



SA2: Session Summary

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Yesterday

... after the “QA in Year 2” presentation

More QA discussions

Platform discussion

Y2 New EMI platforms on QA infrastructure

SA2 Session this PM

Metrics prioritization, reports and dashboards

Testbed usage, check installations

→ Long list of big and small items collected

Today



SA2 Session

- Metrics Prioritization and Report Customization → 50 min
- Platforms, ETICS, Tools → 50 min
- Testbed → 35 min
- 33 participants
- Many participants from PTs and their input and experience was really useful for planning/priorities
- SA2 had a bit more time to explain our constraints and why some choices were made

Metrics

- Defined priorities among reports
- Details worked out with Release Manager and SA1 QC
- **Metrics Reports tailored to EMT, SA1 QC, PT and EU reports**
- Show **trend graphs and dashboards** when available
 - For now generate graph of current and previous report to **make it possible for QC to compare easily**
- Work fast, **in next few weeks** because later in the year PTs will be in development phase (and “mood”)
 - **Eamonn** will coordinate work with EMT and QC in a task force that meets/decides when needed

Metrics

- Metrics in the QA Reports
 - **Successful builds**
 - Bug density distribution
 - **Open bugs, Untouched bugs, Time to close bugs**
 - SLOC count, Backlog management, Priority PMD/checkstyle violation density, Findbugs error density
- Some **interesting metrics**
 - **Javadoc/Doxygen** of the APIs
- Generation report is **already automated** and at some frequency PT will be reminded to verify them
 - Some additional information added in the components config needed, and **link to the full reports**
- See how to link with the GGUS data for **support metrics**
 - Could be added as **actions in the EMT tracker** (if RM agrees and she defines the priorities)

Tools (ETICS)

- New SL6 and Debian6
- **Deb6 APT repositories** to be used
- Organization of **3X worker nodes** (priorities)
- Are **APT ETICS repositories** needed? Maybe not
- ARC/UNICORE/dCache/gLite experts to contact?
→ **Debian Experts** (Matthias), Anders, (Ricardo), (Unicore)
- Provide **SL6 VMs already**, even if slow and cannot handle a big builds but useful already for components
→ Prepare **plan B** including case of SL6 having problems on the VM infrastructure and EMI cannot wait

ETICS

- Planned features
 - [New platforms], **Usability**, DIFF, plug-in support in portal
 - Extended lifetime of volatile ETICS reports
- From the AHM session and discussions
 - Single or 3 configurations discussed (intermediate solution)
 - **Local builds** user manual, Client new features docs
 - **Parallel compilation** / caching optimization
 - not so much gain (5%) as most of the time is in the checkout, packaging etc.
 - EMI should also be **signing also externals?** → PEB/PTB?
 - How to **use mock** and build from sources, **within/out ETICS**
- **MAVEN** Repository request
 - **A Java dev group** could maintain it, discuss changes at EMT

ETICS support to PTs

- Help PT to work more efficiently (reducing their ETICS pains)
 - **Avoiding ETICS remote** builds in the development cycle
 - local builds
 - Give wider access to **latest 5 checkpoints** (limited resources) in case of build failures
 - **Temporary access** to ETICS nodes
 - Provide ways to have the exact **build WN setup to the PTs**
 - Give the **VM image** of the worker nodes or generate the **list of rpms/debs** to install
- Agreed that more training is needed → NA2 help
 - How to use **ETICS for testing**
 - Experience/tools of other PTs that use testing already (lcg-DM, **SAKET** = Swiss Army Knife for ETICS Testing)

Testbeds

Testbeds the “place” (HW+SETTINGS) where integration tests could/should be run

- Testbed setup is already providing some a test: **deployment / documentation**
- In EMI PT-centered certification model, **inter-component testing testbed** is the “official” place where different products form an integrated middleware: some issues come up at this level
- **54 certified products** do **NOT** make a “**certified**” release

Testbeds maintainers (2.5 FTE/5 sites) can **check installation and doc** but also have to **install all in 2-3 days** after the release is in the repository (Wedn → Fri)

Testbeds

Who is running global tests from “User Perspective”?
Which tests?

EMI-1 SA26 during deployment:

- Single instance deployment testing: Need “Setup OK” Test
- Certification → Verification → Testbed: improve this chain?
- SA2.6 “de facto” defined a set of tests to check basic functioning → inefficient and not assuring product and doc quality → not SA2 testbed role/skills → give us tests

Inter-Component testing responsibility

- Testing is on the PT developing the client components? → defining and automating Inter-Component testing?

Testbeds

Other testbed usage

Certainly useful for release testing, preview activity (used also for training) in addition to integration

PTs feedback using the testbed? We miss usage monitoring

Milestone Large Scale testbeds was set for M6 when release was at M12, some sites agreed but now it is not easy to involve them

→ got help from PO, but will involve PTs and EGI because there is some overlap with their tests) and EGI are interested in receiving software as tested as possible

After the AHM

- Detailed QA plan within 10 days
- Many clarifications and options in the plan (plan B for some key issues)
- Consolidated Plan after feedback on plan (2 weeks later)

Thanks to all participants



Thank you

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