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Common Structures

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Who is Sven Selberg

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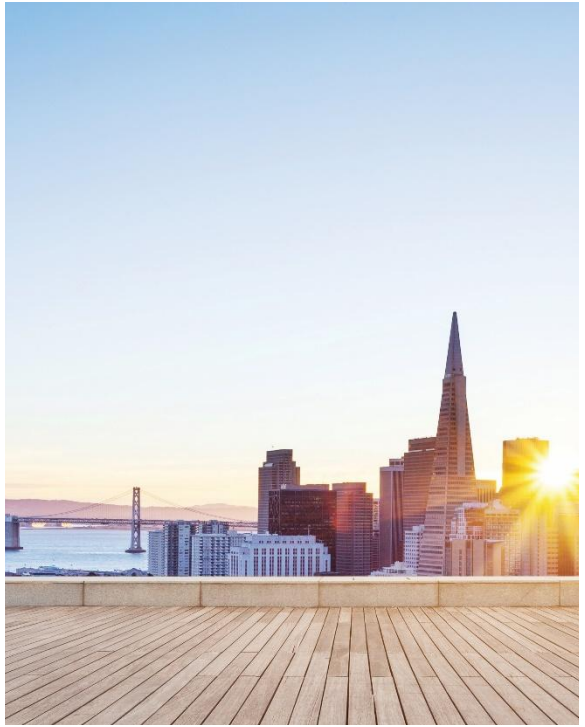

Common Structures

meta, links

- Meta
  - No divergence between events ever.
- links
  - Same type list, valid content differs.

Common “data” objects

- SourceCodeChanged, SourceCodeSubmitted
  - gitIdentifier
  - hgIdentifier
  - svnIdentifier
  - vobs
- ActivityStarted, TestCasestarted, TestSuiteStarted
  - liveLogs
- ActivityFinished, TestCaseFinished, TestSuiteFinished
  - liveLogs
- ActivityTriggered, TestCaseTriggered
  - triggers

Separate but equally named “data” objects

- outcome
  - TestCaseFinished
  - TestSuiteFinished
  - ActivityFinished

Issues

Interpreting the specification

- Less text, same spec
- meta
  - +378 −5,361
  - 55% (2500 lines) markdown
- Categories makes spec easier to comprehend
  - F.i. you only need to interpret the meta object once.

Implementation of event creators/handlers

- Most environments Object/Type oriented
  - Code reuse
  - Adapting to new Eiffel versions
- Type conflicts
  - ...

Type confusion (eiffel-graphql-api)

Query:

```
sourceChangeCreated(search: "{ 'data.gitIdentifier.commitId':'ae64999f160ddfec29eaa2da77f6fc82b785ac20' }”)
```

Response:

```
"data": {
   "sourceChangeCreated": {
     "edges": [
       {
         "node": {
           "data": {
             "sourceChangeCreatedGitIdentifier": {
               "commitId": "ae64999f160ddfec29eaa2da77f6fc82b785ac20"
             }
```

Disparate objects named the same

> Same problem but the “other way around”

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