ALINE

Attestation that Online Content Existed

Master Semester Project at DEDIS Lab – Fall 2019

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Motivation

1. Motivation
2. Aim of the project
3. Overview
4. Smart contract
5. Chrome extension
6. Demo
7. Encountered problems

- 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

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

ALINE (1.0.0)

- Easy way to certify web content
  - Certify this page
  - Certify a section of this page
- Check your attestation
- Text only (without HTML)
Time for the demo!
Encountered Problems

Chrome development environment is very restricted
Thank you a lot for your attention!