

Database Archiving

General information about the commercial products

Archiving means for us :

- the protection of the data against modification to protect their informative and legal value
- the management of the lifecycle of the archived data
- to allow their consultation for legal or informative purposes

The requirements about security depend on the level of security required for the data. This level depends on the data and is then different from case to case.

The most important features for us in an archiving solution are the following :

1. Capture of data

- pull method : the archiving solution connect itself to production database to extract some data based on business rules defined previously
- push method : a DBA extract some data and push then to the archiving solution
- what kind of database (supplier and type of DB -relational, hierarchic,...) are supported
- GUI available to make those operations
- submission possibilities to automate submission operations in an industrial context (daily extract, ...)

2. Management of the lifecycle of the archived data

- configuration of retention period for the archived data
- (un)freeze of data if needed to avoid their destruction (litigation)
- destruction of the data (automatically, after confirmation by an user, ...)

3. Security and integrity

- no modification of the data is allowed (data locked)
- record management approach
- security in function of security level

4. Consultation

- index features
- retrieve features
- GUI archiving solution
- using integration features (web service, API, ...)
- XML viewer, re-reinject in database, only one viewer

5. Architecture

- component required to do database archiving and data record management (for example repository, extract component, ...) & matching with the supplier offer
- recommendations & best practices in term of architecture to ensure a good security of the system