MW Readiness Software Status

Lionel Cons & Andrea Manzi

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:

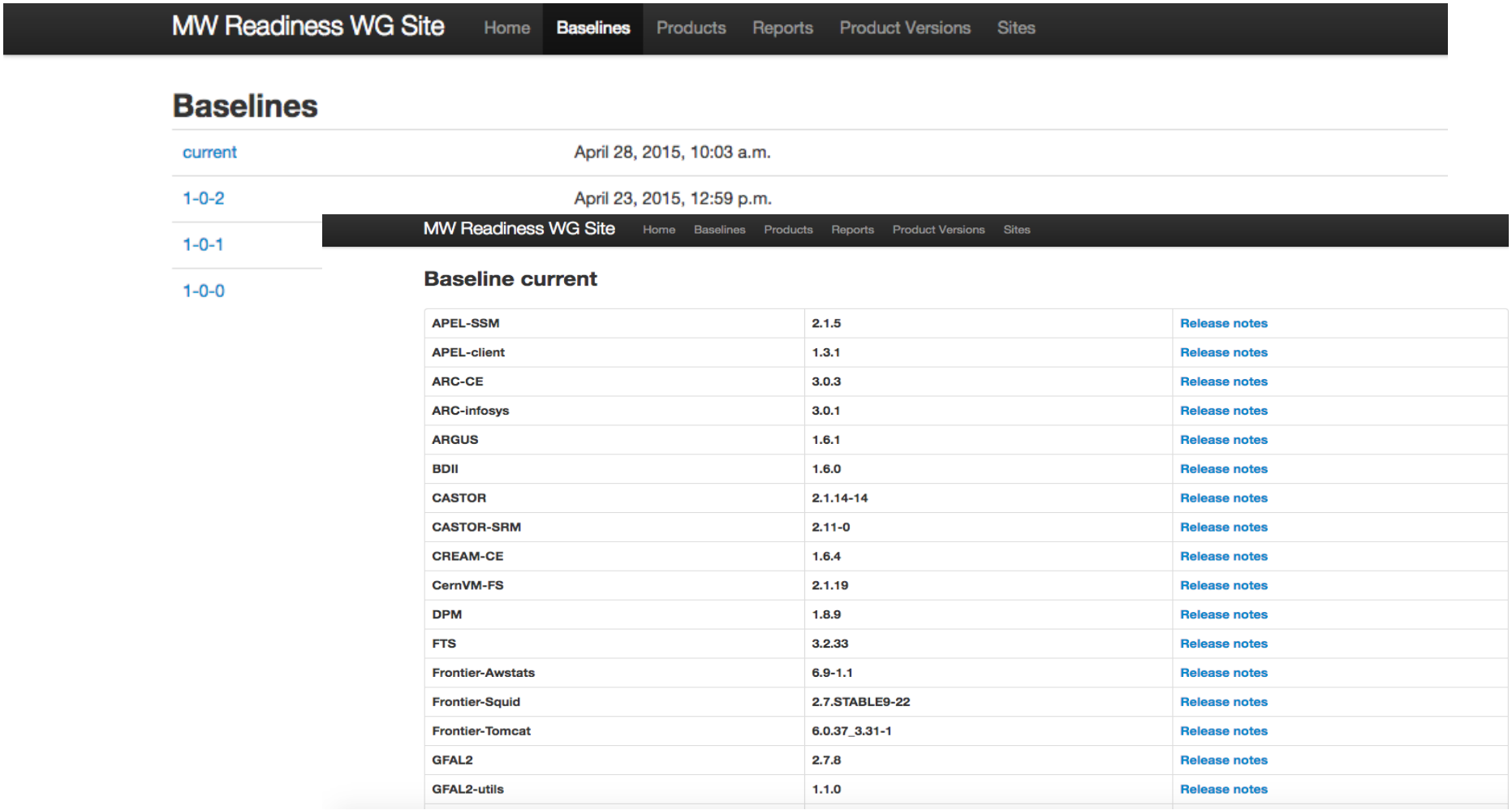
- moved to GitLab https://gitlab.cern.ch/amanzi/wlcg-mwreadiness-app
- standard packaging and Koji builds
- new OpenStack project
- puppetized configuration
- development and production VMs deployed

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



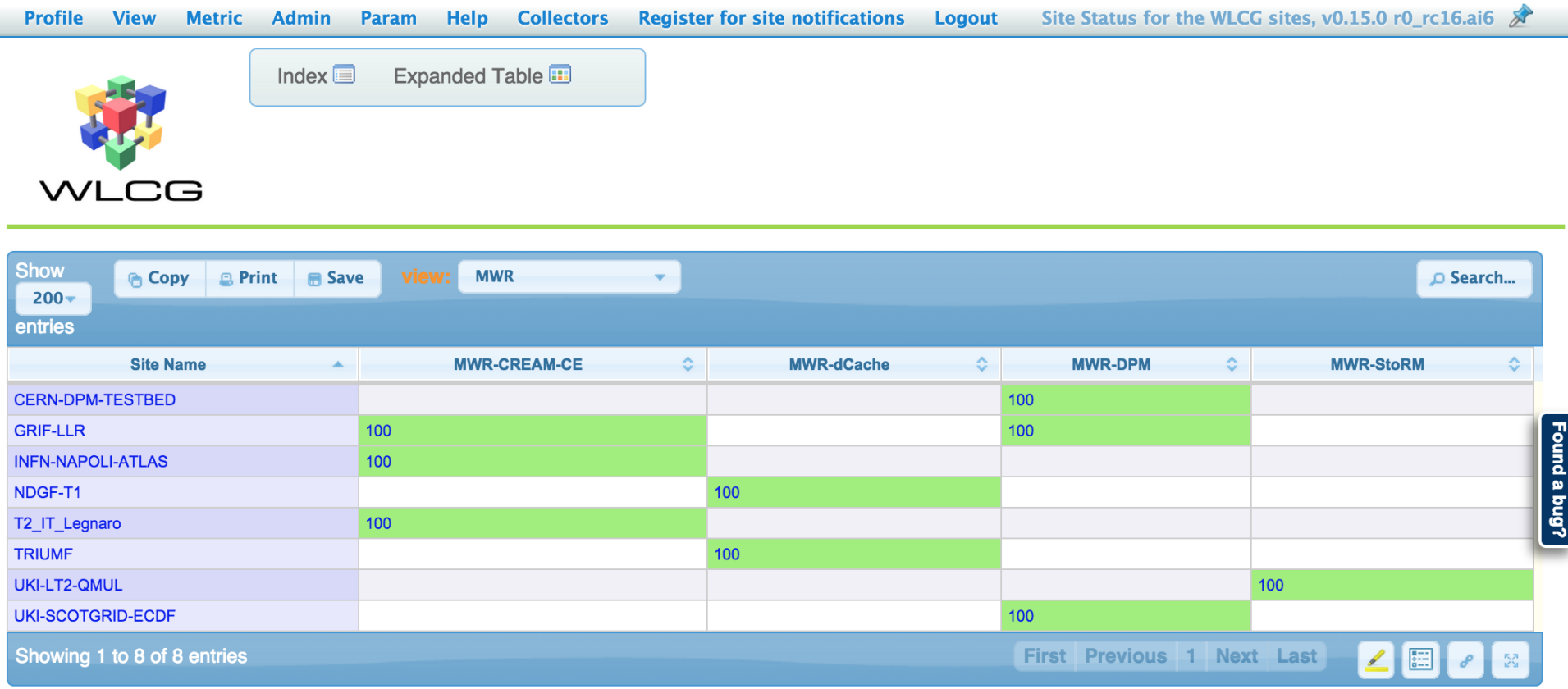
Integration with SSB

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 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?