ICAT

File Count and Size for Dataset and Investigation

Rolf Krahl

ICAT Schema Discussion, August 2021

Add file count and size to Dataset and Investigation

- Rationale:
  - The accumulated size of a Dataset or an Investigation is needed at various places in the user interface.
  - Calculating that requires a search for all Datafiles in the Dataset or Investigation respectively. This takes a significant time.
  - Idea: have it precalculated as an attribute.
- Problem: how to keep it up-to-date?
- Option: automatically update it in the database using a trigger.
- Sites may decide whether to install the trigger or not.
- No compatibility issues expected.
- See: #211 and #238