



# Middleware Verification Status

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# ATLAS

<https://twiki.cern.ch/twiki/bin/viewauth/AtlasComputing/MiddlewareReadinessWorkingGroup>

**DPM**

**Cream-ce**

**dCache**

**Storm**

# DPM

- DPM 1.8.9
- Volunteer site : Edinburgh
- Package reporter correctly installed
- Verification Status
  - Panda Jobs and Rucio transfers are ok
  - BUT..
  - Wahid discovered an issue on the latest dmlite 0.7.1 part of DPM, where the gridftp server logs always at maximum level
  - Not possible to spot via current testing, required site admin internal monitoring
- DPM 1.8.9 failed to be verified
  - Fix has been released and under testing

# CREAM-CE

- CREAM CE 1.16.4
- Volunteer site: INFN-NAPOLI
- Package reporter correctly installed
- Verification Status
  - The Panda queue has been setup but no jobs are sent
  - Under investigation by D. Cameron and other experts

# dCache

- dCache 2.6.35 and 2.11.0
- Volunteer sites : Triumpf (2.6.25) and NDGF (2.11.0)
- Package reporter not installed
- Verification Status
  - Triumpf Panda jobs and Rucio Transfers are Ok
  - dCache 2.6.35 can be considered verified ( already in UMD)
  - NDGF Rucio Transfers are fine but still no jobs are running on the configured queue
- dCache 2.11.0 still to be verified

# Storm

- Storm 1.11.5 ( and 1.11.6?)
- Volunteer sites : QMUL and INFN-T1
- Package reporter not installed
- Verification Status
  - QMUL(1.11.5) Rucio Transfers are ok, Panda Jobs queue has been setup but no jobs are running yet
  - INFN-T1 has not yet installed the node for MW readiness and it's not clear if it's going to install v 1.11.5 or v 1.11.6
- Storm verification to be completed

# CMS

<https://twiki.cern.ch/twiki/bin/view/CMSPublic/MiddlewareValidation>

**DPM**

**Cream-CE**

**dCache**

**EOS**

# DPM

- DPM 1.8.9
- Volunteer site: GRIF
- Package reporter correctly installed
- Verification Status
  - After the upgrade the sites was affected by HW issues ( not only the pre-prod but also the production site..)
  - At the moment HC jobs and Phedex transfers are fine
  - But
  - Given the problem encountered by Edinburgh we will ask to install the fix and repeat the verification process

# CREAM-CE

- CREAM CE 1.16.3
- Volunteer site: INFN-LNL-2 (Legnaro)
- Package reporter correctly installed
- Verification Status
  - Node ready since August
  - Still waiting for HC jobs configuration
  - A. Sciaba' to report about this
- Will ask site manager to upgrade to v 1.16.4 when we will have test set up

# dCache

- dCache 2.6.35
- Volunteer site: PIC
- Package reporter not installed
- Verification Status
  - Ongoing discussions with Antonio and Pepe from PIC
  - The Node has not been configured yet
  - To understand the status and go for a newer version of dCache

# EOS

- EOS v?
- Volunteer site: CERN
- Package reporter not installed
- Verification Status
  - Node ready, CMS tests to be setup

# LHCb

<http://lhcb-release-area.web.cern.ch/LHCb-release-area/DOC/lhcbdirac/rst/html/Certification/tree.html>

**voms-client**

# VOMS-Client

- Voms-client 3.0.4 under verification
- Status?
  
- New version has been released in EMI ( 3.0.5)
- If interested we can install it on WLCG Grid AA and CVMFS for testing

# Next Activities

- dCache has released many new versions, also to fix problems spotted by WLCG
  - dCache 2.11.2
  - dCache 2.6.38
  - To Ask volunteer sites to upgrade
- DPM 1.8.9 and Storm 1.11.5 verification to be completed together with CREAM-CE 1.16.4
- EOS tests to be setup

# New verifications?

- A new version of HT-Condor has been released, 8.2.4 on 12 Nov
- [http://research.cs.wisc.edu/htcondor/manual/v8.2.4/10\\_3\\_Stable\\_Release.html](http://research.cs.wisc.edu/htcondor/manual/v8.2.4/10_3_Stable_Release.html)
- We should understand if the version contains fixes for condor-g to be tested from ATLAS Pilot Factory and if we have ATLAS sites interested in testing HT-Condor CE

# New verifications?

- FTS3 both on the lists for CMS and ATLAS
  - Pilot FTS3 deployment can be used for this purpose?
  - We should then agree on the Workflows to use
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- Xrootd is on the list of product for ATLAS
  - Since it's part of EOS can we test it while verifying EOS for ATLAS?
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- WN is on the list for CMS. To contact GRIF as volunteer site

# CVMFS grid.cern.ch

DMC (Data Management client) development team is thinking to install DMC libs on the grid.cern.ch CVMFS as part of the release process

- As soon they are pushed to epel-testing, they will be installed in WLCG Grid AA and then to CVMFS
- Are ATLAS/CMS/LHCb interested in this?

# MW readiness and EGI Staged Rollout

- We need Staged Rollout as we cannot automatically tests all software corners (see DPM issue)
- And EGI can benefit from our testing as well
- Participation to URT meetings every 2 weeks
  - For us to understand software released by PTs and validated by Staged Rollout
  - Slot for MW readiness to report about our verifications

# Other activities

- Testing package reporter via job submission
  - I have include it as job payload and done some tests at CERN-PROD
  - If agree we can continue and extend the test to get info from all WNs deployed at CERN
  - This will be important to test also scalability of the Package Collector
- No progresses on MW readiness DB, waiting for decisions around Pakiti integration ( see Lionel presentation)

# MW readiness Jira

- <https://its.cern.ch/jira/browse/MWREADY>
- All activities are tracked via labeled tickets
- i.e. X product, Y site, Z experiment
  
- New Dashboard to understand the MW under verifications:
- <https://its.cern.ch/jira/secure/Dashboard.jspa?selectPageId=15100>

# Questions?

