

Use Jackson to parse study.yml

Context and Problem Statement

The study definition file is formulated as a YAML document. To access the definition within JabRef this document has to be parsed. What parser should be used to parse YAML files?

Considered Options

- [Jackson](#)
- [SnakeYAML Engine](#)
- [yamlbeans](#)
- [eo-yaml](#)
- Self-written parser

Decision Outcome

Chosen option: “Jackson”, because as it is a dedicated library for parsing YAML. `yamlbeans` also seem to be viable. They all offer similar functionality.

Pros and Cons of the Options

Jackson

- Good, because established YAML parser library
- Good, because supports YAML 1.2
- Good, because it can parse LocalDate

SnakeYAML Engine

- Good, because established YAML parser library
- Good, because supports YAML 1.2
- Bad, because cannot parse YAML into Java DTOs, only into [basic Java structures](#), this then has to be assembled into DTOs

yamlbeans

- Good, because established YAML parser library
- Good, because [nice getting started page](#)

- Bad, because objects need to be annotated in the yaml file to be parsed into Java objects

eo-yaml

- Good, because established YAML parser library
- Good, because supports YAML 1.2
- Bad, because cannot parse YAML into Java DTOs

Own parser

- Good, because easily customizable
- Bad, because high effort
- Bad, because has to be tested extensively

Links

- [Winery's ADR-0009](#)
 - [Winery's ADR-0010](#)
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