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# File Summary Records

## Introduction



# Goals of today's brainstorming

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- ◆ Review use cases for persistency of file (or job) related information
- ◆ Review existing framework components
- ◆ Identify issues for future development
  - Programme of work
  - Manpower



# Use cases

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- ◆ What needs to be stored and why?
  - Types of data
    - Simple counters, complex objects
  - Lifetime
    - Stored with results of current job
    - Propagated to later processing steps
- ◆ How is FSR data created?
  - On transient store or private?
    - Published in event loop or during finalize?
  - How is it combined?
    - With data from input FSR is any
    - When merging output files
- ◆ When is FSR data used?
  - When opening the file?
  - Or asynchronously, e.g. at finalize?



# Framework issues

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## ◆ Commonalities of uses cases

- Common objects
- Common framework tools
  - For accumulation of data in event loop
  - For merging of data from different files
  - For notification of availability of new FSR
- Are there existing components that could be generalised
  - With common interface to GaudiAlgorithm

## ◆ Organisation of FSR

- c.f. Event model

