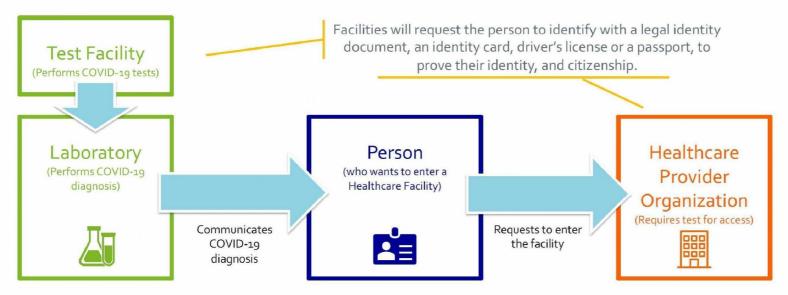


uNLock architecture

Use Case Overview



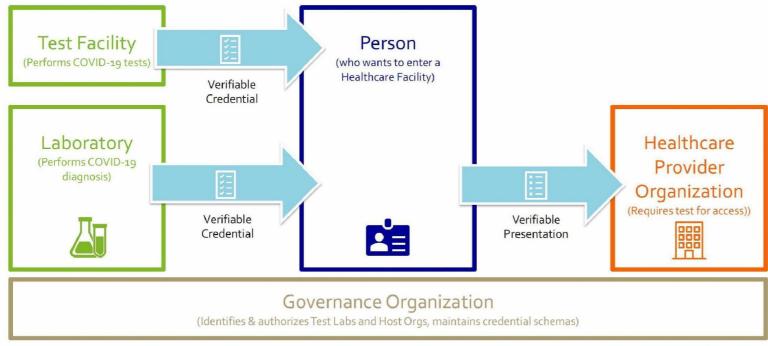
- Within Healthcare, persons are identified with their citizen service number
- Process of testing and diagnosing is not changed due to the introduction of the unlock-app

Every Healthcare Provider Organization specifies the door policy for its facilities.

2

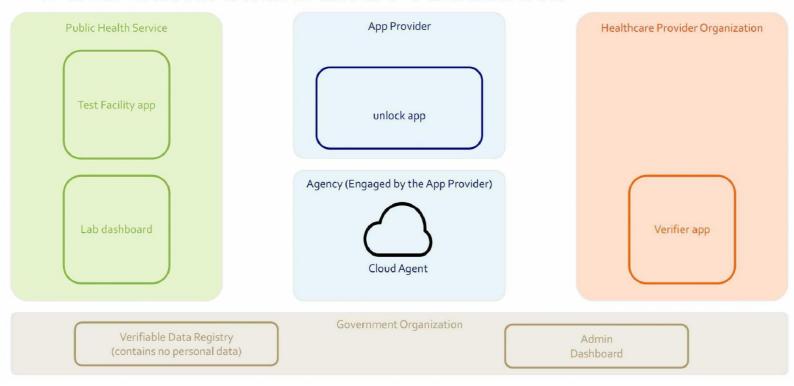
Architectural Roles

(Not modelling facilitator roles here, like Stewards, Hosting Providers and Agencies

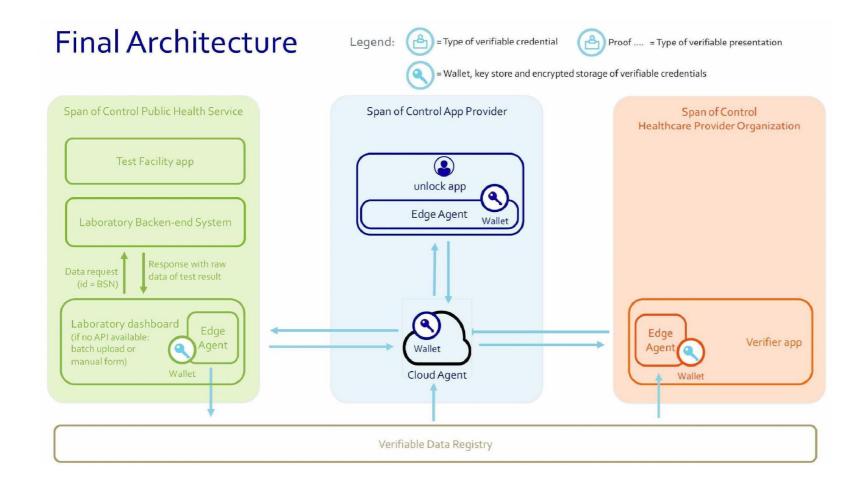


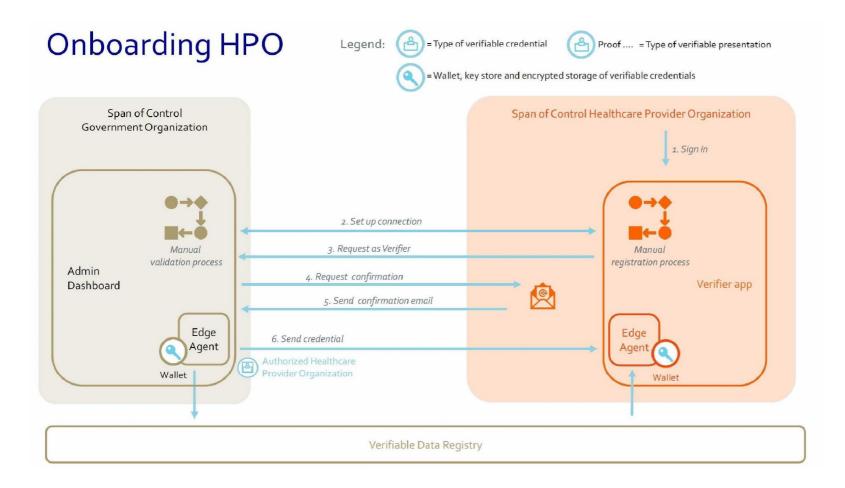
3

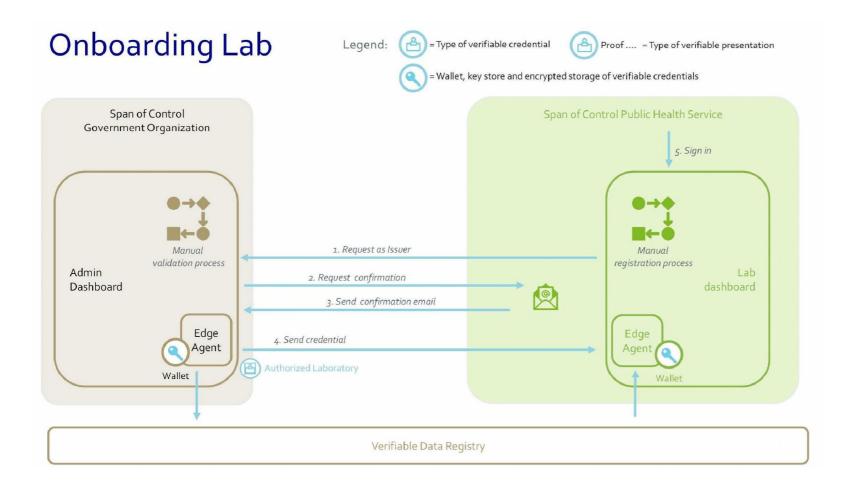
Data Controllers and Processors

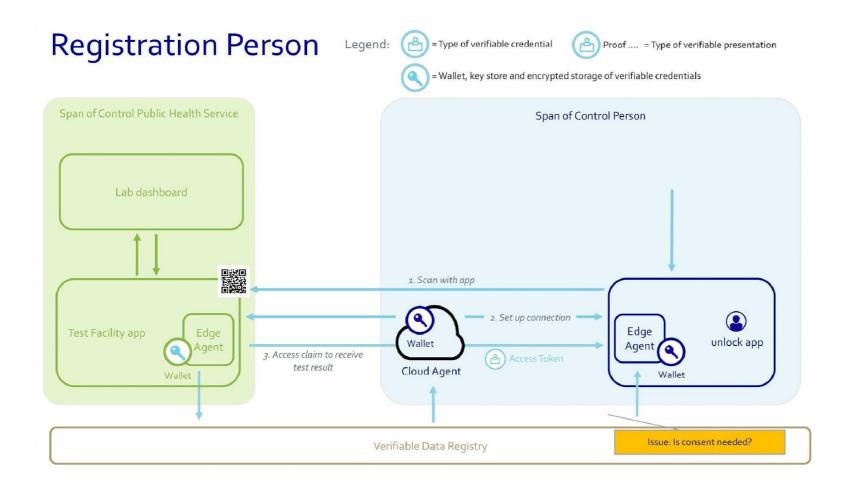


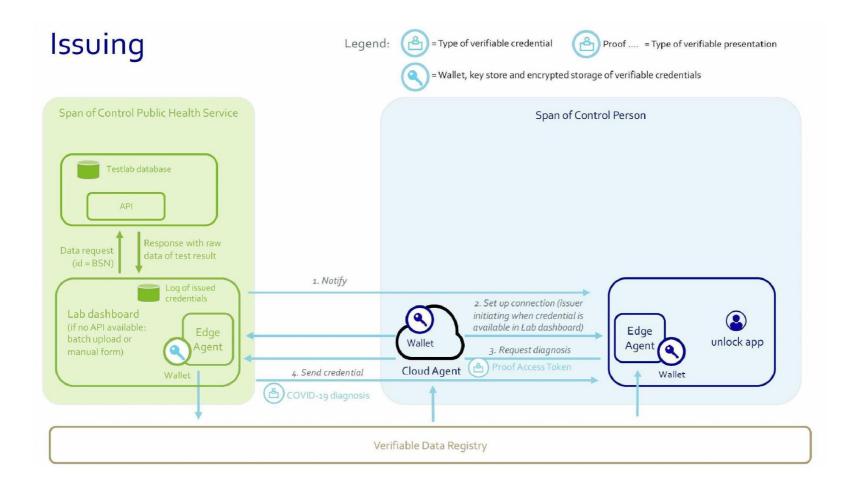
MVP Architecture Legend: = Type of verifiable credential Proof = Type of verifiable presentation = Wallet, key store and encrypted storage of verifiable credentials Span of Control Public Health Service Span of Control Healthcare Provider Organization Testlab database 2. Scan with app 1. Send over email QR code contains endpoint and connection keys Log of issued credentials Verifier app 3. Set up connection 4. Request proof negatively diagnosed COVID-19 Lab dashboard Edge Edge (only manual form) 5. Request proof authorized verifier Agent Agent Proof Authorized Healthcare 6. Present proof to verifier Provider Organization Wallet 7. Present proof on diagnosis Proof negatively diagnosed for COVID-19 **Proof Authorized Laboratory** Verifiable Data Registry





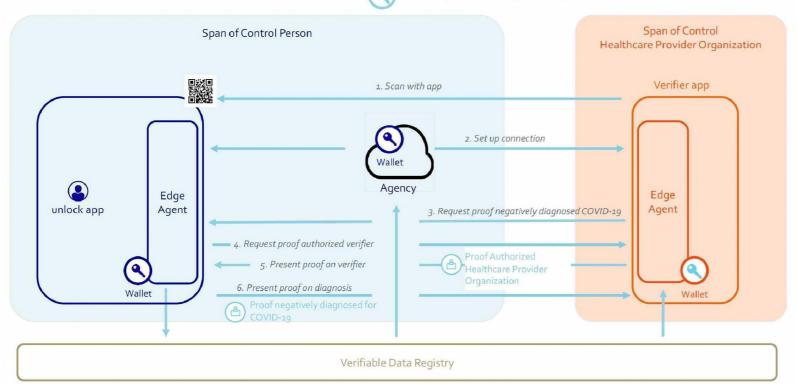






Verifying

Legend: = Type of verifiable credential Proof - Type of verifiable presentation = Wallet, key store and encrypted storage of verifiable credentials



Verifiable Credentials

- 1. Authorized Healthcare Provider Organization
- 2. Authorized Laboratory
- 3. Access Token
- 4. COVID-19 diagnosis

Verifiable Presentations

- Proof Authorized Healthcare Provider Organization
- 2. Proof Authorized Laboratory
- 3. Proof Access Token
- 4. Proof negatively diagnosed for COVID-19