

# Interfaces with external DBs

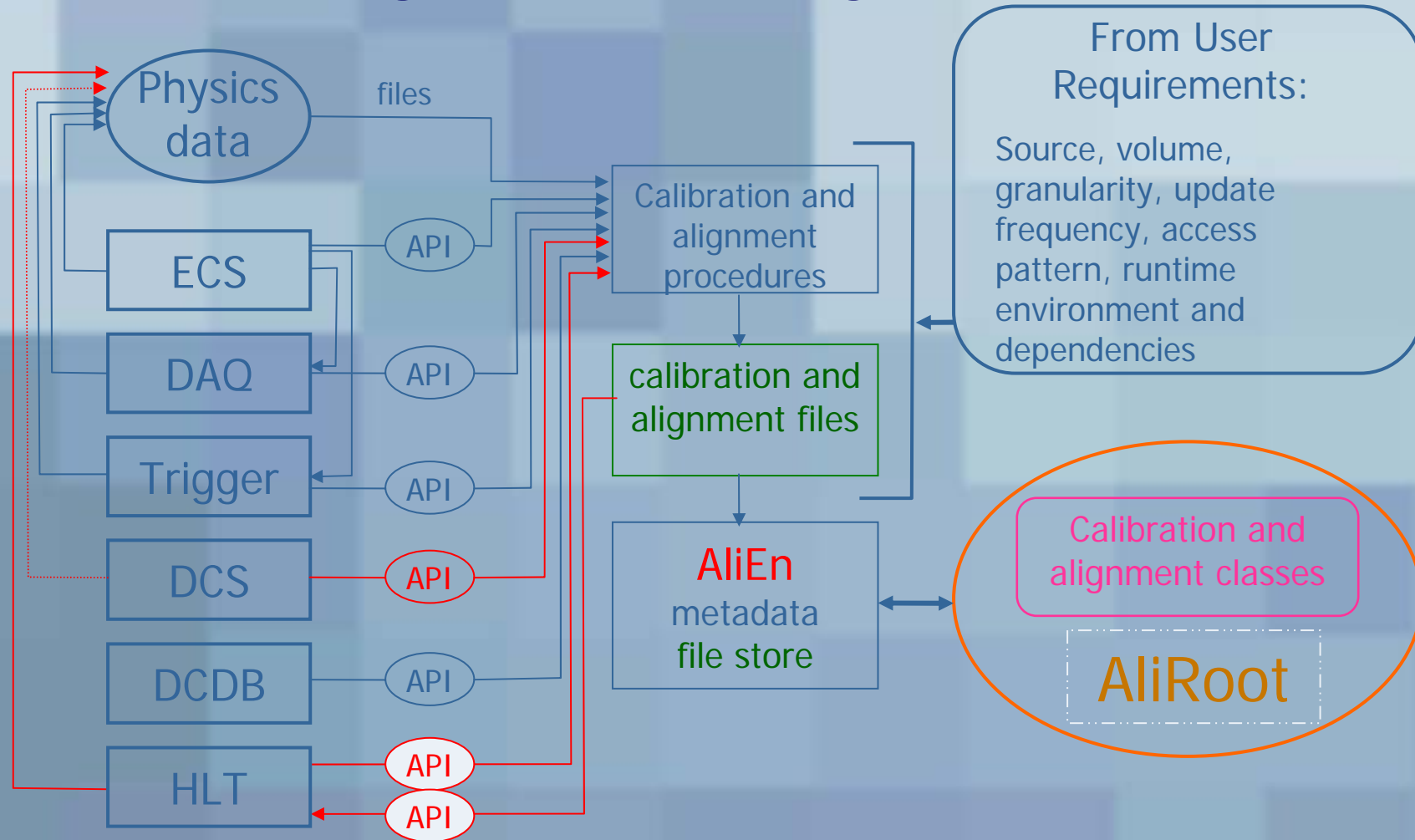
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# Relations to external DBs

## Understanding of relations unchanged



# Open questions

- **From URs:** Source, volume, granularity, update frequency, access pattern, runtime environment and dependencies
- What we think we know fairly well: volume, granularity, update frequency
- Inherently more difficult to track: access pattern, runtime environment - mostly production and scheduled analysis
- What we know little about: Source (which DB, calibration procedure, data volume from each source), dependencies (how many DBs are going to be accessed at the same time by an alignment / calibration procedure)
- LHC data:
  - Clearly we will need it, but don't know yet where it is coming from
- Raw Alignment data
  - Survey results, DCDB, other
- From this morning discussion: Pedestals and other objects of common interest:
  - General procedures to obtain them?
- ***We will continue looking for answers from the detector experts***

# Ongoing work

- Connectivity to external DB:
  - DCS implementation – Peter Chochula
  - Shuttle program – see talk of Boyko Yordanov
  - DAQ/ECS logbook – see talk of Sylvain Chapeland
- Purpose:
  - Provide a framework for polling and data gathering for two external DBs we believe hold the bulk of conditions data
  - Collect feedback from users, check performance and modify accordingly
- Aim:
  - To have similar connectivity methods to all external databases
  - Minimise the amount of manual work needed to populate the conditions DB