

Scope

Describe traces from digital or physical resources to support cyber-investigations

RDF-oriented ontology:

- release versioning
- trace descriptions
 - ontology release version (mandatory)
 - metadata using duck-typing
 - data (included / referenced)
- provenance (chains of evidence and custody)
- marking / classification
- relationships between traces
- natural language glossary
- licensing

Tools:

- application programming interfaces
- validators
- translators
- proof of concept implementations
- support tool-specific mappings
- licensing

Issues

General:

- no end-users (investigators/prosecutors) involved
- not all major tool providers involved
- licensing not defined
- documentation is not easy to find

Ontology:

- release versioning not defined / available
- no mandatory version in CASE expressions
- no best practices, e.g.
 - referencing / including data
 - unsupported property bundles
- conflicting semantics, e.g.
 - Contact vs. PhoneAccount

Tools:

- no support for Java, C#
- no validator

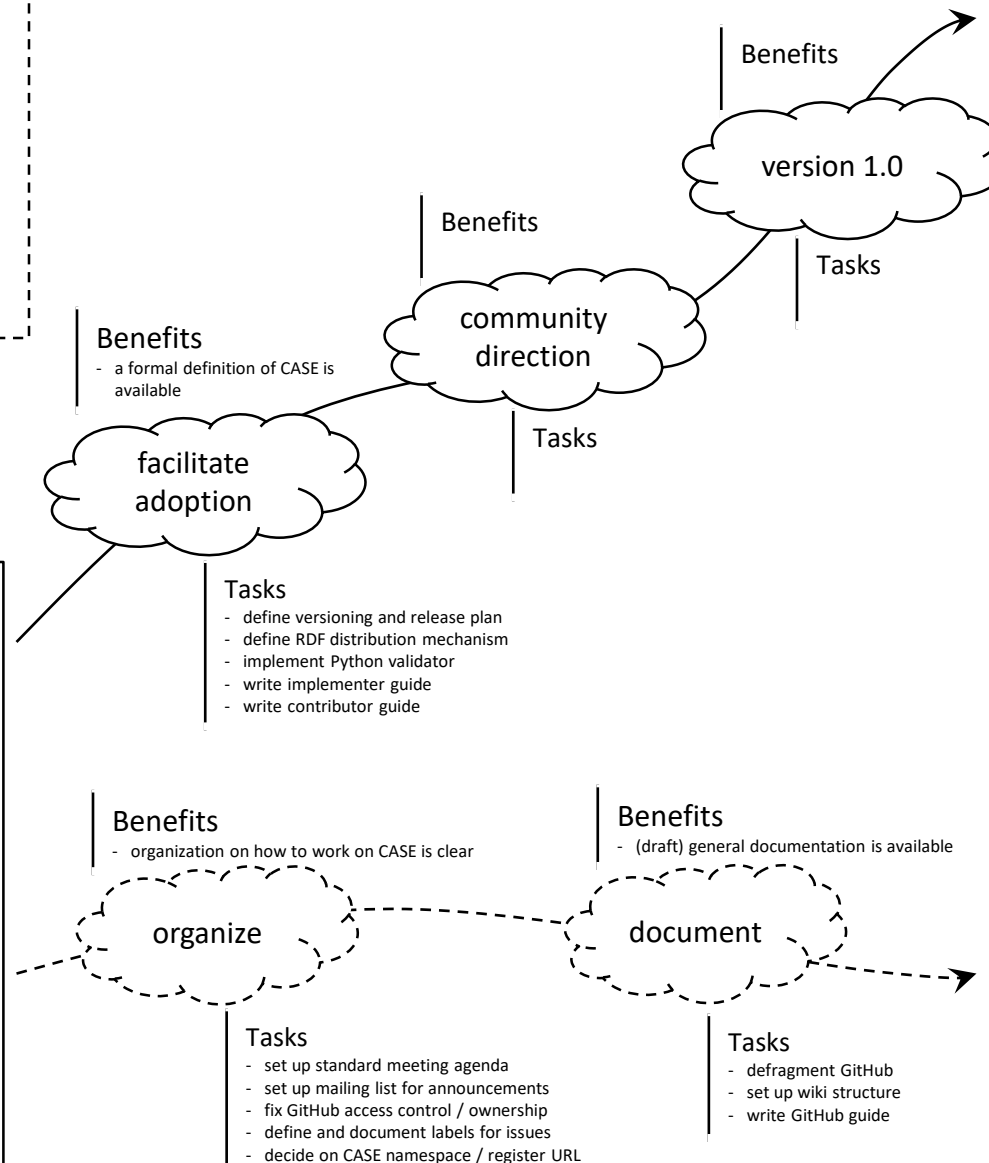
Organization:

- no (issue-based) agenda for meetings
- no announcement mailing list
- GitHub fragmentation
- GitHub access control / ownership
- no wiki structure
- issue labeling
- CASE namespace not defined (URL)

CASE roadmap

Cyber-investigation Analysis Standard Expression

DRAFT - version 2018-04-12



Goals

All major tools provide a mechanism for importing and exporting CASE expressions.

CASE is actively used to:

- support investigations
- evidence exchange
- validate tools (based on ground truth available as CASE expression)

Organization

Online community

Regular (virtual) community meetings:

- ontology directions
- proposal/change decisions

Mailing list:

- announcements

GitHub:

- issue tracking
 - bugs
 - proposals (voting)
- versioning
 - releases
 - milestones
 - snapshots (work in progress)
- wiki
 - recorded meetings
 - meeting notes
 - implementer guide
 - contributor guide
 - GitHub guide

Website:

- publications
- announcements
- mailing list subscriptions
- RDF releases