

Integration Team Activities

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Introduction & Goals

- Forum for project activity technical discussion
- Promote and decide upon the adherence to standards and best practices used in DORII
- Finalize DORII architecture
- Provide (written) procedures for release and validation of components
- Supervise (and perform) component release and validation
- Assign people to the above tasks
- Provide feedback to work packages

Team Members

- Integration Team includes members from JRA, NA3, SA1 and SA2 work packages
- PSNC: Mateusz Pabiś, Damian Kaliszan, Marcin Lawenda
- LMU: Thomas Köckerbauer
- GRNET: Ioannis Liabotis, Tasos Zafeiropoulos
- CSIC: Ignacio Coterillo Coz
- ELETTRA: Andrea Del Linz, Alessio Curri, Milan Prica

DORII Components (1)

- Java middleware and tools:
 - Common Library
 - Virtual Control Room
 - Workflow Management System
 - Instrument Element
- G-Eclipse
 - A project on its own, with well defined, detailed procedures

DORII Components (2)

- Parallel application support libraries:
 - Open MPI
 - PACS-MPI
 - MPI-Start

- Advanced Visualisation Technologies
 - Glogin
 - GVID

SW Development Tools

- Java
 - Adopted platform for WfMS, IE, VCR and Common-Library development
- Eclipse (g-Eclipse)
- FindBugs plug-in for Eclipse
- JUnit
- CLI (Apache command line interface) - Useful for testing all the operations that cannot be fully automatized.

SW Documentation

- Java Docs (For Java SW)
- Each component should be accompanied with:
 - INSTALL file: Detailed Instructions
 - README file: Brief description of the component
 - RELEASE_NOTES file: New features and changes
 - LICENCE file
- User Manual (Detailed documentation in printable format) when possible // Would be nice to have it for all components by the time of the final release

Other Tools

- Build Tools

- Java SW is built and deployed using Apache Ant

- Repository

- SVN: <https://svn.gforge.hlr.de/svn2/dorii-jra/middleware/>
- G-Forge (for binaries)

Reporting

- Issues will be reported using:
 - DORII Helpdesk
 - DORII mailing lists (IT, JRA, SA1, SA2...)
 - DORII Wiki pages
 - G-Forge Bug-tracker tool, only if proved necessary

Release Procedures

- Components accompanied with:
 - README, INSTALL, RELEASE_NOTES files
 - JUnit tests (Java SW)
 - Other test classes / utilities, when necessary
- First build & deploy / install checks run at the site
- Next level checks performed by other members of the JRA
- 3rd level check by DORII users (NA3)
 - Use cases are already provided by the NA3 applications

Other Checks?

- IPv6 support, tests (SA1)
- Infrastructure tests: availability and usability (SA2)
- Quality of Experience test? (SA1)

People Involved

- JRA developers
 - Components development
 - 1st and 2nd level testing (building, installation)
- SA2, NA3 (developers)
 - Infrastructure functionality
 - Installation tests
- NA3 (users)
 - 3rd level testing on Applications

Summary and Next Steps

- Written procedure draft prepared
 - Must be finalized
- SW procedures applied for the July release
- Additional tests (QoE, etc.) yet to be defined
- Next IT meeting after the mid-term review