

# DBInterface Status

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# Purpose of DBInterface

- export in local cache run setup files
- export in local cache detector geometry
- fill DB with detector log files

# DBInterface structure

- Web server (Cristiano's one)
- 3 threads:
  - one for run setup cache maintenance
  - it must keep updated detector geometry
  - one for detector log file treatment
  - one for internal purpose (encrypt command as example)

one thread  
for this  
topics?

# Runsetup and detector

Done

- **runsetup part** : each minutes, DB is scanned to check if run setup related to the detector is available
  - for the moment no cleaning is implemented

Not yet done

- Detector geometry: scan of TB\_INTEGRATION table from detector (PBS 0) to final component

# Data log

- first version with a single datalog table and one by one insertion is available
- Update of Datalog DB design
  - one table per parameter type (byte, short, int, long, double, string,..)
  - update performance, reduce data storage
- Insertion through transaction (more secure for full file transfert)

I occur some errors to implement correctly the transactional part of code.

# TO DO

- fix code error for transactional part
- implement the event part of log file
- add a Json part to obtain some informations about
  - which run setup is available
  - detector geometry
  - information about log file

ongoing

planned