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# TOTEM database software

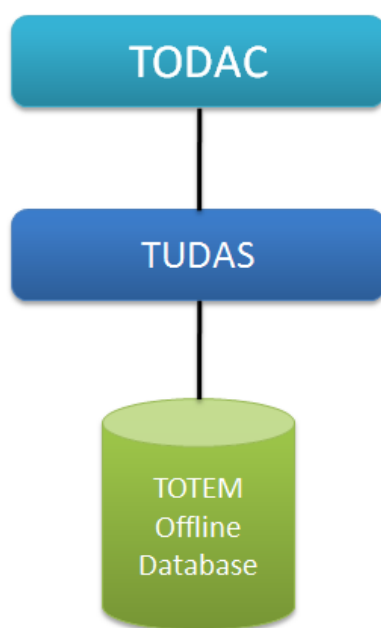
## Database schema

TOTEM offline database is designed to keep measurements data (both detailed connected with particular elements and general ones). Each measurement can be associated with interval of validity time and TOTEM run.

Database schema description

## Currently used database software

### Current state - diagram



### Totem Unified Database Access Service (under development)

TUDAS should help in efficient managing and accessing TOTEM experiment data and be easy to use at the same time. In order to achieve this goal, we need to create complex and fully transparent for user solution assuring reliable communication with TOTEM Offline Database.

Documentation

### Totem Offline Database Access Console (under development)

TODAC command line application is a versatile and really simple-to-use way to populate TOTEM Offline Database with different kind of measurement data. TODAC is able to work with data directly from LHC Logging Database or with VMEA files located on CASTOR. Application allows also to process provided files containing alignment, geometry, luminosity and optics data.

Documentation

## Legacy projects

Here you can find documentation of database software projects which are no longer in use.

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