






MW Readiness Verification Status

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ATLAS

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

DPM

Cream-CE

dCache

StoRM

HT-Condor (condor-g) **NEW!**

DPM

- DPM 1.8.9 with DPM-Xrootd 3.5.2
 - Xrootd4 integration
- Volunteer site : Edinburgh
- Package reporter -> pakiti-client OK!
- Verification Status : OK! No issues reported
 - No automatic tests for xrootd available but tests run manually by the site admin
- No new DPM releases to verify for the moment
- N.B. Edinburgh site admin left, less effort allocated while hiring a new one.

CREAM-CE

- CREAM-CE 1.16.4
- Volunteer site: INFN-NAPOLI
- Package reporter -> pakiti-client OK!
- Verification Status
 - OK! No issues reported
- Ask Alessandra to upgrade to 1.16.5 for verification

dCache

- dCache 2.10.18 and 2.11.x (from 2.11.4 to 2.11.9)
- Volunteer sites : Triumf (2.10.18) and NDGF (2.11.x)
- pakiti-client not installed
- Verification Status
 - Possible issue reported to dCache (seen both at Triumf and NDGF)
 - exception when performing SRM operations via FTS
- NDGF moved to 2.12.x (also in production) new golden release
 - Verification ongoing

StoRM

- StoRM 1.11.5/1.11.6/1.11.7/1.11.8
- Volunteer sites : QMUL and INFN-T1
- Pakiti-client installed at QMUL
- Verification Status
 - QMUL: tests ran ok on 1.11.5/1.11.6 -> verified
 - While running verification on 1.11.7 we found some FTS transfer error and StoRM in the meantime released an a fix (1.11.8) for an issue affecting releases from 1.11.5 on...
 - 1.11.8 installed and verification on-going
 - CNAF -> no news

HT-Condor (condor-g)

- We agreed to test the condor-g component on some testing ATLAS Pilot Factories
- Thanks to David, one of the testing Pilot factories have been configured to send pilots to our MW readiness Panda Queues
- Still to understand how to interpret the test result and which version of HT-condor is running
- To start working on it ASAP (action for me)

CMS

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

DPM

Cream-CE

dCache

EOS

ARC-CE NEW!

DPM

- DPM 1.8.9 with DPM-Xrootd 3.5.2
 - Xrootd4 integration
- Volunteer site: GRIF
- Package reporter -> pakiti-client OK!
- Verification Status -> Ok! No issues reported
 - No automatic tests for xrootd but tests run manually by the site admin
- No new DPM releases to verify for the moment

CREAM-CE

- CREAM CE 1.16.5
- Volunteer site: INFN-LNL-2 (Legnaro)
- Package reporter -> pakiti-client OK!
- Verification Status
 - Finally one of the Glidein factories have been configured to send jobs towards Legnaro
 - HC jobs are running ok since then
 - CREAM CE 1.16.5 Verified

dCache

- dCache 2.6.x /2.10.x?
- Volunteer site: PIC
- Verification Status
 - The Node has not been configured yet
- PIC has no news for this task
- Given the possible use of other test machines for dCache (see later), maybe we can ask PIC to volunteer for other MW verifications

EOS

- EOS v 0.3.74
- Volunteer site: CERN
- pakiti-client not installed
- Verification Status
 - Node ready, HC jobs are ok but CMS Phedex tests are still under setup
 - To discuss with A. Sciaba' when they will be ready.

New verification – ARC-CE

- ARC-CE 5.0.0 (final release this week)
- Volunteer site: Brunel
- pakiti-client installed
- Verification Status
 - To contact the site manager as soon as ARC-CE is released
 - CMS tests under setup

LHCb

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

voms-client

VOMS-Client

- New version has been released in EMI (3.0.6)
- No news from LHCb if this version has been tested

New verifications – Argus

- During the Argus collaboration meeting in December it has been agreed to perform Argus scalability tests in the context of Middleware Readiness WG
- Maarten agreed with CERN T0 to have a testbed installed here
- any news on this task?

New verifications? – Xrootd 4

- Sites are installing Xrootd4 (also T1)
- ATLAS is pushing for it for the FAX federation
- It's also mandatory to support IPV6 deployments

- We should understand if there are volunteer sites available (PIC?) or we can just have reports from Production sites already running it

New verifications? – WN for CMS

- During the last meeting we decided to start the verification at GRIF
- Contacted A. Sciaba' for this task
- Looks like few libs are used by CMS from the WN distribution
 - We decided to give low priority to this task at the moment

dCache Prometheus node

- dCache trunk machine provided by dCache.org automatically reinstalled every-night.
- P. Millar contacted us to see if we can include this node in our CMS and ATLAS verification tests
- Andrea and David already reported their requirements (e.g. Source Datasets to be kept at every reinstallation)
- Waiting for dCache people to implement this change

MW Readiness App

- Not yet the official name... it provides different functionalities:
 - Allows storing of verification reports
 - Maps packages to MW Product versions
 - Stores packages from Yum repo associated to Products (“reference” packages)
 - Allows understanding product versions tested and “baselines”
 - Hosts WG Web Site

MW Readiness App REST-API (CRUD ops)

```
Api Root

Api Root OPTIONS GET

GET /

HTTP 200 OK
Content-Type: application/json
Vary: Accept
Allow: GET, HEAD, OPTIONS

{
  "productpersite": "http://mwready01.cern.ch:8080/productpersite/",
  "users": "http://mwready01.cern.ch:8080/users/",
  "rpmproducts": "http://mwready01.cern.ch:8080/rpmproducts/",
  "archsperproduct": "http://mwready01.cern.ch:8080/archsperproduct/",
  "repositories": "http://mwready01.cern.ch:8080/repositories/",
  "sites": "http://mwready01.cern.ch:8080/sites/",
  "reports": "http://mwready01.cern.ch:8080/reports/",
  "productversions": "http://mwready01.cern.ch:8080/productversions/",
  "osperproduct": "http://mwready01.cern.ch:8080/osperproduct/",
  "rpmpatterns": "http://mwready01.cern.ch:8080/rpmpatterns/",
  "vos": "http://mwready01.cern.ch:8080/vos/",
  "products": "http://mwready01.cern.ch:8080/products/",
  "productversionsperbaselines": "http://mwready01.cern.ch:8080/productversionsperbaselines/",
  "packages": "http://mwready01.cern.ch:8080/packages/",
  "os": "http://mwready01.cern.ch:8080/os/",
  "baselines": "http://mwready01.cern.ch:8080/baselines/",
  "archs": "http://mwready01.cern.ch:8080/archs/"
}
```

<http://mwready01.cern.ch:8080/>

MW Readiness App REST-API (non CRUD)

- baseline for a product
 - `curl 'http://mwready01.cern.ch:8080/products/DPM/get_baseline/'`
- Product version from a list of packages
 - `Curl -X POST`
`'http://mwready01.cern.ch:8080/utils/get_product_version/' -H`
`"Content-Type: application/json" -d '{"package":"0:dpm-libs-1.8.9-`
`2.el6.x86_64"},{"package":"0:dpm-1.8.9-2.el6.x86_64"}'`
 - Used by local script to understand if installed software is compliant with the baseline
- Set the packages for the specific Product version id (fetched from the associated yum repos)
 - `Curl -X POST`
`'http://mwready01.cern.ch:8080/productversions/4/set_packages/'`

MW Readiness App Admin

Site administration

Auth		
Groups	+ Add	≡ Change
Users	+ Add	≡ Change

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

Recent Actions	
My Actions	
+ 1-0-1	Baseline
+ 1-0-0	Baseline
× 1.0.0	Baseline
× 1.0.1	Baseline
≡ LFC	Product
≡ StoRM	Product
≡ LFC	Product
+ lfc	Rpm pattern
≡ StoRM	Product
+ storm	Rpm pattern

<http://mwready01.cern.ch:8080/admin>



MW Readiness Web Site

MW Readiness WG Site

Home

Baselines

Products

Welcome to the WLCG Middleware Readiness WG Site

Mandate:

- To ensure that operation won't suffer when a site is called to upgrade to version X of Middleware (MW) package Y, i.e. that versions are not only tested and certified internally by the Product Teams (PT), validated by the EGI staged rollout but also ready to be used in operation at the sites, integrated into the experiment workflows.
- The Working Group (WG) concentrates on european WLCG sites, as the OSG sites are covered by an experiment expert at the site who takes care of the software to be deployed. Any OSG-EGI inter-operability issues are handled at the monthly meeting, (3rd Friday of each month at 16hrs CET/CEST) from where we can draw advice.

For all informations regarding the WG please check our [Twiki page](#)

MW Readiness WG Site

Home

Baselines

Products

Products

- [ARC-CE](#)
- [CREAM-CE](#)
- [dCache](#)
- [DPM](#)
- [LFC](#)
- [StoRM](#)

MW Readiness App Next Steps

- Complete APIs/admin ifce implementation
- Complete Web Site
- Start using the app for WLCG baselines management by May/June
- Start using the app for MW readiness verification management by June/July
- Integration with Dashboard (Lionel)

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

Questions?

