

2022-10-11

A new file format for Eiffel schema definitions

Magnus Bäck

Old state

Each version of each Eiffel event type was self-contained and maintained in its own JSON schema file:

schemas/EiffelArtifactCreatedEvent/1.0.0.json schemas/EiffelArtifactCreatedEvent/2.0.0.json schemas/EiffelCompositionDefinedEvent/2.0.0.json schemas/EiffelCompositionDefinedEvent/3.0.0.json

The documentation of the *latest* version of each event type was maintained in its own Markdown file.

eiffel-vocabulary/EiffelArtifactCreatedEvent.md eiffel-vocabulary/EiffelCompositionDefinedEvent.md



Problems with our old ways

- > Data duplication.
 - Painful to make change.
 - SDKs become messy.
- No way to convey the valid links for an event.
- > Schemas and documentation can get out of sync.
- No convenient way to programmatically obtain e.g. the abbreviation of an event type.

```
type ActivityCanceledV3 struct {
    Data ActCV3Data `json:"data"`
    Links ActCV3Links `json:"links"`
    Meta ActCV3Meta `json:"meta"`
}
```



New schema definition files



