BSafe.network
Layer 2 technology competition

Example of Application Documents

Cover Sheet

Name of Submitter(s) with affiliation (Underline the corresponding proposer)	
Contact e-mail address	
Name of proposed technology	

Technical Document of XXX(name of proposal)

Names of Authors with affiliations
May 18, 2018

1. Abstract

This document describes technical aspects of our proposal to BSafe.network Layer 2 technology competition, for theoretical review.
This proposal is evaluating the throughput of transaction and resilience to failure of a certain amount of layer 2 nodes...

2. Goal of evaluation

2.1. Target layer 2 technology to evaluate

This proposal aim to evaluate Lightning Network, version xxx...

2.2. Characteristics to evaluate

This proposal aims to evaluate following characteristics of layer 2 technology.

- Throughput of
-
-

3. Design rationale

4. System overview

5. Details of proposal

6. Expected system requirements

7. Test data set

We prepare two pairs of data set to evaluate the target layer 2 technology.

8. Self evaluation

8.1. Self evaluation environment

8.2. Result of self evaluation

9. Intellectual property disclosure

This proposal contains following patents in application and intellectual properties.

- Name of patent application

References

[1] J. Poon and T. Dryja, "The Bitcoin Lightning Network: Scalable Off-Chain Instant Payments," https://lightning.network/lightning-network-paper.pdf
[2] Satoshi Nakamoto, "Bitcoin: A Peer-to-Peer Electronic Cash System
," https://bitcoin.org/bitcoin.pdf
[3]
[4]

Installation guide of XXX(name of proposal)

Names of Authors with affiliations
May 18, 2018

1. Environment

Our proposed software codes need to be installed into following server/device and environments.

1.1 Full node

1.2 Layer 2 node

1.3 Additional device for evaluation

2. Materials included in the package

3. Installation procedure

3.1. Full node

3.2. Layer 2 node

3.3 Additional device for evaluation

3.4. Data set for evaluation

4. Operation of evaluation

4.1 Procedure

4.2 Evaluation results

The software output

5. Evidence of malware check