

Table of Contents

Middleware Readiness WG.....	1
Mandate.....	1
Members.....	1
JIRA tracker.....	1
Baseline Versions.....	1
Products.....	1
Experiment workflows.....	2
Volunteer Sites.....	2
Procedure Guidelines.....	2
Actions for the experiments.....	3
Actions for the Volunteer Sites.....	3
WLCG MW Officer Tasks.....	3
Archive.....	3

Middleware Readiness WG

Mandate

- To help ensure that operations won't suffer when a site upgrades 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 to the extent needed.
- The Working Group (WG) concentrates on WLCG sites in **EGI**, as the OSG sites are run in close collaboration with the LHC experiment US projects which advise on the software to be deployed. Potential OSG-EGI interoperability issues should be reported to the MW Officer and/or WLCG Operations Coordination.

Members

See the members [of the e-group wlcg-ops-coord-wg-middleware](#).

JIRA tracker

The MWREADY [tracker](#). Alternative Dashboard view [view](#).

Baseline Versions

WLCGBaselineVersions

Products

The list of candidate products for MW Readiness Validation will change over time, depending various factors.

Product	Contact	Test Repository	Production Repository	Used by which experiment	Comments
dCache	P. Fuhrmann	same as prod repo	dCache site + UMD	All	
StoRM	A. Ceccanti	same as prod repo	StoRM site + UMD	ATLAS, CMS, LHCb	
EOS	A. Peters , L Mascetti	same as prod repo	yum repos	All	ATLAS tests via Hammercloud
xrootd	A. Hanushevsky G. Ganis (vomsxrd plugin)	EPEL testing	EPEL stable	All	
DPM	O. Keeble	EPEL testing	EPEL stable	All	
FTS3	A. Manzi	EPEL testing	EPEL stable	ATLAS, CMS, LHCb	
VOMS client	A. Ceccanti	same as prod repo	VOMS site + UMD + MAVEN for java stuff	All	
HTCondor	Tim Theisen (HTCondor), Tim	downloads (Development)	downloads (Stable)	All	CMS position: The testing that OSG and

	Cartwright (OSG Middleware), Rob Quick (OSG Ops)	Release)	Release)		in particular the glideinWMS developers do, is enough. ATLAS position here
CVMFS ↗	J.Blomer, D.Dykstra	here ↗ disabled by default	cvmfs site ↗	All	Release procedure ↗ . D.Dykstra runs the OSG tests.
ARC CE ↗	Balazs.Konya (hep.lu.se)	EPEL testing (but also <i>final tags</i> in OS-specific repos) & ARC own repos ↗ for yum & apt <i>release candidates</i>	Nordugrid web site ↗ , includes prod and test variants	All	Puppet code ↗
CREAM CE EL7 ↗ , SL6 ↗	M. Verlato	UMD Preview	UMD	All	
Argus ↗	A. Ceccanti	Argus site ↗ , UMD Preview	UMD	All	
UI		UMD Preview	UMD	All	
WN		UMD Preview	UMD	All	Puppet code ↗
DM clients ↗	A. Manzi, O.Keeble	EPEL testing	EPEL stable	Atlas, CMS, LHCb	

Experiment workflows

- ATLAS documentation
- CMS documentation

ALICE and LHCb have not had the resources to participate in these efforts.

Volunteer Sites

Volunteer Site	Experiment VO	Middleware product to test	Contact	Comments
TRIUMF	ATLAS	dCache SE	Simon Liu, Di Qing	
NDGF-T1	ATLAS	dCache SE		
Edinburgh	ATLAS	DPM SE	Robert Currie	
IN2P3-LAPP	ATLAS	DPM	Frederique Chollet	
QMUL	ATLAS	StoRM SE	Daniel Traynor	
INFN-T1	ATLAS	StoRM SE	Daniele Cesini	
Napoli	ATLAS	CREAM CE	Alessandra Doria	
CERN	ATLAS, CMS, LHCb	FTS3	Andrea Manzi	
CERN	CMS	EOS	Luca Mascetti	
PIC	CMS	dCache	Antonio Perez-Calero	
GRIF_LLRL	CMS	CREAM CE/WN, DPM	Andrea Sartirana	
Legnaro	CMS	CREAM CE	Massimo Sgaravatto	
Brunel	CMS	ARC CE	Raul Lopes	

Procedure Guidelines

- The validation of a new version will need to have a deadline in practice.

- A new version may get deployed independently e.g. to fix ongoing issues.

Actions for the experiments

- The experiment writes and maintains a document with concrete instructions to the *Volunteer* sites on how to configure their parallel infrastructure for readiness verification through designated workflows.

Actions for the *Volunteer* Sites

- Set up an environment where new versions of the chosen MW can be quickly deployed, in order to be validated by the supported experiment(s). This will typically be parallel to the production infrastructure, but this is not a strict requirement.

WLCG MW Officer Tasks

See WLCGMWOfficerTasks.

The MW Officer can be reached through the `wlcg-middleware-officer` e-group.

Archive

MiddlewareReadinessArchive

This topic: LCG > MiddlewareReadiness

Topic revision: r2 - 2018-03-01 - AndreaManzi



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