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/wlcg-mwreadiness-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

MW Readiness WG Site **Baselines** Sites **Products** Reports Product Versions **Baselines** current April 28, 2015, 10:03 a.m. 1-0-2 April 23, 2015, 12:59 p.m. MW Readiness WG Site 1-0-1 **Baseline current** 1-0-0 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 3.2.33 Release notes Frontier-Awstats 6.9-1.1 Release notes Frontier-Squid 2.7.STABLE9-22 Release notes 6.0.37_3.31-1 Frontier-Tomcat Release notes GFAL2 2.7.8 Release notes **GFAL2-utils** 1.1.0 Release notes



Integration with SSB

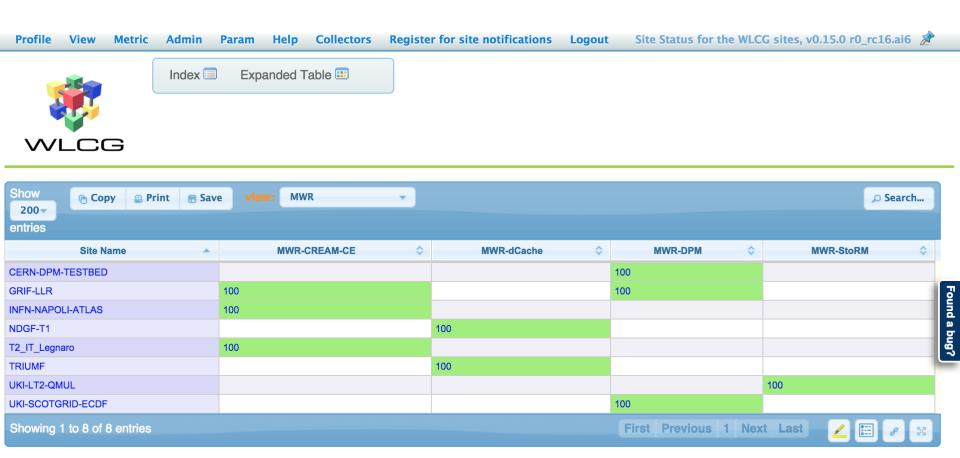
Motivation: use SSB to present a high-level view on MW readiness information.

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





Integration with SSB Status

- created proof of concept metrics with dummy information in the <u>development SSB</u>
- 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?

