

BSafe.network  
Layer 2 technology competition

Example of Application Documents

# Cover Sheet

<b>Name of Submitter(s) with affiliation</b> ( <u>Underline the corresponding proposer</u> )	
<b>Contact e-mail address</b>	
<b>Name of proposed technology</b>	

# 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
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## 3. Design rationale

## 4. System overview

## 5. Details of proposal

## 6. Test data set

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

## 7. Self evaluation

## 8. 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  
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## 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