



QA Elements

4th European perfSONAR Users Workshop

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perfSONAR is developed by a partnership of



Testing perfSONAR software

- Different ways to test before shipping
- Unit tests
 - Developers and build
- autopkgtests
 - To test a package functionality
- Quality Assurance scripts
 - To be presented by Adriatik
- User level testing
 - Beta testers

Unit tests

- Go together with the code
 - Either written before the code: Test Driven Development
 - Or after to verify code
- Run during development
 - By the developers
- And at build/compile time
 - Can configure builds to fail when unit tests do not pass

Package testing: autopkgtest

- Test a package functionality
 - Package is installed, isolated (LXC)
 - Then a script is run in the same environment
 - Embedded in package itself (Debian feature)
- A new machine is being installed
 - To test each OS we support
 - Ongoing work by Nugzar Gamtsemlidze (GRENA)
- And then have some form of reporting
- More tests can and should be written

User Level Testing

- Final testing level: user testing
- You: the beta testers
- We need you, thank you!