Milestone 1

For Milestone 1 we need to supply the following evidence

- Publication of the design document on the official Landano project website.
- Video recording of the prototype demonstration, uploaded to the Landano project's official YouTube channel or website.

Thoughts & Trials

@March 28, 2025

I need to get full clarity on the CF Identity wallet integration. There are several use cases that need to be implemented in the prototype. I need to understand the technical components. Which are not clear. I believe that's in the chatgpt analysis. Should make a diagram of it in Miro.

I basically came to the conclusion that using the Signify Java implementation is not the way to go. Because you don't have edge control anymore. Java actions run in the cloud by default and that compromises the integrity and security of the setup.

Went ahead and create a browserified signify-ts module that I can use within Mendix

See: c:\Mendix\dev\signify-native-wrapper

In short, created a webpack configuration with a browserify option. Then ran the following command:
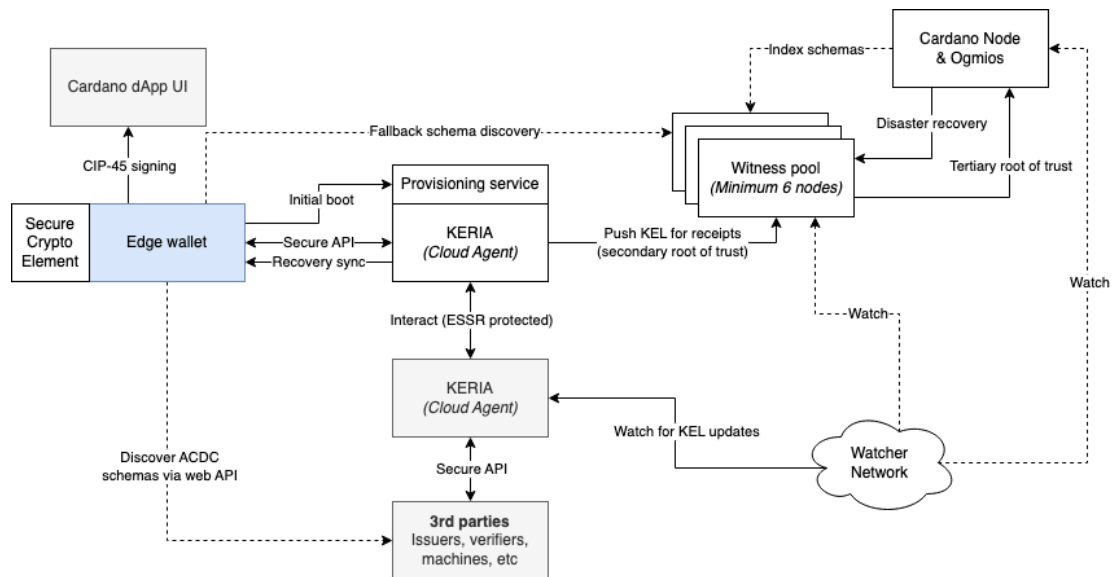
```
npm run build
```

@March 30, 2025

I keep on running into issues trying to make signify-ts work. It's also because I don't fully understand what the limitations are of Javascript actions. Especially what it was.

@June 25, 2025 Checkin & initial actions GOAL: Get milestone 1 out of the door

Some things have changed again. There's been a release and a rebranding. It is now called Veridian. I need to fully understand the architecture again.

Cardano dApp UI

CIP-45 signing

Secure Crypto Element — Edge wallet

Initial boot

Provisioning service

KERIA (Cloud Agent)

Secure API

Recovery sync

Fallback schema discovery

Push KEL for receipts (secondary root of trust)

Witness pool (Minimum 6 nodes)

Index schemas

Cardano Node & Ogmios

Disaster recovery

Tertiary root of trust

Watch

Interact (ESSR protected)

KERIA (Cloud Agent)

Watch for KEL updates

Watch

Watcher Network

Discover ACDC schemas via web API

Secure API

3rd parties
Issuers, verifiers, machines, etc

Logged into node.landano.io

Created folder KERI and cloned veridian into that folder. Make sure you follow the guide to the letter but check every step. Some times copy and paste the commands will lead to them not being processed correctly.

When you've followed everything you can connect the veridian app with the KERIA. When asked for boot url and connection enter the following:

https://keria-boot.landano.io

https://keria.landano.io

Credential can be found at:

https://cred-issuance-ui.landano.io/

Actions

- [ ] Get full clarity on the prototype demonstration
  - [ ] Read the documentation
  - [ ] Build the infra structure
- [ ] Setup Infra Structure
  - [ ] Check system requirements
  - [x] ~~Set up DNS names~~
  - [ ]

References

https://milestones.projectcatalyst.io/projects/1200131/milestones

https://docs.google.com/document/d/1Bzb4FRsKLo6ShmyphQxFG9tKzMD3oHNNA2SwswjMOSo/edit?usp=sharing

https://cardanofoundation.org/veridian

https://docs.veridian.id/