

NOTES by Maarten Litmaath & Maria Dimou

**5th Middleware Readiness Working Group meeting** (with audioconf)

Wednesday, 2014/07/02 from 16:00 to 17:30 hrs CEST at CERN ( 513-R-068 )

**Agenda:** [https://indico.cern.ch/e/MW-Readiness\\_5](https://indico.cern.ch/e/MW-Readiness_5)

**Present** (alphabetical order):

**Local:** Vincent Brillault (CERN Computer Security Group, Pakiti expert), David Cameron (ATLAS), Lionel Cons (Monitoring expert, developer), Maria Dimou (chair & notes), Manuel Guijarro (T0), Maarten Litmaath (ALICE & notes), Nicolo Magini (CMS), Andrea Manzi (MW Officer, DPM expert), Andrea Sciaba` (CMS & WLCG Ops Coord chairperson).

**Remote:** Cristina Aiftimiei (EMI), Joel Closier (LHCb), Jeremy Coles (GridPP), Michel Jouvin (GDB chairman).

1. **Minutes** of the 4th meeting of 2014/05/15. Approved. They can be found [HERE](#).

2. **Actions:: 20140318-01 Done.** Details [HERE](#).

3. **Presentation and discussion on the MW Officer's tasks:**

3.1. Discussion on HTCondor:

We are in touch with OSG. Nevertheless, OSG involvement in MW Readiness WG activities has not really started yet.

For HTCondor, ATLAS and CMS computing experts should drive validation of new version, via test instances of pilot factories. They took the **Action 20140702-01** to decide internally if USATLAS or USCMS can take ownership of that, also validating against CREAM and ARC CEs.

Conclusion: Although, HTCondor showed in production that it requires attention, while sorting out the OSG-WLCG testing methods, internally, in the experiments, the MW Officer will take the CREAM CE [from the PT table](#) as the next MW Readiness candidate product (after DPM).

3.2. Discussion on DPM:

This is the product to develop experience with, because the MW Officer is closely related to the development team. The next release (1.8.9) may be postponed to September but time will

be used till then for the set-up and the MW Package Reporter configuration.

Joel took the **Action 20140702-02** to discuss in the LHCb collaboration and document in [their workflow page](#), linked from the WG [twiki](#), if and which sites will participate in the DPM Readiness verification exercise.

#### 4. Discussion on Readiness verification for clients

4.1. The CMS MW Validation documentation is [HERE](#) , also linked from the WG [twiki](#). Status at the time of the meeting was:

- The steps implemented for GRIF have been documented
- Monitoring links show PhEDEx transfer and HammerCloud test job results
- Legnaro volunteered as a CREAM validation site
- glideinWMS experts will be involved to get validation CEs included
- Validation instances should not be tested by normal SAM tests, but could be tested in pre-production with a special VO feed for the time being. A better approach may be found after discussion with the SAM team.

4.2. The ATLAS MW Validation documentation is [HERE](#), also linked from the WG [twiki](#). It contains configuration details and monitoring links. Status at the time of the meeting was:

- functional tests have been delayed until migration to Rucio has finished
- not clear from which CVMFS repository clients should be taken: the atlas one or grid.cern.ch (which is, currently, a mirror of the Applications Area on AFS). To use that repository, ATLAS client setup scripts would need changes; not clear how feasible or desirable that is. **Action 20140702-03** on David to clarify the ATLAS position.

4.3. MW Readiness Verification general discussion summary:

- Experiments should be driving this effort according to their own workflows' needs e.g. they should refer to their sites using their own naming scheme.
  - The MW Officer will work with the experiments for validation activities, while contacting sites directly e.g. if they are below the baseline.
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- MW versions to be tested may not be decidable by a single experiment.
- The best would be to test every version, but for some MW products this is not realistic, hence test as many versions as feasible.
- It may still be desirable to have an overall UI/WN version in grid.cern.ch that will pull in a set of clients that are known to work together.
- CMS would like to also take from CVMFS the few clients they use (e.g. lcg-cp).
- The structure of grid.cern.ch will be presented in the Ops Coordination meeting on July 24.

**Action 20140702-04** on the MW Officer, Andrea M.

## 5. The WLCG Package Reporter

Lionel the installation [instructions](#). Discussion clarified the following points:

- Pakiti v.2 doesn't match our needs, as it is weak in the data *collection* part. The Pakiti dev. team were looking for a new developer and hoped to have a beta release of version 3 in the autumn. Lionel is in touch and we shall converge to a common solution (also allowing for local Pakiti instances), if satisfied by the next version.

- For now we will use the prototype developed by Lionel to gain experience. **Action 20140702-05** on *Volunteer Sites* to deploy the WLCG Package Reporter according to the instructions on the Twiki page. All [linked](#) from our WG twiki, as well.

- The site name shall be the official name in the GOCDB.

- We start with the DPM *Volunteer Sites* (**Action 20140702-05** on Edinburgh, GRIF) to see if the instructions are sufficient, then ask other *Volunteer Sites* to follow for DPM and add site Legnaro for the Readiness Verification of the CREAM CE.

- Currently, the WLCG Package Reporter's DB exists only centrally, allowing the MW Officer to see through SQL queries what MW is deployed; a GUI will be developed. **Action 20140702-**

06 on Lionel and Andrea M.

6. Next (6<sup>th</sup>) meeting: Wednesday 1<sup>st</sup> October 2014 at 16:00hrs CEST at CERN with audioconf and vidyo.

7. A.O.B. None.

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Action	Description	Status
20140702-06	Andrea M & Lionel	<b>Pending.</b> Discuss the visualization of testing results.
20140702-05	Volunteer Sites	<b>Pending.</b> Install the WLCG MW Package Reporter and report on the clarity of the instructions.
20140702-04	Andrea M.(MW Officer)	<b>Pending.</b> Present the status of DPM Readiness verification exercise at the 20140724 WLCG Ops Coord Meeting.
20140702-03	David C. (ATLAS)	<b>Pending.</b> Clarify the ATLAS position on the CVMFS use and the exact location for clients' candidate releases.
20140702-02	Joel (LHCb)	<b>Pending.</b> Discuss in the LHCb collaboration and document in <a href="#">their workflow page</a> , linked from the WG <a href="#">twiki</a> , if and which sites will participate in the DPM Readiness verification exercise.

20140702-01	Andrea S. (CMS) & David C.(ATLAS)	<b>Pending.</b> Decide internally if USATLAS or USCMS can take ownership of HTCondor new versions' validation, via test instances of pilot factories., also validating against CREAM and ARC CEs.
20140318-01	MariaD to edit the Guidelines and Product Table on the MW WG <a href="#">twiki</a> .	<b>Done.</b> <a href="#">the Guidelines and the Product table have been updated on our twiki.</a>
20140318-02	Maarten to add the ALICE row on the MW WG <a href="#">twiki</a> ( <a href="#">Experiment Workflows' section</a> ).	<b>Postponed.</b> ALICE has other priorities at the moment.