



The Middleware Officer Role

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2014/07/02



New Role in WLCG

From the middle of May it has been decided to create a new Role in WLCG to work on some existing operations tasks and new activities part of the MW readiness WG.

WLCG MW Officer

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Tasks for operations

- Maintain and verify the baseline versions for the MW components
- Communicate with sites not compliant with baseline versions
- Monitor and liaise with EGI and UMD for matters regarding the WLCG MW and versions

Tasks for MW readiness

- Discover new versions ready for entering Readiness verification
- Make sure that new release candidate versions of clients are available in the agreed CVMFS area `grid.cern.ch`
- Communicate with Volunteer sites to agree which version is tested at which Volunteer site and by which VO
- Monitor results of the Volunteer sites to decide on Readiness of a given release being verified
- Decide if versions can enter production at a subset of these sites, if tests should also run under load.
- Announce to the WLCG community the Readiness Verification results by maintaining a new extended baseline versions table

Tasks performed

- Started Participation to Ops and URT meetings
- Taking over the Baseline version maintenance
 - Tier-0/Tier-1 service versions as well
- Contacting sites not complaint with baselines
 - i.e. Broadcasting required upgrades for CVMFS client
- Keeping track of the Issues affecting the infra (from the Middleware point of view)
 - https://twiki.cern.ch/twiki/bin/view/LCG/WLCGBaselineVersions#Issues_Affecting_the_WLCG_Infras

Tasks performed[2]

- AFS Grid Application Area publication to CVMFS
 - PH agreed to give write access to the grid.cern.ch CVMFS area to some IT/SDC people
 - AFS Grid Application published to CVMFS
- Decided to use DPM as pilot PT in order to apply the middleware readiness procedure
 - DPM 1.8.9 is under definition (target beg of July)
 - Understanding the DPM release process and the site involved in the testing and the software verification.

On Going discussions

- WLCG Package Reporter
 - Requirements for the Management interface (how to map packages to Product) and Monitoring (show the “good” versions)
 - Internal discussion with Lionel
- Complete the definition of the client installation procedures
 - WLCG AFS Area -> CVMFS
 - Understand different uses cases for the Experiments (today discussion)

Middleware Readiness - DPM pilot

- DPM Volunteer sites (Edinburgh and GRIF) were configured by the Experiment experts and Site Managers
 - Edinburgh (ATLAS)
 - Panda Resource configured, from the dashboard I see failed HC test at the moment
 - DDM functional tests (transfers) to be setup during Rucio migration
 - GRIF (CMS)
 - HC test configured and running fine
 - Phedex transfers are also OK(Dev instance)
- Not quite understood the plan for LHCb
 - To be discussed

Middleware Readiness - next

- Gradually extend the Middleware procedure to other Products (18 on the list now)
 - HTCondor seems to be the next on the list as discussed also on the Ops coord meeting.
- For each Products make sure volunteer sites are correctly configured
 - Experiment experts and site manager tasks
 - WLCG Package Reporter to be installed.
- Use the WLCG Package Reporter as input for Baselines and Verified MW versions.

Questions?

