

# MW Readiness Software Status

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# MW Readiness Software Uses

- define MW information like product names, versions, baselines...
- replace static wiki information (e.g. baseline) by dynamic (so up to date) information
- support the management of the verification activity (reports)

# Two Layers

## Package layer:

- uses the Pakiti 3 client to collect installed rpms
- offers a REST API to its protected package DB
- is used by the MW Officer & the next layer

## Middleware layer:

- consolidates middleware information from:  
package database, software repositories, test reports, defined baselines...

# MW Package Reporter

- the reporter to use is the Pakiti 3 client
- installation instructions are on our wiki
- all volunteer sites *must* report to us
  - required by MW Officer to validate test results
- other sites *may* report to us
  - the more information we get, the better
- the REST API is now mature
- next: service consolidation and monitoring

# MW Readiness App

Not yet the official name... it provides different functionalities:

- stores MW related information (inc. test results)
- maps packages to MW product versions
- interacts with the package database
- interacts with reference software repositories
- defines what baselines are
- provides web pages and REST API

# MW Readiness App Status

Started to use CERN AI tools:

- moved to GitLab <https://gitlab.cern.ch/amanzi/wlcmwreadiness-app>
- standard packaging and Koji builds
- new OpenStack project
- puppetized configuration
- development and production VMs deployed

# MW Readiness App Status

The production instance can now be used for baselines management:

- <http://mw-readiness-prod.cern.ch:8080/site/baselines/>
- information will be kept up to date
- firewall opening is needed
- as well as a “nice” alias...

# Baseline Views

## Baselines

current

April 28, 2015, 10:03 a.m.

1-0-2

April 23, 2015, 12:59 p.m.

1-0-1

1-0-0

### Baseline current

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



# Integration with SSB

Motivation: use SSB to present a high-level view on MW readiness information.

Design:

- information in SSB is public: no individual host or rpm information exposed
- one metric per product, the “*percentage of the hosts on the site running a recent enough version of the product according to the current baseline*”

# Integration with SSB



Index Expanded Table

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Copy Print Save view: MWR Search...

Site Name	MWR-CREAM-CE	MWR-dCache	MWR-DPM	MWR-StoRM
CERN-DPM-TESTBED			100	
GRIF-LLR	100		100	
INFN-NAPOLI-ATLAS	100			
NDGF-T1		100		
T2_IT_Legnano	100			
TRIUMF		100		
UKI-LT2-QMUL				100
UKI-SCOTGRID-ECDF			100	

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Found a bug?

# Integration with SSB Status

- created proof of concept metrics with dummy information in the development SSB
- defined MW readiness app extensions
- next:
  - have a working prototype for next WG meeting
  - understand load and caching needs
  - investigate providing more (but protected) information in the MW readiness app

# Questions?