

QA tools (plans)

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Data base for QA information

- Integration of QA information from AliRoot functional tests, DQM, detector QA, Tracking and PID QA, Analysis QA
- QA data analysis and visualization from any source (binary files, text files...)
- Start prototyping with Elasticsearch (<https://www.elastic.co>) used already for the ALICE software builds

Functional tests

- Functional tests of AliRoot/AliPhysics/OCDB/AODB/Configuration (**tagged versions**) on the **reference data** (real and MC)
- Build test cluster integrated with Elasticsearch (already started by ALICE offline core)
- Trigger automatically following the ALICE software builds and unit tests
- Test and validate common software and DBs (calibration, reconstruction, QA, OCDB, ESD->AOD ...)
 - MC event generation and GEANT transport?

QA on Grid productions

Must be fully automatic:

- Collection of QA information from the GRID
- Merging of QA information (runs, periods, ...)
- Extracting and storing QA information in the QA data base
- Visualization (dashboards, trends, control histograms,..)