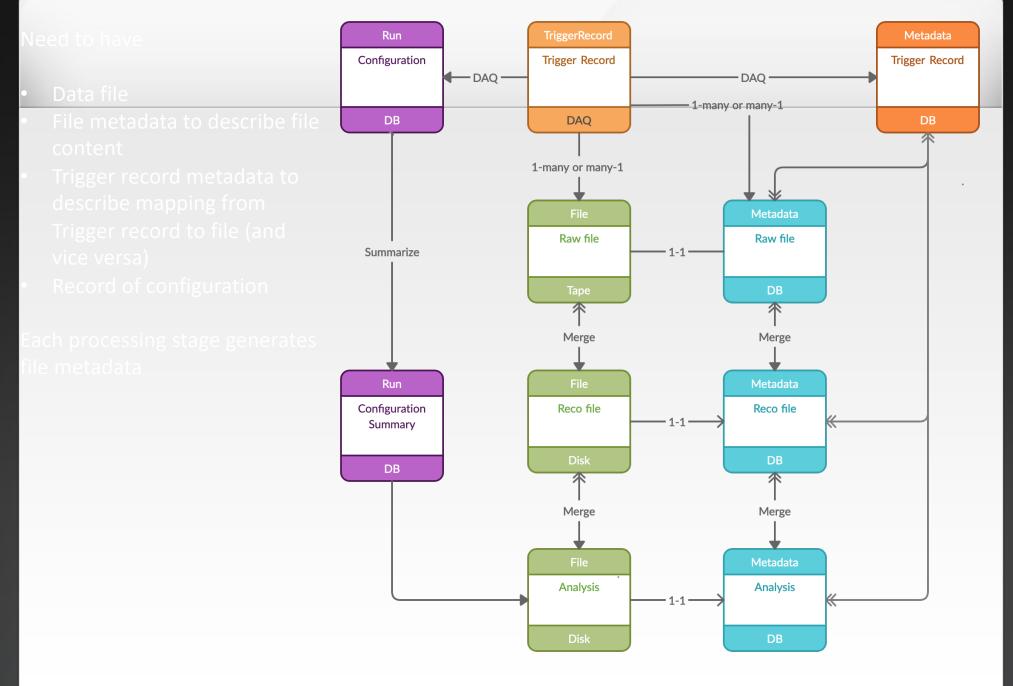
Metadata

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Metadata

- Data can either be in a file or in a DB
- Expect that a file will be on tape and may have access latency of > 1 day
- Basically, if you want it fast, it's metadata



File description metadata content

- Run, Subrun, Event or....
- Trigger record ID << not here yet.
- Creation timestamp
- Data stream (what type of trigger is it?)
- Data tier (what level of processing is it?)
- Version of code used to generate it?
- What input files were used to generate it?
 - What output files have been associated with it? (updates)
- Other info about calibrations, processing parameters ...
- Who dunnit?

https://wiki.dunescience.org/wiki/SAM_Data_Catalog

Information on file location will be stored separately.

Use case - HPC

- Configuring a processing job
 - Find the right data
 - Identify calibration and conditions db info for possible local caching
 - Get the data to the processing system

- Running a processing job
 - Understand internal data structure of file
 - Access local copy of calibration/conditions
 - Produce output file and consistent output metadata