ALINE

Attestation that Online Content Existed

Master Semester Project at DEDIS Lab – Fall 2019

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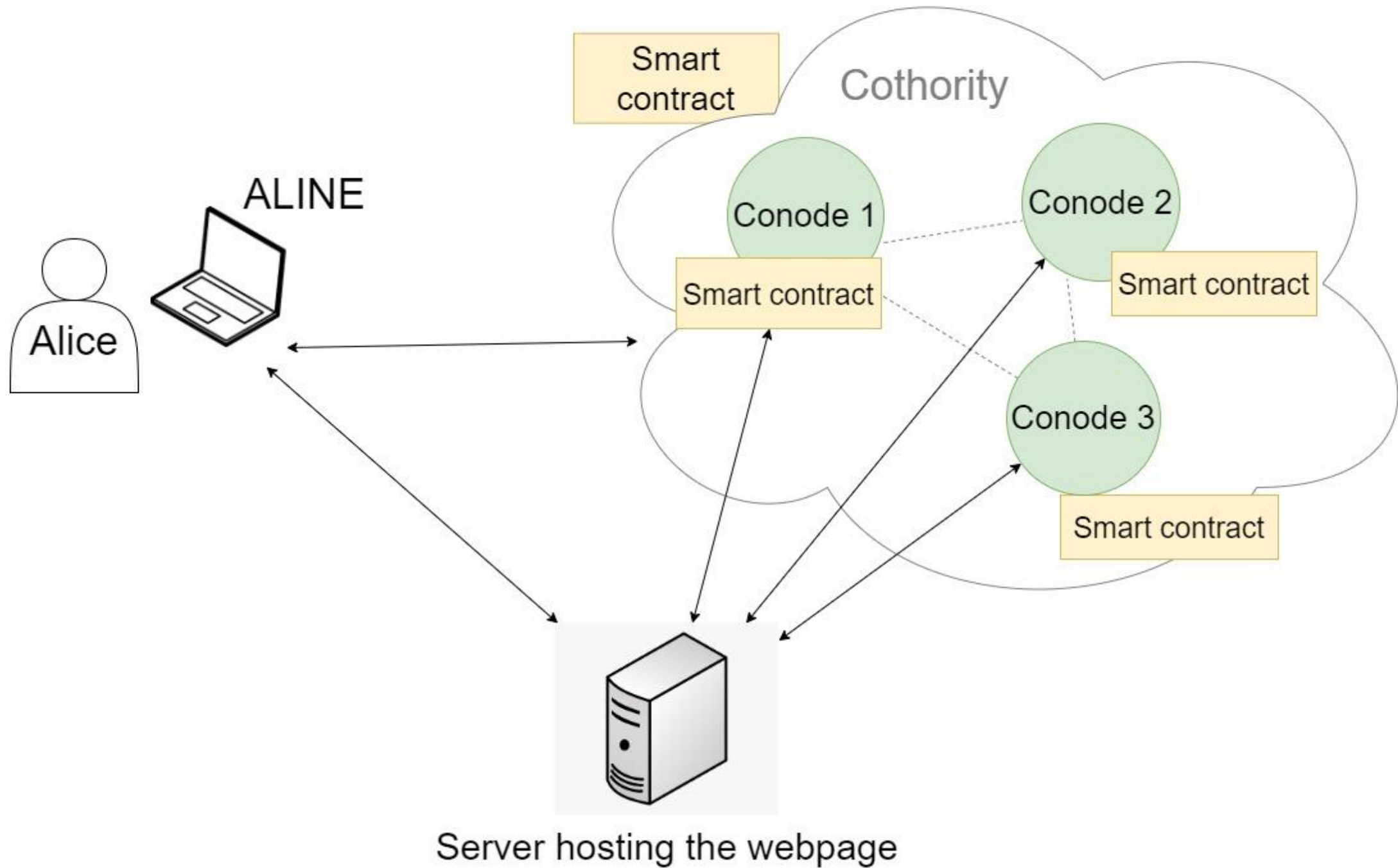Under the responsibility of
Prof. Bryan Alexander Ford

Motivation

- No proof that some online content existed

- Certify some web pages content at anytime using blockchains

Aim of the project

- Allow users to certify some online content

- Implement a new smart contract

- Develop a browser plugin that allows users to use this smart contract in an intuitive and easy way
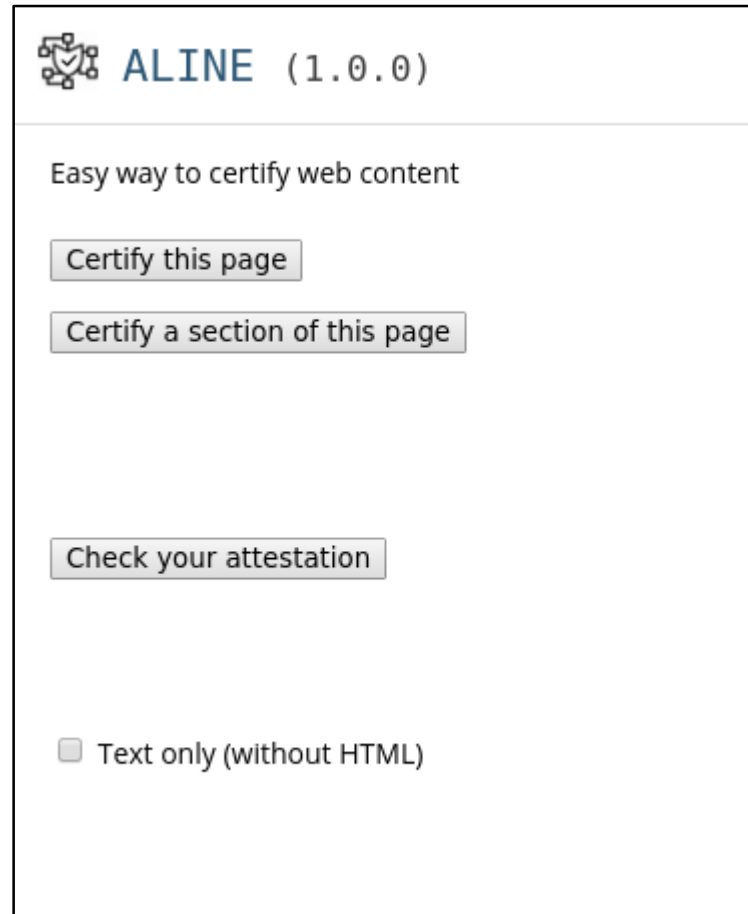
Smart contract

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ALINE

Alice

Conode 1

Smart contract

Conode 2

Smart contract

Conode 3

Smart contract

Server hosting the webpage

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Smart contract

```go
type ContractWebPageData struct {
        URLWebPage      string

        HashedContent   []byte

        Selector        string

        CreationDate    string

        TextOnly        bool

}
```
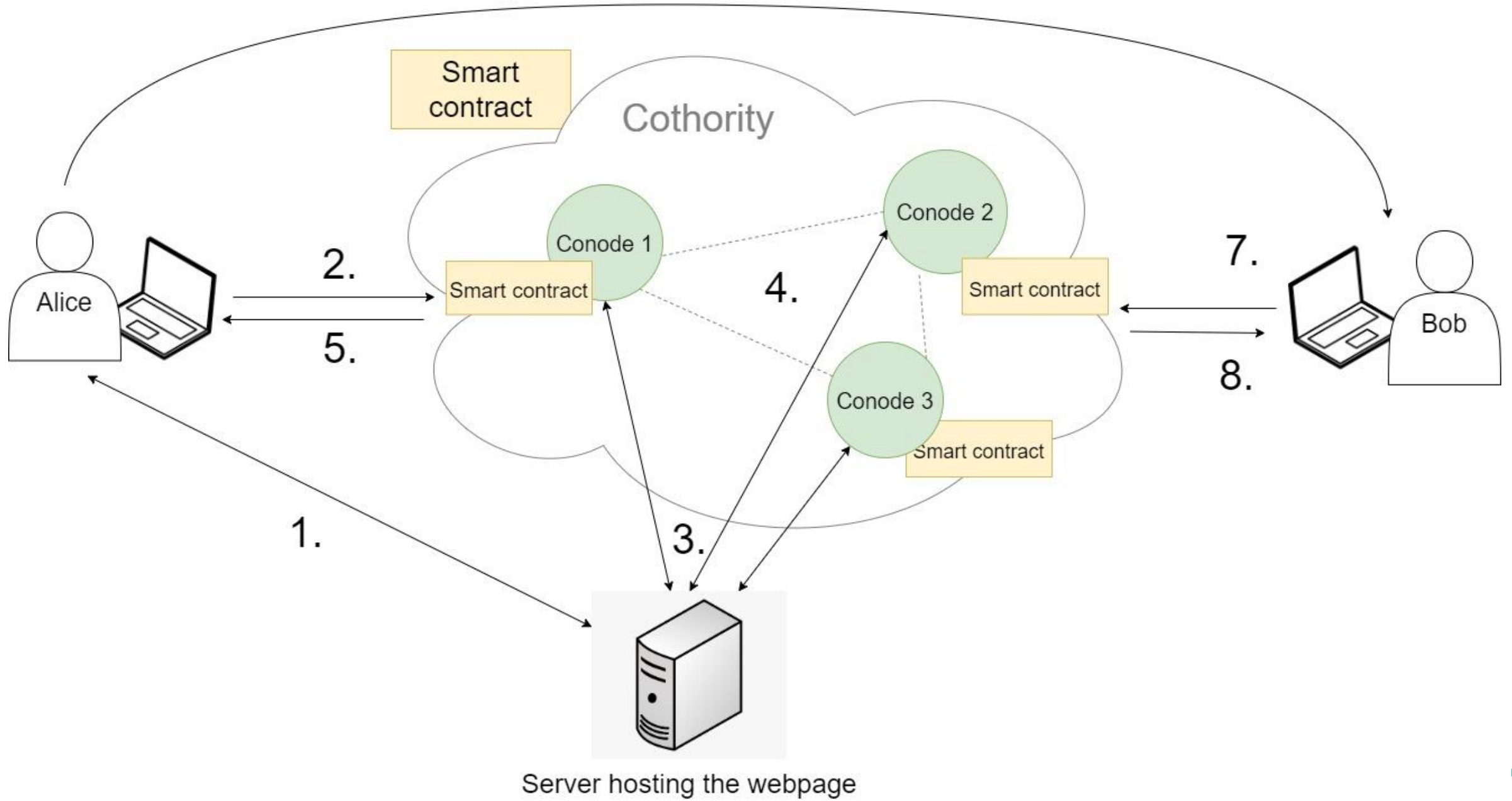
Chrome extension

Server hosting the webpage

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Time for the demo !

Encountered Problems

Chrome development environment is very restricted

Thank you a lot for your attention !