

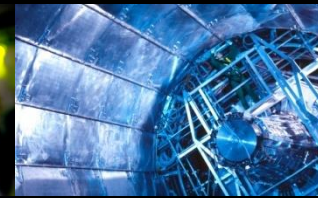
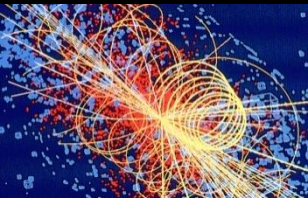
MW Readiness WG Update

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10/12/2014



Outline

- The Mandate
- The Products
- The Volunteer Sites
- The VOs
- Lessons Learnt
- EGI Liaisons
- The Software
- Next Steps

The 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 People Involved

- Maria Dimou, WG chair
- Andrea Manzi, MW Officer
- Lionel Cons, Package Reporter developer
- Maarten Litmaath, advisor
- Andrea Sciabà, CMS contact
- David Cameron, ATLAS contact
- Joel Closier, LHCb contact
- Volunteer Site managers
- Pakiti & WLCG Security experts

The Products

- DPM, pioneer product & Proof of Concept
- CREAM CE, helped enhance our Guidelines
- dCache, v.2.6.35 and 2.11.0 ok. Now tackling v.2.6.38 and 2.11.4
- StoRM, completing the set-up for ATLAS
- EOS, completing the set-up for CMS
- VOMS client, the LHCb participation
- FTS3, de facto done in production
- xrootd, ... [the whole product list.](#)

The Volunteer Sites

- Edinburgh, verifies DPM for ATLAS.
- Napoli, verifies CREAM CE for ATLAS.
- Triumpf & NDGF, verify dCache for ATLAS
- QMUL & CNAF, verify StoRM for ATLAS
- GRIF, verifies DPM for CMS
- Legnaro, verifies CREAM CE for CMS
- PIC, verifies dCache for CMS
- CERN, verifies FTS3 for ATLAS & CMS and EOS for CMS.
- ... [The whole Volunteer Site list](#)

The VOs

- ATLAS, [workflow](#) made for this effort
 - Panda jobs and Rucio transfers
- CMS, [workflow](#) made for this effort
 - HC jobs and Phedex transfers
- LHCb, generic [document](#) for certification
- ALICE, not yet...
 - All [VO-related details](#)

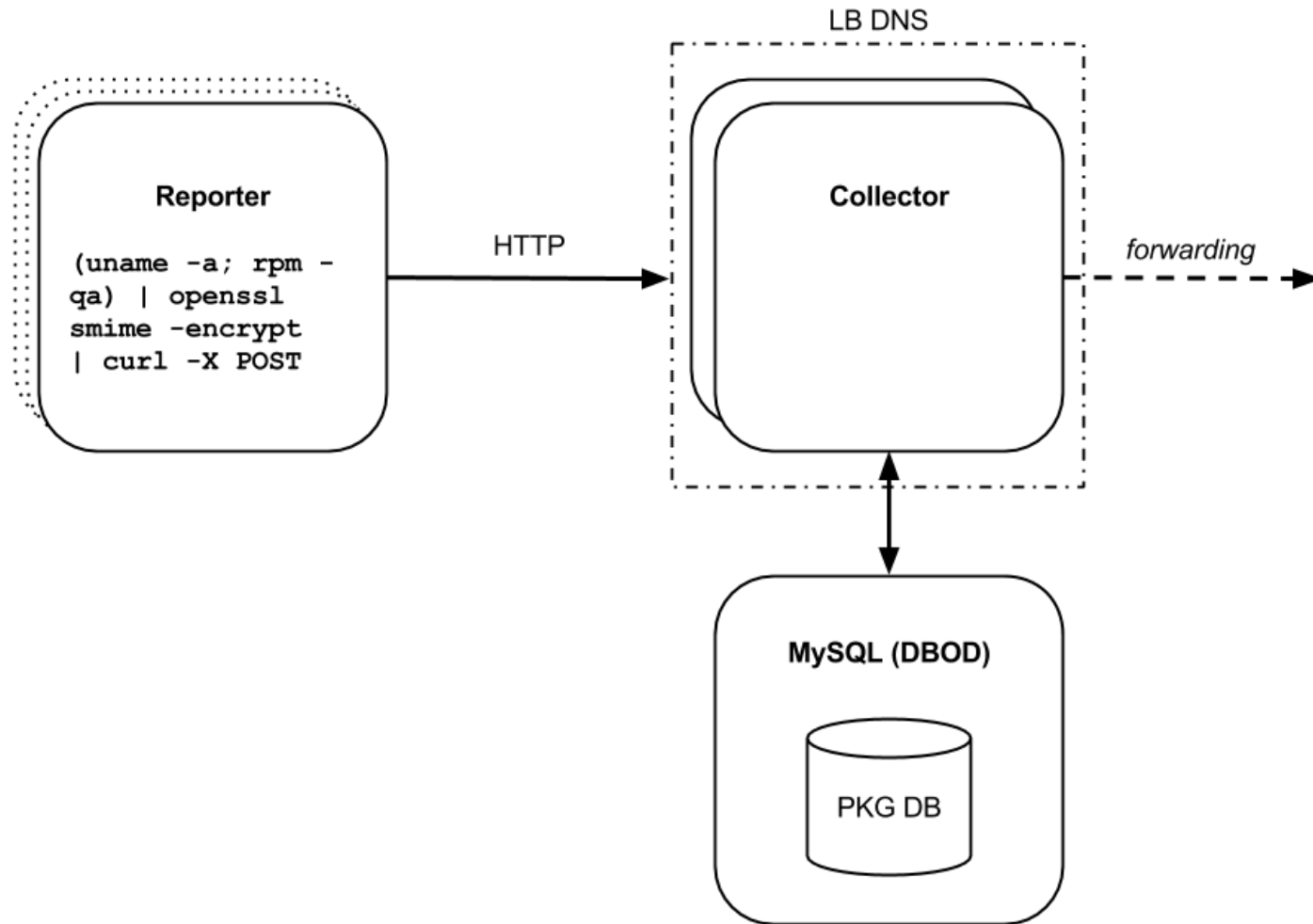
The Lessons learnt

- A DPM 1.8.9 bug discovered via the MW Readiness verification process was the proof that this effort is needed, useful and actually working as it should.
- When a MW package version is proved to work via the workflow of a given experiment and a new version is out for verification, other experiments which started later should go directly to the most recent version at hand.
- The validation of a new version will (need to) have a deadline in practice, beyond which the affected MW may (need to) get deployed anyway e.g. to fix issues experienced by sites.
- FTS3 is listed as desired product to verify for Readiness for ATLAS and CMS, but it already has a well-established validation process in close partnership with the experiments and the few sites that need to run the service for WLCG.

MW Readiness and EGI Staged Rollout

- The Staged Rollout activity performed by some EGI production sites is quite useful for WLCG
- EGI can benefit as well from our verifications
- Participation to URT meetings every 2 weeks
 - For us to understand software released by PTs and validated by Staged Rollout
 - Slot for MW Readiness to report about our verifications

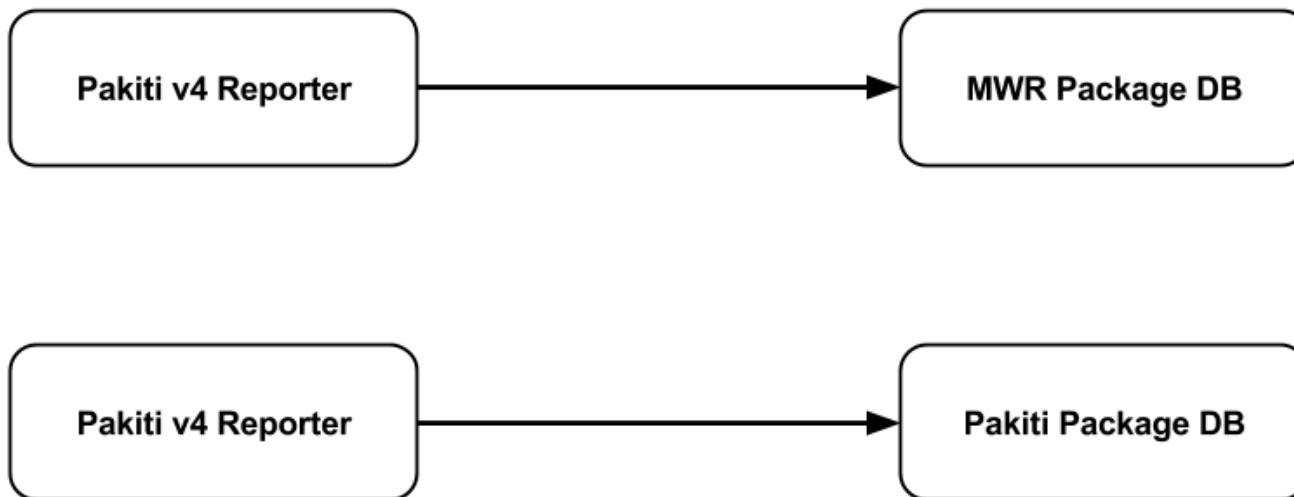
Software : Information Collection



Information Collection Status

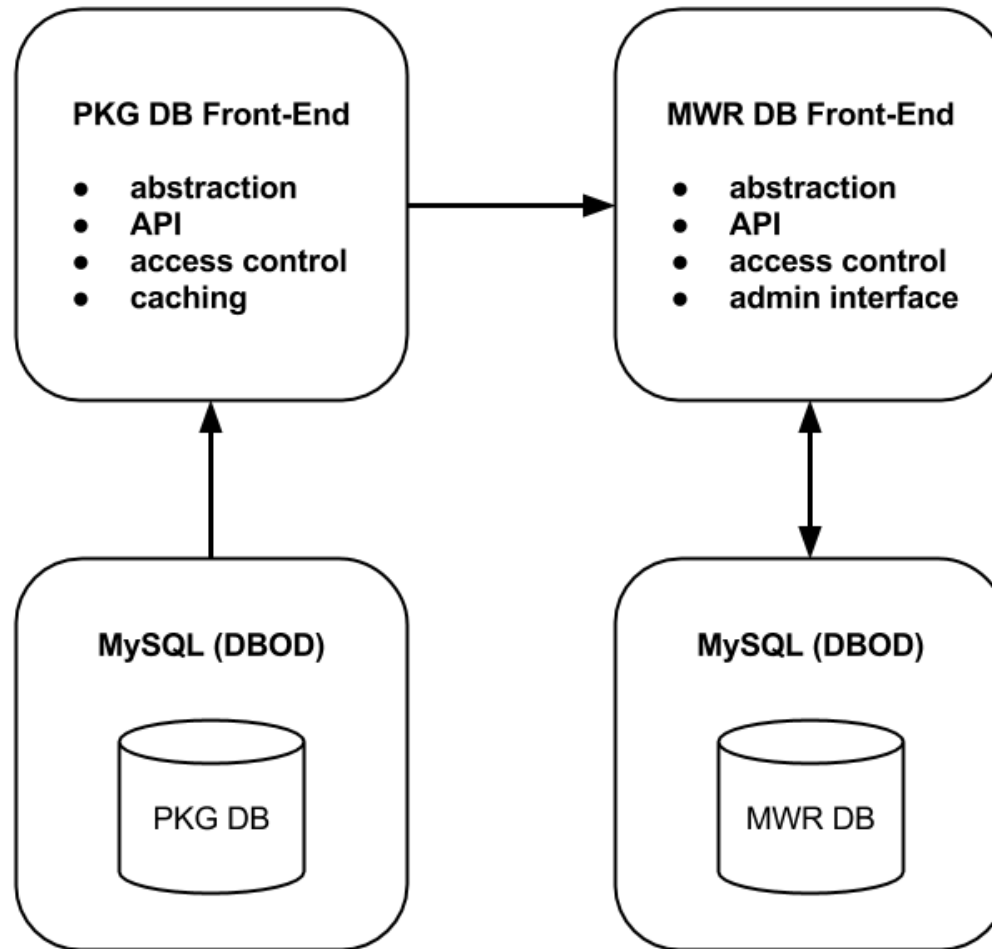
- WLCG Package Reporter is installed on some of the volunteer sites
- WLCG mng and CERN T0 pushed for an integration with Pakiti.
- In September Pakiti developers agreed to work together and EGI Security was also involved
- Fruitful technical discussions led to a commonly agreed solution by which:
 - The integration option with Pakiti has been chosen: code will be shared but data will not be shared.
 - Sites will have full control on where their package information goes: EGI security or MW readiness or both (or none).

Pakiti Interoperability

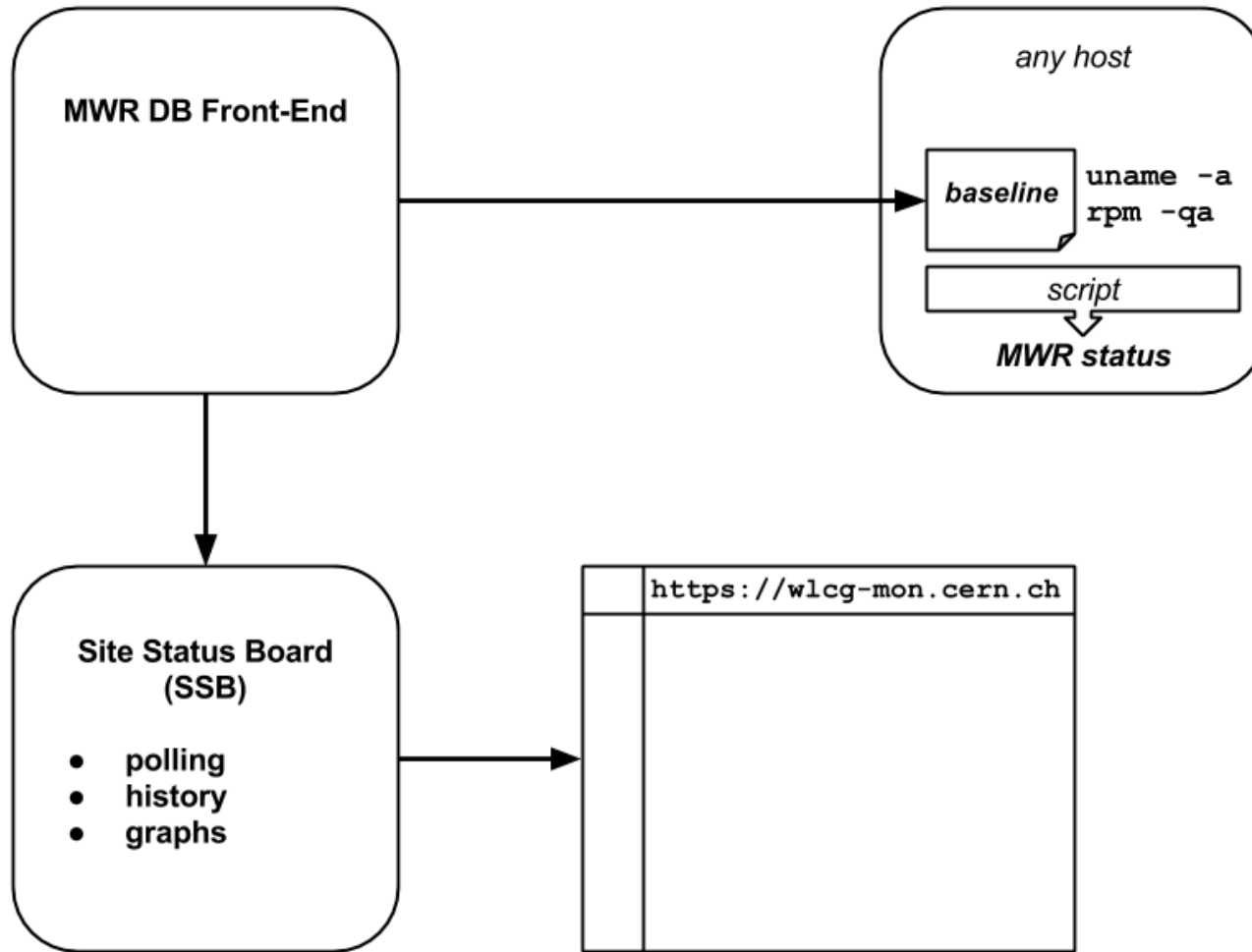


- Security concerns are addressed and the site independence is respected.
- A new release along these lines is expected during the 1st quarter 2015. (Submitted to EPEL last week)

Software : DataBase Front-Ends



Software: Reporting



Frontends and Reporting Status

- PK DB frontend REST API prototype is ready
 - To be completed by the end of the year
- MWReadiness DB designed and deployed on DBoD
- MWReadiness frontend REST API to be designed
 - Will allow storing of reports and understanding product versions tested and “baselines”
- Integration with Dashboards is foreseen for 1st quarter 2015

Desires / Next steps

- More Volunteer site participation to the meetings
- More involvement from LHCb & ALICE
- Note the next meeting date 2015/01/21

Agenda

- Check our [twiki](#) and [Jira tracker](#) (also its [dashboard view](#))