





MW Readiness Verifications and Tools status

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Verifications Report



ATLAS

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

DPM

Cream-CE - no updates

dCache

StoRM

HT-Condor (condor-g) - no updates

DPM

- DPM 1.8.9 with DPM-DSI 1.9.5-3
- Volunteer site : Edinburgh
- pakiti-client installed
- Verification Status :
 - Discussed with ATLAS to perform deletion test via gridftp in RUCIO
 - Based on the new gridftp redirection mechanism
 - Site manager @Edinburgh will setup the gridftp redirection next week

dCache

- dCache 2.10.28, 31 and 2.12.[9,12]
- Volunteer sites : Triumpf (2.10.x) and NDGF (2.12.x)
- pakiti-client not installed
- Verification Status
 - Issue in production for versions $\leq 2.10.28$ and 2.12.8 related to DB table memory leak
 - Both sites installed the fixed versions
 - Quite difficult to spot via experiment testing..
 - dCache 2.10.28, 2.10.31 and 2.12.[9,12] verified
 - dCache 2.10.33 and 2.12.13 released yesterday

dCache [cont]

- Issue related to srm bringonline was also found in production
- We didn't test this part of the ATLAS workflow so far
- Discussion with D.Cameron and TRIUMF to enable this kind of testing (staging tests)
 - TRIUMF kindly setup a separate tape library for MW Readiness testing, thanks!
 - D. Cameron has configured the tests today

StoRM

- StoRM 1.11.8 and 1.11.9
- Volunteer sites : QMUL and INFN-T1
- Pakiti-client installed at QMUL
- Verification Status
 - QMUL: update to 1.11.9 last week, everything looks ok
 - StoRM 1.11.9 verified at QMUL
 - CNAF: Storm 1.11.8 installed, but there are some issue in the configuration as reported by D. Cameron
 - <https://its.cern.ch/jira/browse/MWREADY-61> (fixed this morning)

CMS

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

DPM

Cream-CE – no updates

dCache

EOS – no updates

ARC-CE

DPM

- DPM 1.8.9 with DPM-DSI 1.9.5-3
- Volunteer site: GRIF
- pakiti-client installed
- Verification Status:
 - A.Sartirana made tests with gridftp redirection also as part of the DPM collaboration
 - Found some problem with checksumming via Phedex tests
 - The fix is under release by DPM dev team

dCache

- dCache 2.12.11
- Volunteer site: PIC
- pakiti-client installed
- Verification Status
 - Great effort to setup the node and the tests in the last weeks
 - Phedex tests and HC jobs are running fine
 - WLCG Monitoring to be configured (to map the PIC node to a new site name)
 - More details from Antonio

ARC-CE

- ARC-CE 5.0.0
- Volunteer site: Brunel
- pakiti-client installed but not on the MWR nodes
- Verification Status
 - ARC-CE installation done and tests configured
 - No issue reported related to our tests, only a problem related to submission via WMS (not used in WLCG) reported by the Site Manager
 - ARC CE 5.0.0 verified

AOB

- ARGUS testing
 - See Marteen's presentation
- dCache.org node
 - not yet ready for testing

Tools Report



Pakiti client v3.0.1

- The new 3.0.1 version supporting the "tag" option is in EPEL
 - currently in "testing"
 - soon to become "stable"
 - <https://admin.fedoraproject.org/updates/pakiti>
- the next version will support Debian, FreeBSD and OpenBSD
 - thanks to patches submitted through GitHub
 - no release date yet since these are not a priority for MWR

MWR package database

- The collector service is being moved to new virtual machines
- everything is ready except the CERN firewall opening (should come very soon)
- the package database fully supports the "tag" option
 - default is "UNKNOWN" if not given via the Pakiti client
 - should be set to "MWR" for volunteer sites' machines
- the instructions on Twiki have been updated to use the new VMs
 - they will be updated to describe the "tag" option after EPEL's stable
 - <https://twiki.cern.ch/twiki/bin/view/LCG/MiddlewarePackageReporter>

Plans

- wait for pakiti-client 3.0.1 to be in EPEL stable
- for all volunteer sites:
 - upgrade the pakiti-client rpm (yum update)
 - change the configuration file to use the new service
 - set the tag by adding "--tag MWR" to Pakiti client's invocation
- switch off the old VMs when everybody has moved
 - tentative date: end of July

Pakiti-client installation status

- Most of the sites participating to MW readiness are correctly running the pakiti client
- But some are missing:
 - NDGF
 - TRIUMF
 - CNAF
- To contact sites together with the new instructions.

MW Readiness App

- Production Instance is available
- <https://wlcg-mw-readiness.cern.ch/>
 - This first version offers WLCG MW products and baseline management
 - Admin interface (local accounts for now, integration with SSO ongoing)
 - Rest APIs

Baselines Views

Baselines

[current](#)

[1-0-2](#)

[1-0-1](#)

[1-0-0](#)

Baseline current

APEL-SSM	2.1.5	Release notes
APEL-client	1.3.1	Release notes
ARC-CE	3.0.3	Release notes
ARC-Infosys	3.0.1	Release notes
ARGUS	1.6.1	Release notes
BDII	1.6.0	Release notes
CASTOR	2.1.14-14	Release notes
CASTOR-SRM	2.11-0	Release notes
CREAM-CE	1.6.4	Release notes
CernVM-FS	2.1.19	Release notes
DPM	1.8.9	Release notes
FTS	3.2.33	Release notes
Frontier-Awstats	6.9-1.1	Release notes
Frontier-Squid	2.7.STABLE9-22	Release notes
Frontier-Tomcat	6.0.37_3.31-1	Release notes
GFAL2	2.7.8	Release notes
GFAL2-utils	1.1.0	Release notes

Admin Views

MW Readiness Web Application

Login

Username:

Password:

Log in

MW Readiness Web Application andrea

[Home](#) > [Mwdb](#)

Mwdb administration

Mwdb		
Archs	+ Add	≡ Change
Baselines	+ Add	≡ Change
Oss	+ Add	≡ Change
Product versions	+ Add	≡ Change
Products	+ Add	≡ Change
Report packages	+ Add	≡ Change
Reports	+ Add	≡ Change
Repositories	+ Add	≡ Change
Rpm patterns	+ Add	≡ Change
Sites	+ Add	≡ Change
Vos	+ Add	≡ Change

REST-API

HTML View

- <https://wlcg-mw-readiness.cern.ch/apis/>
- Basic CRUD operations

Non CRUD ops examples:

- Get current baseline for a product
 - `curl 'http://wlcg-mw-readiness.cern.ch/apis/products/DPM/get_baseline/'`

On going Developments

- Integration with PK DB to be updated to make use of the TAG information:
 - To distinguish packages installed on the production and MWR nodes
- New View to show the Product versions installed at the Site (based on the packages installed)
 - <http://mw-readiness-dev.cern.ch/sites/>

On going Developments

- SSB Integration:
 - <http://mw-readiness-dev.cern.ch/ssb/DPM/>
- It calculates for each site running the given product, the percentage of hosts running a version \geq the current baseline
- Info Polled by SSB metrics
 - <https://wlcg-mon-dev.cern.ch/dashboard/request.py/siteview?view=MWR#currentView=MWR>

What's next

- Caching mechanism is under implementation
- New View to give the access to Site-Managers to the packages installed at their site hosts (access based on certificates) is also planned
 - Similar to what Pakiti server does

What's next

- The plan is to complete the SSB integration + View for Site-managers (only available for MW readiness sites) end of July
- The extension of this activity to the production infra will be discussed then.

<https://its.cern.ch/jira/browse/MWREADY>

Questions?

