

ALINE

Attestation that **Online** Content Existed

Master Semester Project at DEDIS Lab – Fall 2019

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1. Motivation
2. Aim of the project
3. Overview
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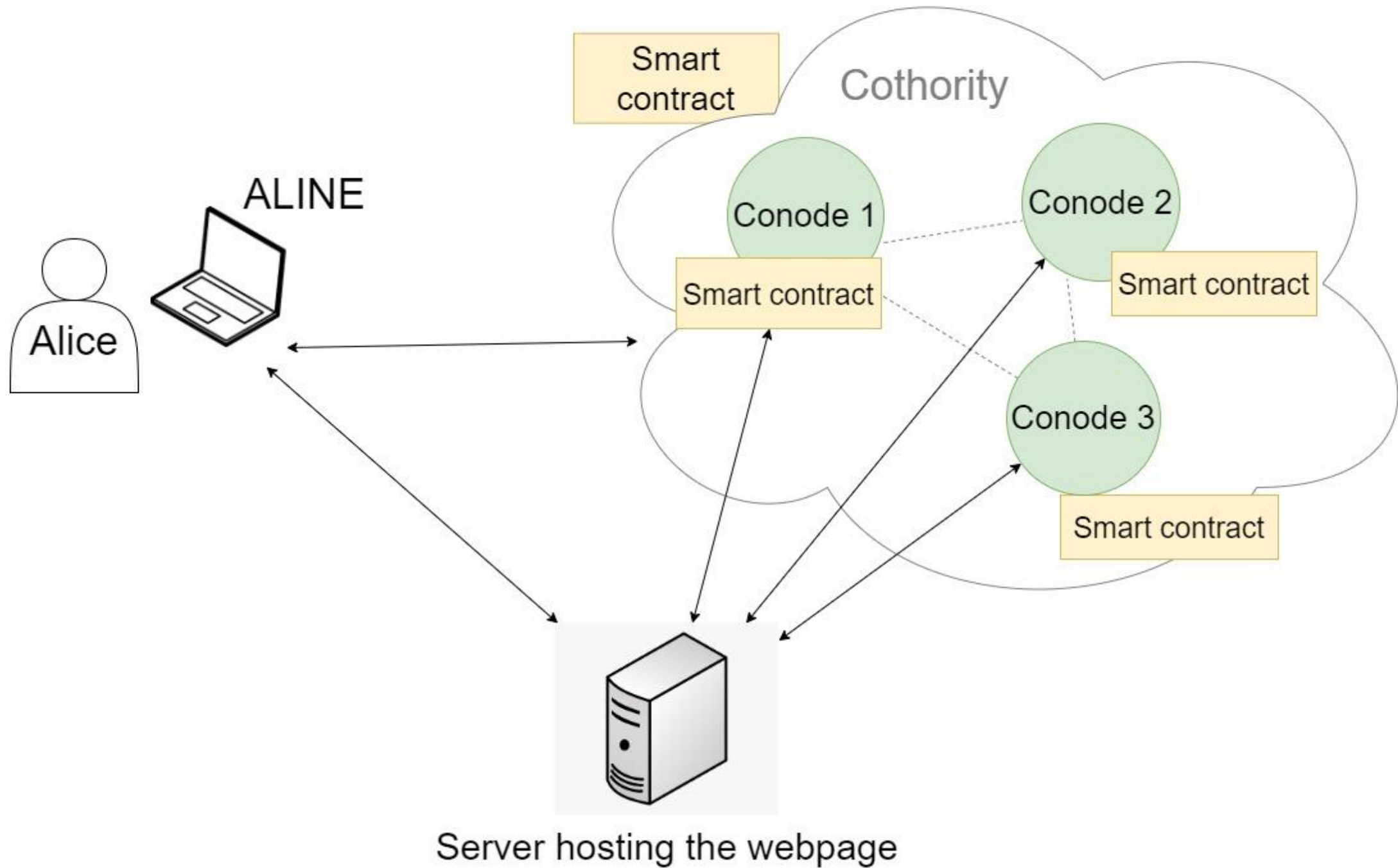
Motivation

- No proof that some online content existed
- Certify some web pages content at anytime using blockchains

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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



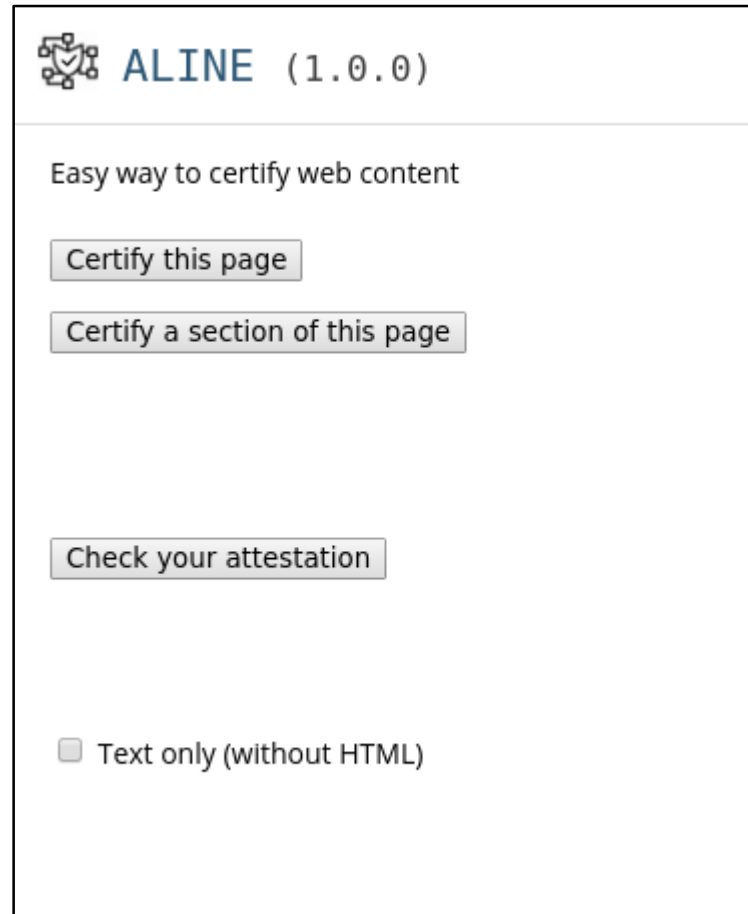
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Smart contract

```
type ContractWebPageData struct {  
    URLWebPage    string  
    HashedContent []byte  
    Selector      string  
    CreationDate  string  
    TextOnly      bool  
}
```

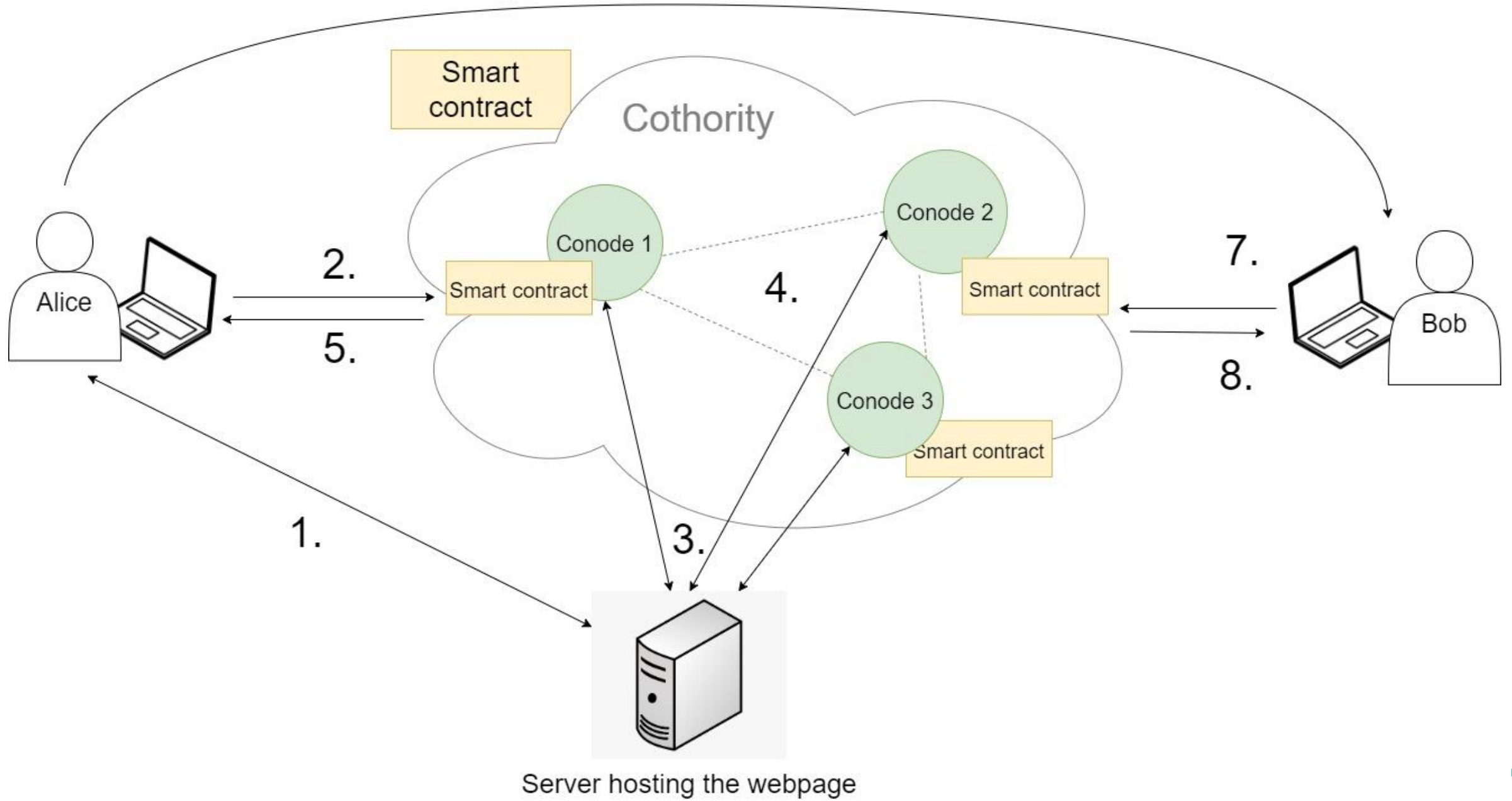
Chrome extension

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The screenshot shows the ALINE Chrome extension interface. At the top left is the ALINE logo, a shield with a checkmark and a gear, followed by the text "ALINE (1.0.0)". Below this is the description "Easy way to certify web content". There are three buttons: "Certify this page", "Certify a section of this page", and "Check your attestation". At the bottom, there is a checkbox labeled "Text only (without HTML)".

6.



Time for the demo !

Encountered Problems

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Chrome development environment is very restricted

Thank you a lot for your
attention !