue (or --compare-glue)" to ensure GLUE-1.2 publishing.

How this effects WLCG

- Both metrics are part of WLCG profiles, e.g. WLCG_CREAM_LCGCE_CRITICAL
 - http://grid-monitoring.cern.ch/myegi/sam-pi/metrics_in_profiles/?vo_name=ops&profile_name=WLCG_CREAM_LCGCE_CRITICAL
 - Several ARC-based NGIs already agreed to this change (Finland, Switzerland, Ukraine)
- Request: provide feedback about removal of the two ARC probes by 27-05-2013 (GGUS ticket to Operations SU)