OIDL-0003 - DevOps Decisions (DRAFT)

Decisions around Development, Deployment and Management of the Network

This page provides a list of decisions we've made around IaC.

IaC documentation can be found here (TBD, link to Senofi documentation)

Use Hyperledger Fabric Operator to Manage the Network

Context and Problem Statement

Hyperledger fabric describes a network of organizations participating in a distributed ledger network. The network is private and permissioned. As a result, the configuration of the network is ever evolving. Making configuration separate, easy and visible is important.

Decision Drivers

- make configuration easy
- make configuration visible
- separate configuration from IaC

Considered Options

- blockchain automation framework (BAF)
- manual configuration
- hyperledger fabric operator

Decision Outcome

Chosen option: "hyperledger fabric operator", because {justification. e.g., only option, which meets k.o. criterion decision driver | which resolves force {force} | … | comes out best (see below)}.

Consequences

- Good, because {positive consequence, e.g., improvement of one or more desired qualities, …}
- Bad, because {negative consequence, e.g., compromising one or more desired qualities, …}
- …

Validation

{describe how the implementation of/compliance with the ADR is validated. E.g., by a review or an ArchUnit test}

Pros and Cons of the Options

{title of option 1}

{example | description | pointer to more information | …}

- Good, because {argument a}
- Good, because {argument b}

- Neutral, because {argument c}
- Bad, because {argument d}
- …

{title of other option}

{example | description | pointer to more information | …}

- Good, because {argument a}

- Good, because {argument b}
- Neutral, because {argument c}
- Bad, because {argument d}
- …

More Information

{You might want to provide additional evidence/confidence for the decision outcome here and/or document the team agreement on the decision and/or define when this decision when and how the decision should be realized and if/when it should be re-visited and/or how the decision is validated. Links to other decisions and resources might here appear as well.}