

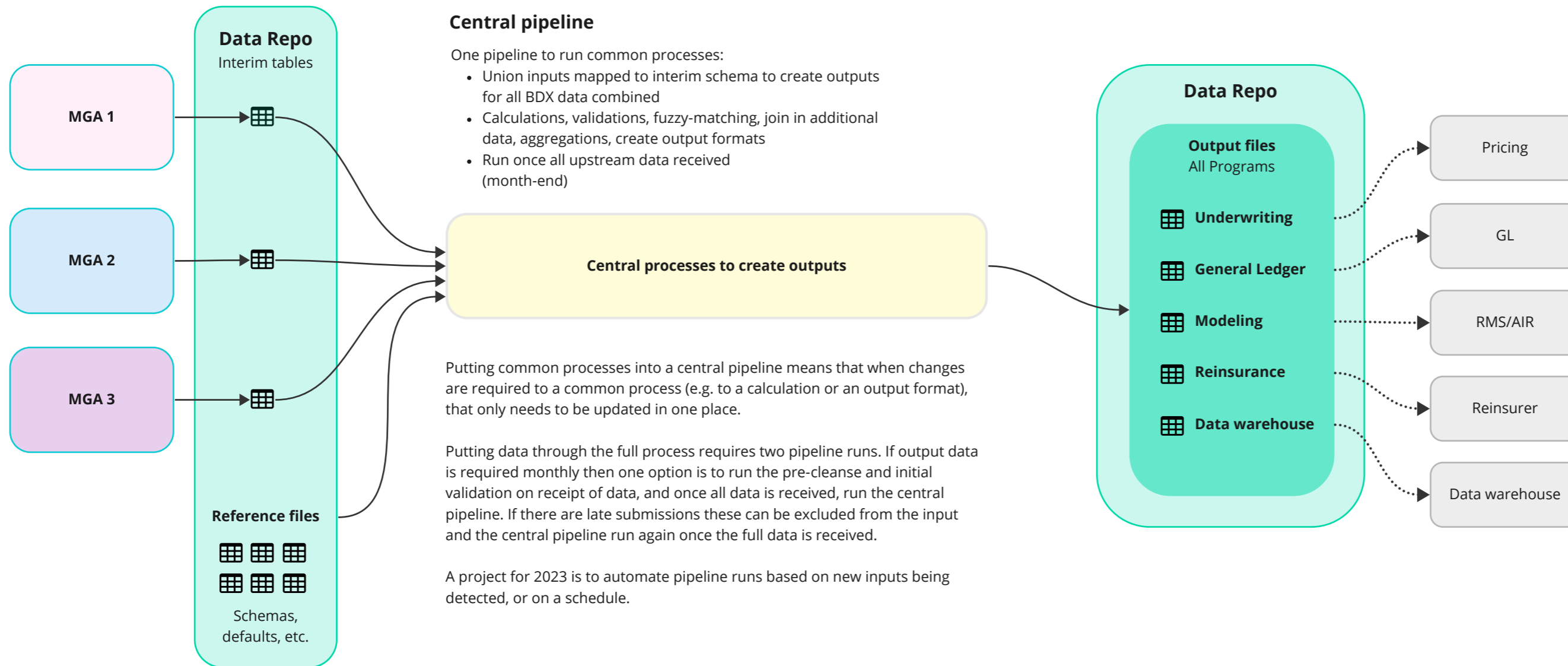
One pre-cleanse pipeline per MGA One pipeline for central process Combined outputs Recommended option



MGA Pipelines

One short pipeline per MGA:

- Get data into single header format
- Map to interim schema
- Initial data quality validation
- Run on receipt of data or at month end



One pre-cleanse pipeline per MGA
One pipeline for central process
Separate outputs

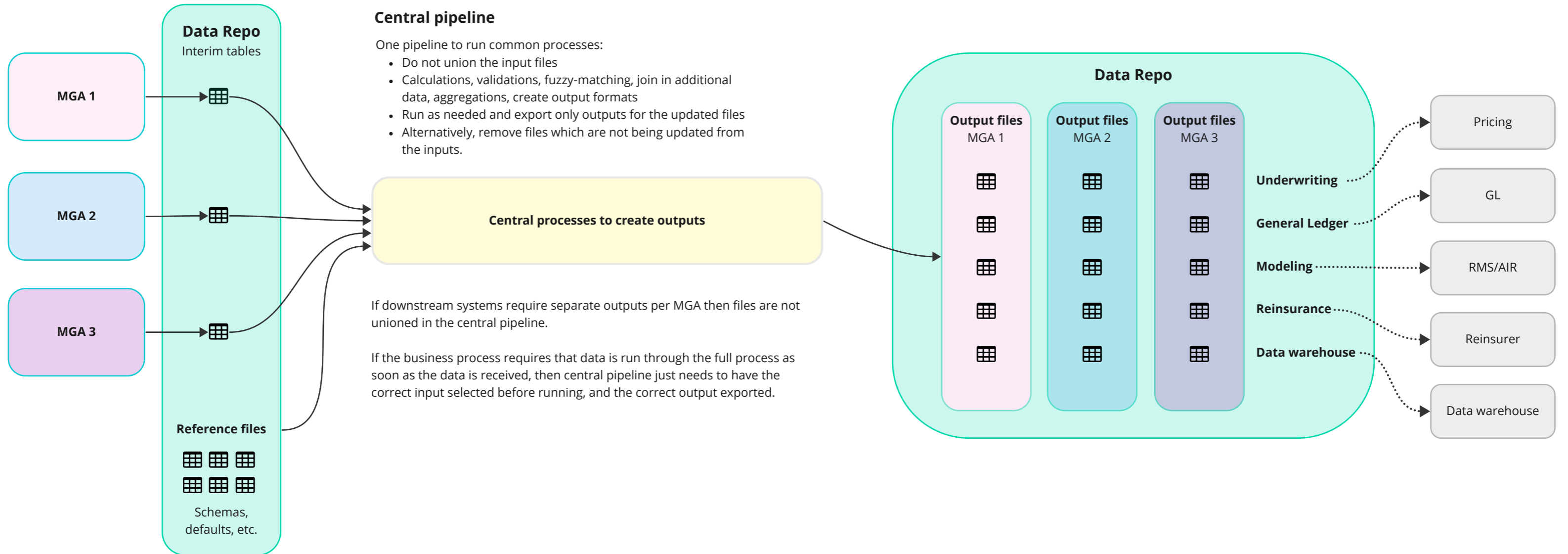
Alternative recommended option



MGA Pipelines

One short pipeline per MGA:

- Get data into single header format
- Map to interim schema
- Initial data quality validation
- Run on receipt of data



One full pipeline per MGA process Separate outputs



MGA Stages

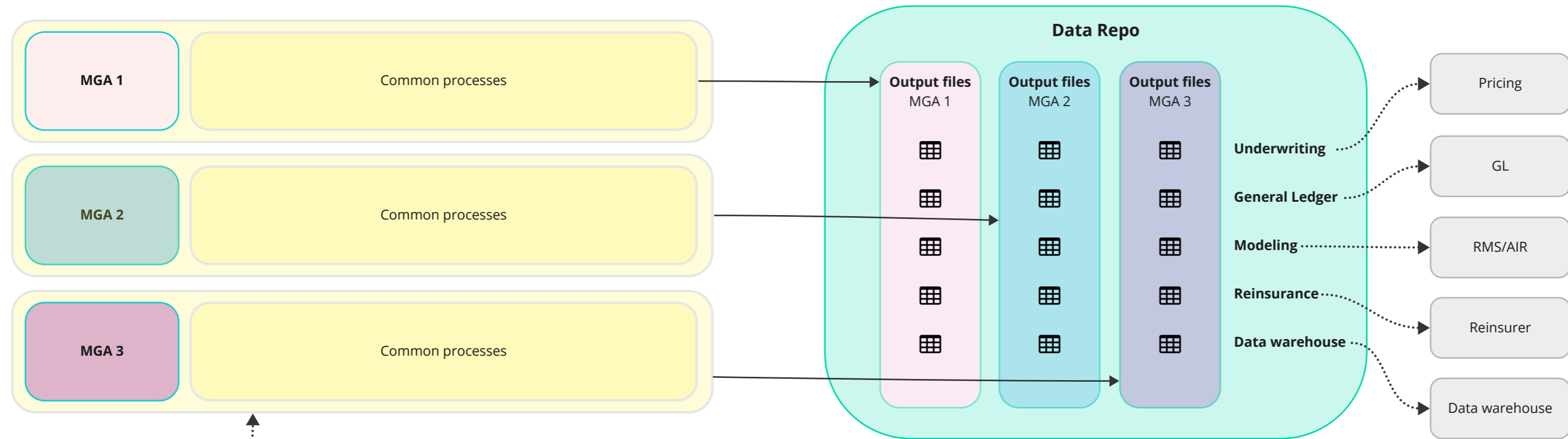
Specific stages per MGA:

- Get data into single header format
- Map to interim schema
- Initial data quality validation

Common stages

Identical stages to run common processes:

- Calculations, validations, fuzzy-matching, join in additional data, aggregations, create output formats
- Run and export as needed



Data Repo
Reference files

Schemas
defaults etc

This approach means MGA data can be processed fully on receipt, with a single pipeline run.

Changes to a common process need to be repeated across all pipelines, meaning this architecture is best suited to a common process which changes infrequently and a business need to fully process all incoming data on receipt, in a single run.

One full pipeline per user Suitable for high frequency SoV data



Input Stages

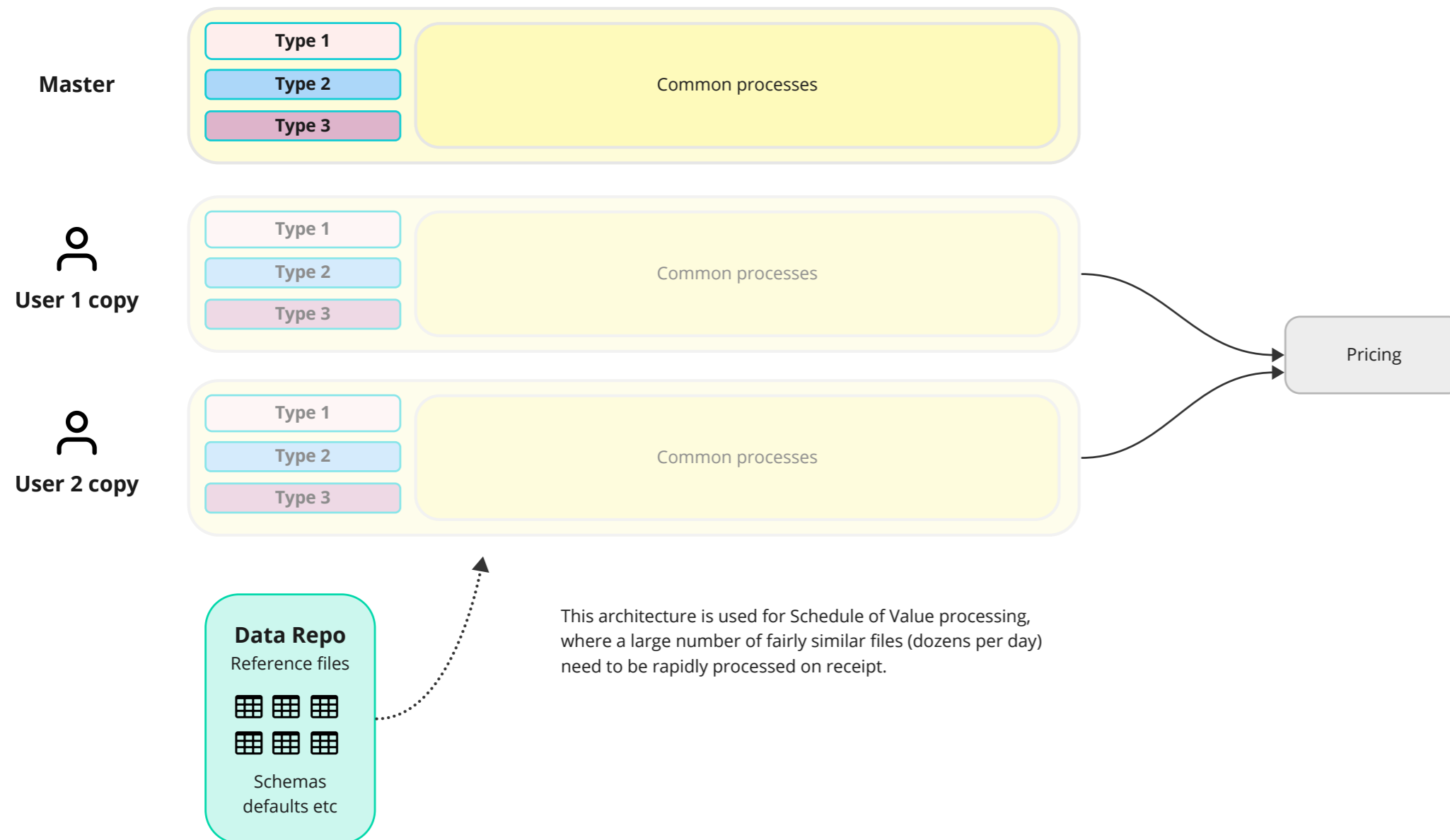
Flexible stages to address common input formats

- Get data into single header format
- Map to interim schema
- Initial data quality validation

Common stages

Identical stages to run common processes:

- Calculations, validations, fuzzy-matching, join in additional data, aggregations, create output formats
- Run and export as needed



This architecture is used for Schedule of Value processing, where a large number of fairly similar files (dozens per day) need to be rapidly processed on receipt.