Revision of BIF whitepaper draft

Takuma TAKEUCHI
Fujitsu Laboratories Ltd.
 <takeuchi.takuma@fujitsu.com>
 RocketChatID: @takeutak

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Overview

- Action item by next BIF phone meeting:
  - Make revision of the following draft of BIF whitepaper (written by Accenture) https://github.com/petermetz/blockchain-integration-framework/blob/docs/peter.somogyvari/whitepaper/docs/whitepaper/whitepaper.md

Summary of our views

- Thank you for Peter since he prepared a draft in a short period
- To explain our project to TSC members, a lot of revision is needed
- I'd like to discuss how to proceed with our revision work

FUJITSU

■ **Our thought for revision**

- We suggest a minor revision to Chapter 1 (Abstract) . Chapter 1 means that it sums up the whole then it should be reviewed again when other chapters are fixed.

- Chapter 2 (Use cases) is important for Global Forum since it explains our project vision. But in the current draft, the document format is not unified by sections, so it's difficult for multiple people to edit together.

- Chapter 3 (Design principles and feature requirements) has duplicate and redundant items and needs to be organized again. It needs to be revised.

- Chapter 4 (Architecture) should be reviewed again when Chapter 2 and 3 are fixed. Following chapters are like this.

■ **Immediate subject to be revised**

- **Chapter 2 (Use cases) and chapter 3 (Design principles and Feature requirements)** symbolize our project vision. Then these must be fixed by Global Forum starts.

- Of course, Chapter 1 (Abstract) must be also fixed by Global Forum starts. It is revised after chapter 2 and 3 are fixed.

■ In this slide, I suggest a revision plan of chapter 1 and chapter 2.

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■ Current draft

1. Abstract

Blockchain technologies are growing in usage, but fragmentation is a big problem that may hinder reaching critical levels of adoption in the future.

We propose a protocol and it's implementation to connect as many of them as possible in an attempt to solve the fragmentation problem by creating a heterogeneous system architecture ^{[1](#7-references)} similar to what the banking system has where each institution can have their own internal implementation of financial transactions and yet cross-institution transfers are a common and well supported use case.

We do not limit ourselves to financial transactions, but instead aim to remain unopinionated and flexible for future extensions to be a catalyst of innovation rather than slowing it down.

FUJITSU

■ **Our revision**

1. Abstract

Blockchain technologies are growing in usage, but fragmentation is a big problem that may hinder reaching critical levels of adoption in the future.

We propose a protocol and it's implementation to connect as many of them as possible in an attempt to solve the fragmentation problem by creating a heterogeneous system architecture ^{[1](#7-references)} ~~similar to what the banking system has where each institution can have their own internal implementation of financial transactions and yet cross-institution transfers are a common and well supported use case.~~

~~We do not limit ourselves to financial transactions, but instead aim to remain unopinionated and flexible for future extensions to be a catalyst of innovation rather than slowing it down.~~

Delete the last two sentences

Because:
 - Main application field of our project should not be fixed to be financial use cases, since the market of blockchains is now expanding beyond finance (e.g., health care, supply chain)

We will revise the chapter again when the other chapters are fixed.

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■ **Current draft**

2.1 Fabric to Quorum Asset Transfer
Export an asset from one network to the other.
Details TBD

2.2 Escrowed Sale of Data for Coins
Organization A is looking to buy some data. Organization B has some data it's looking to monetize.
Data in this context is any series of bits stored on a computer:
* Machine learning model
* ad-tech database
* digital/digitized art
* proprietary source code or binaries of software
* etc.
Organization A and B trade the data and the funds through a BIF transaction in an
atomic swap with escrow securing both parties from fraud or unintended failures.
Through the transaction protocol's handshake mechanism, A and B can agree (in
advance) upon
* The delivery addresses (which ledger, which wallet)
* the provider of escrow that they both trust
* the price and currency
Establishing trust (e.g. Is that art original or is that machine learnig model has the advertized accuracy) can be facilitated through
the participating DLTs if they support it.

2.3 Money Exchanges
Enabling the trading of fiat and virtual currencies in any permutation of possible pairs.
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Our comment:
- The document format is not unified by sections, so it's difficult for multiple people to edit together
- Therefore, we suggest a format of use-cases

■ **Use case template**

- ■ The following W3C template is an example of use case template
  https://www.w3.org/wiki/Socialig/Use_Case_TF/Use_Case_Template
- ■ The items **Prerequisites** and **Sequence diagram** are added because it's needed when we discuss about implementation of the use cases

- ■ Items
  - Use Case Title
  - Use Case
  - Type of Social Interaction
  - Narrative
  - Actors
  - Goals of Actors
  - Success Scenario
  - Success Criteria
  - Failure Criteria
  - Prerequisites
  - Sequence diagram
  - Comments