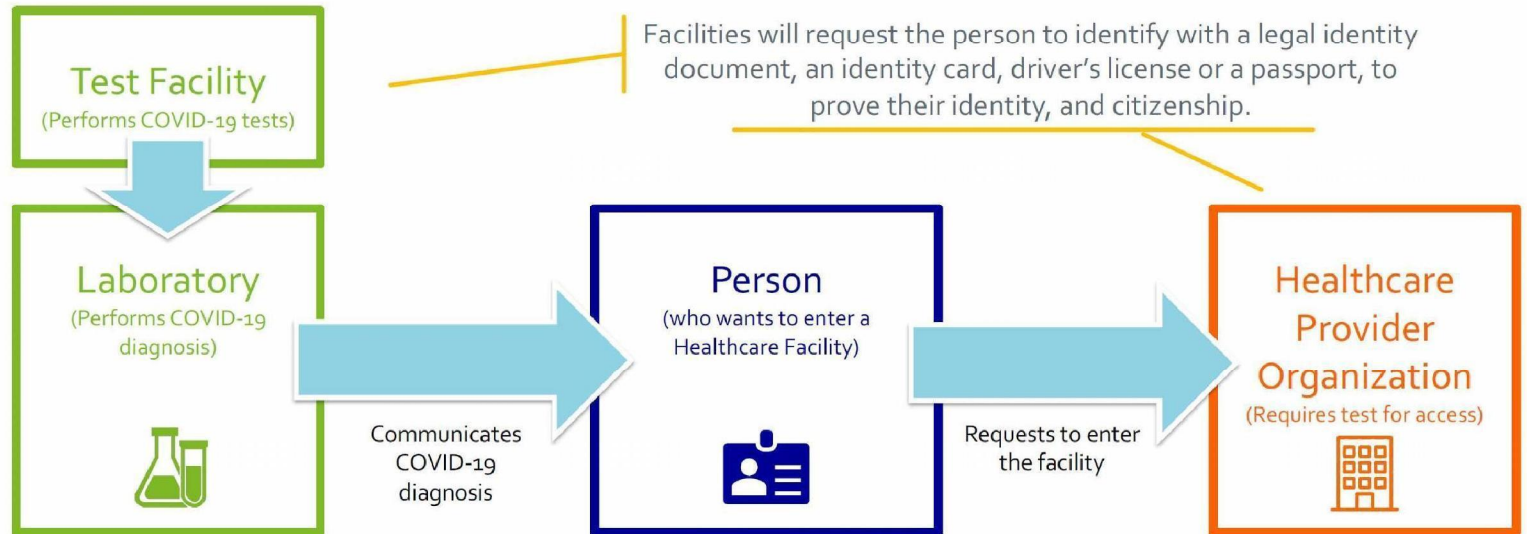




## uNLock architecture

# Use Case Overview

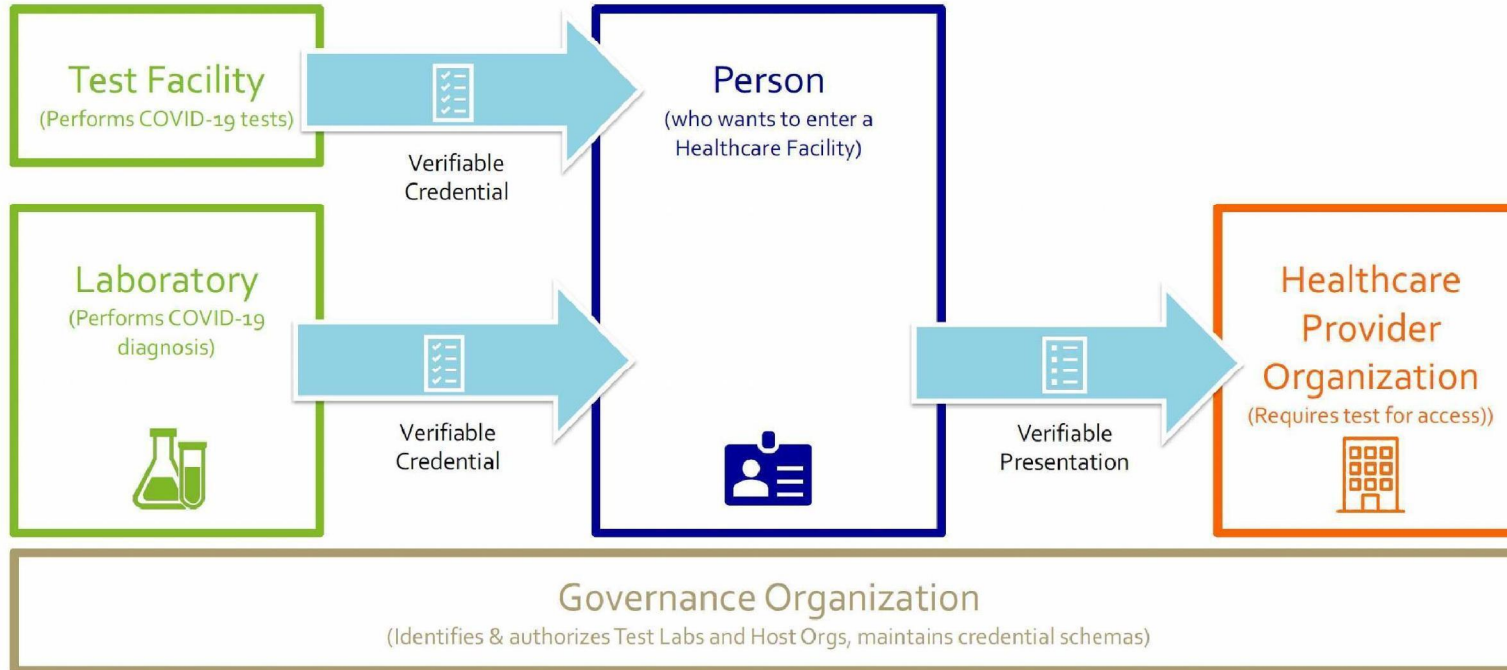


- Within Healthcare, persons are identified with their citizen service number
- Process of testing and diagnosing is not changed due to the introduction of the unlock-app

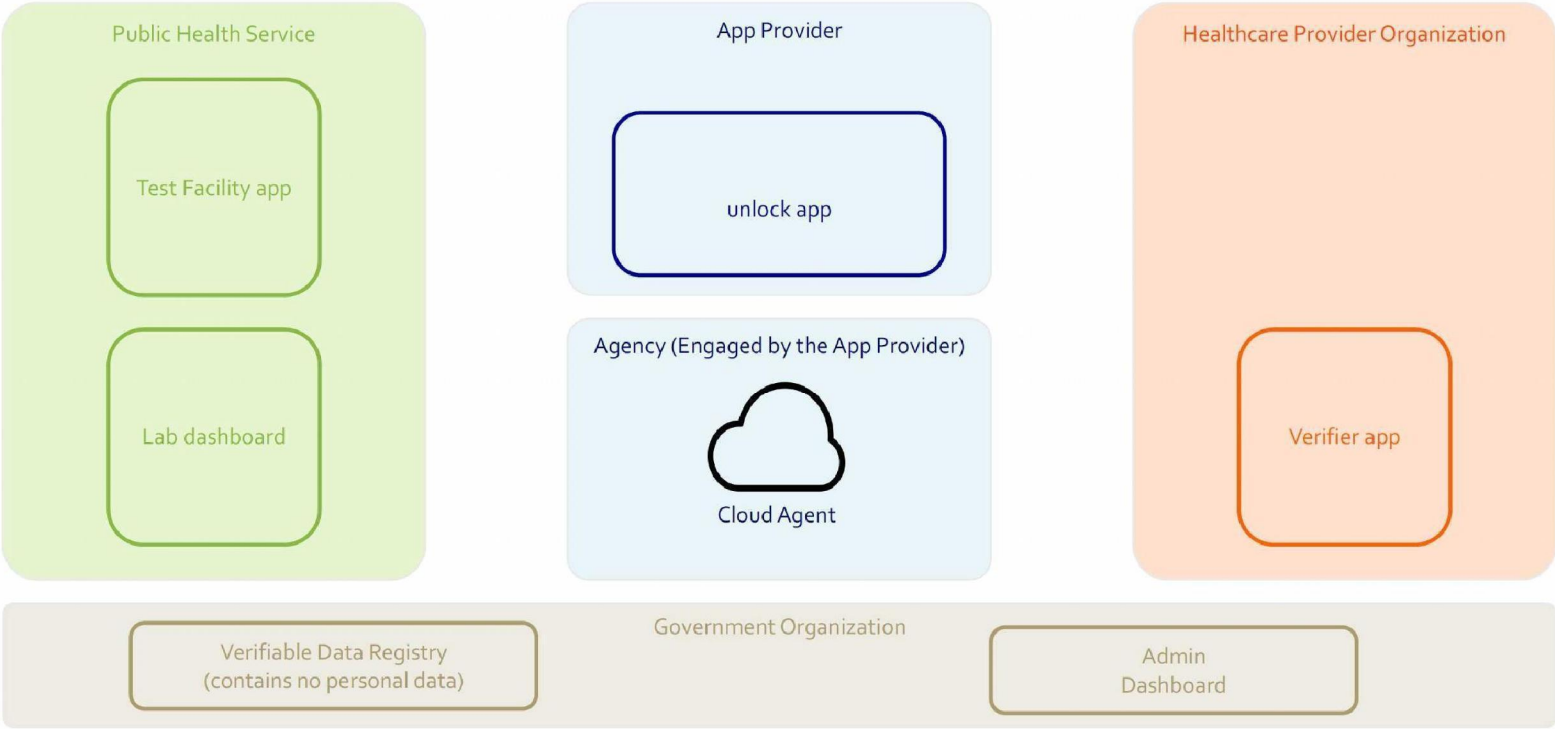
Every Healthcare Provider Organization specifies the door policy for its facilities.

# Architectural Roles

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

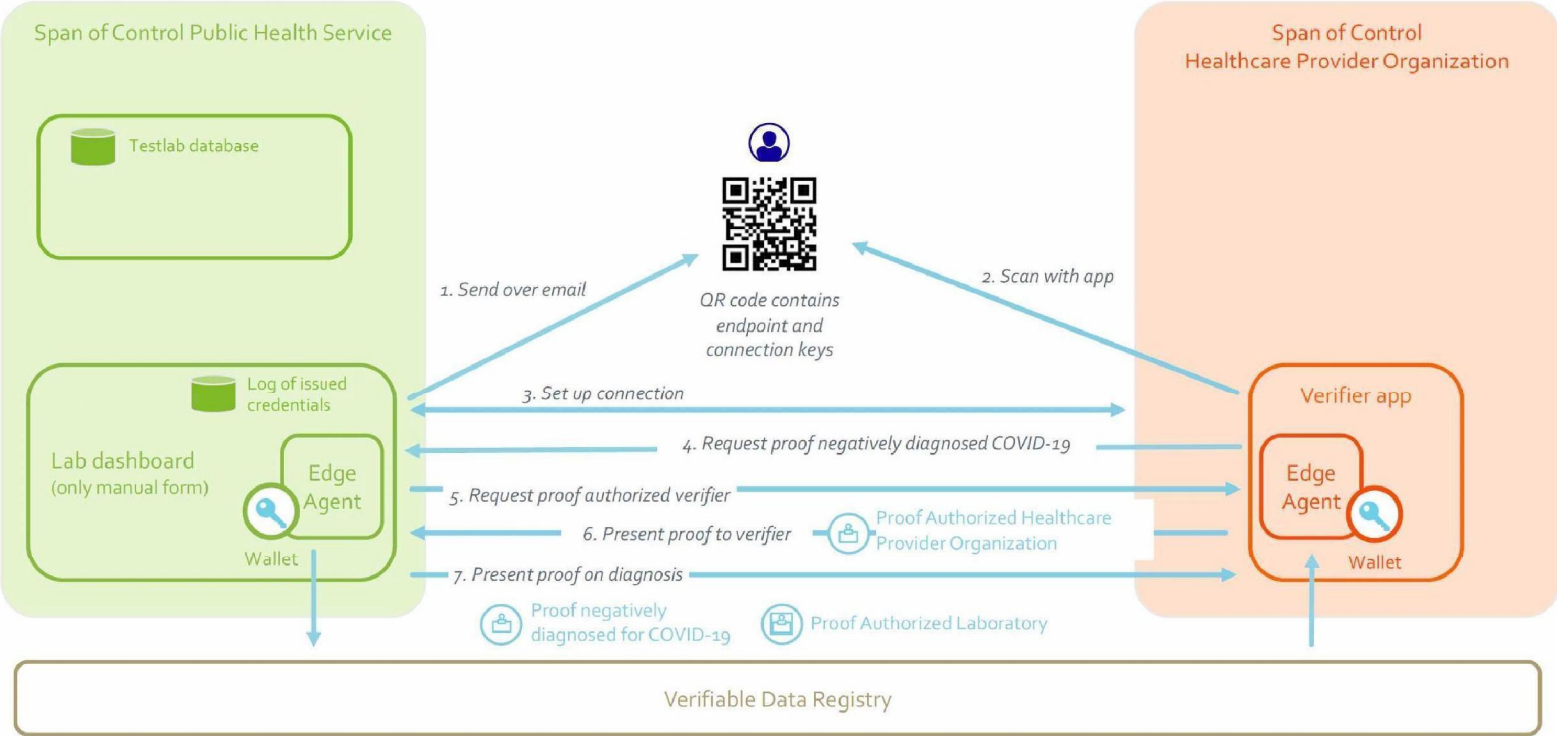


# Data Controllers and Processors



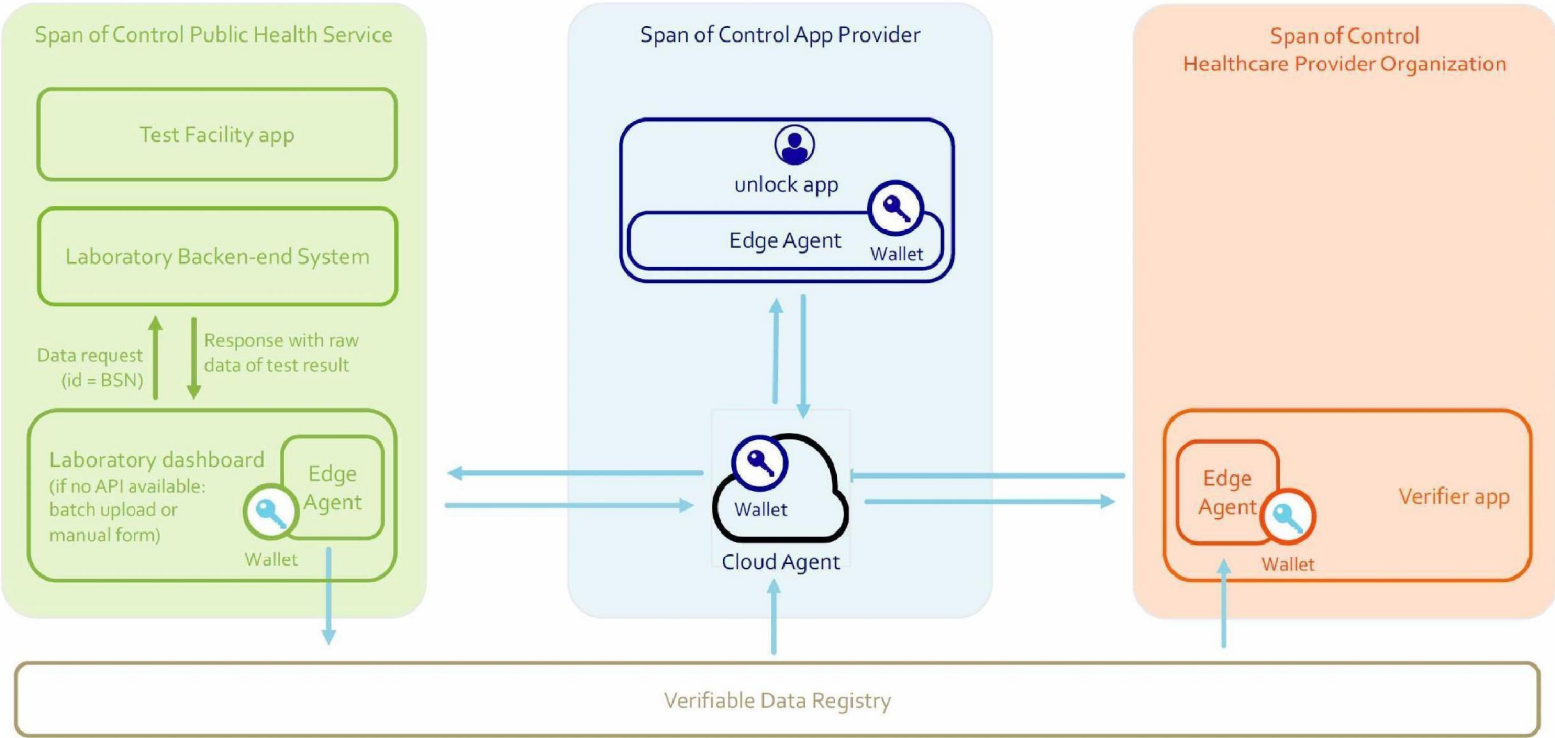
# MVP Architecture

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



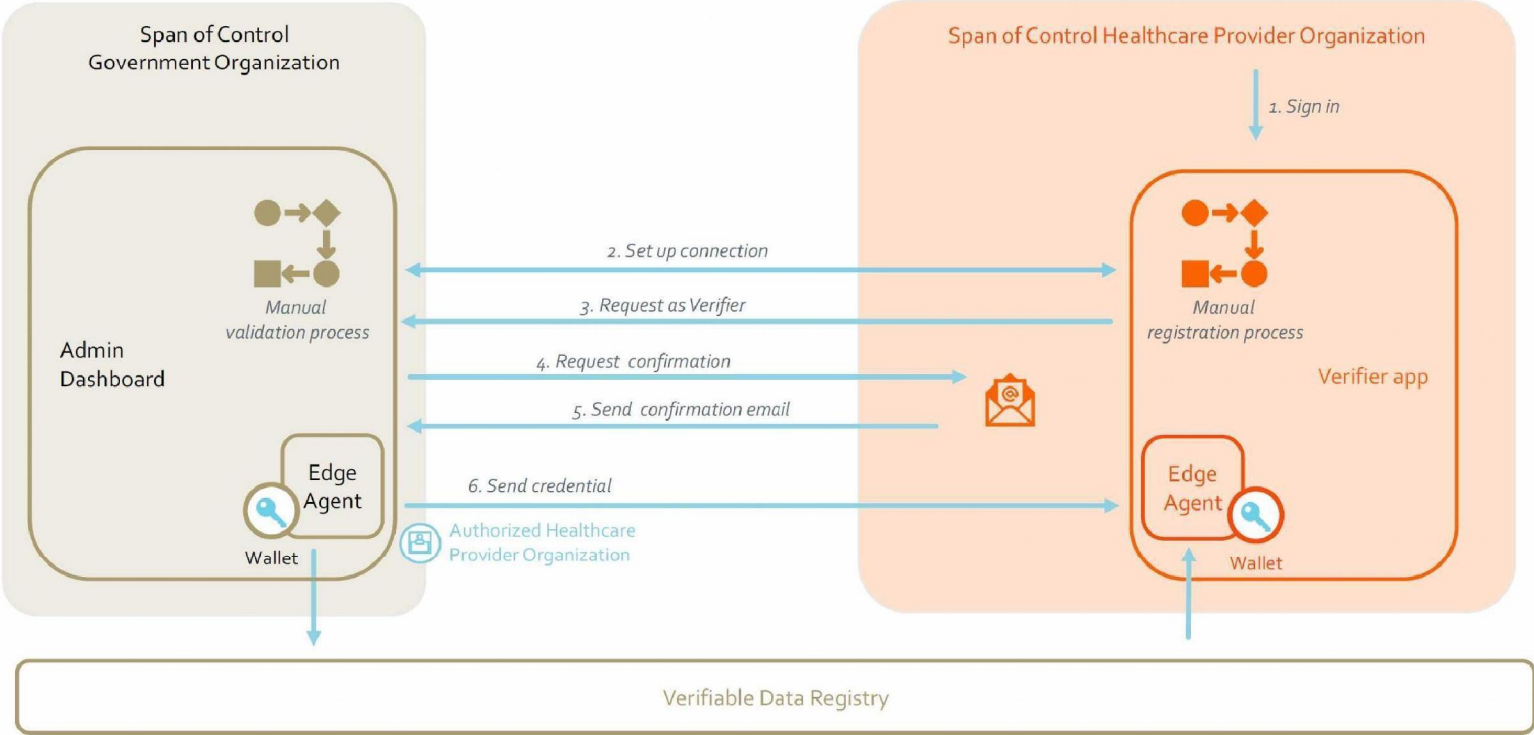
# Final Architecture

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



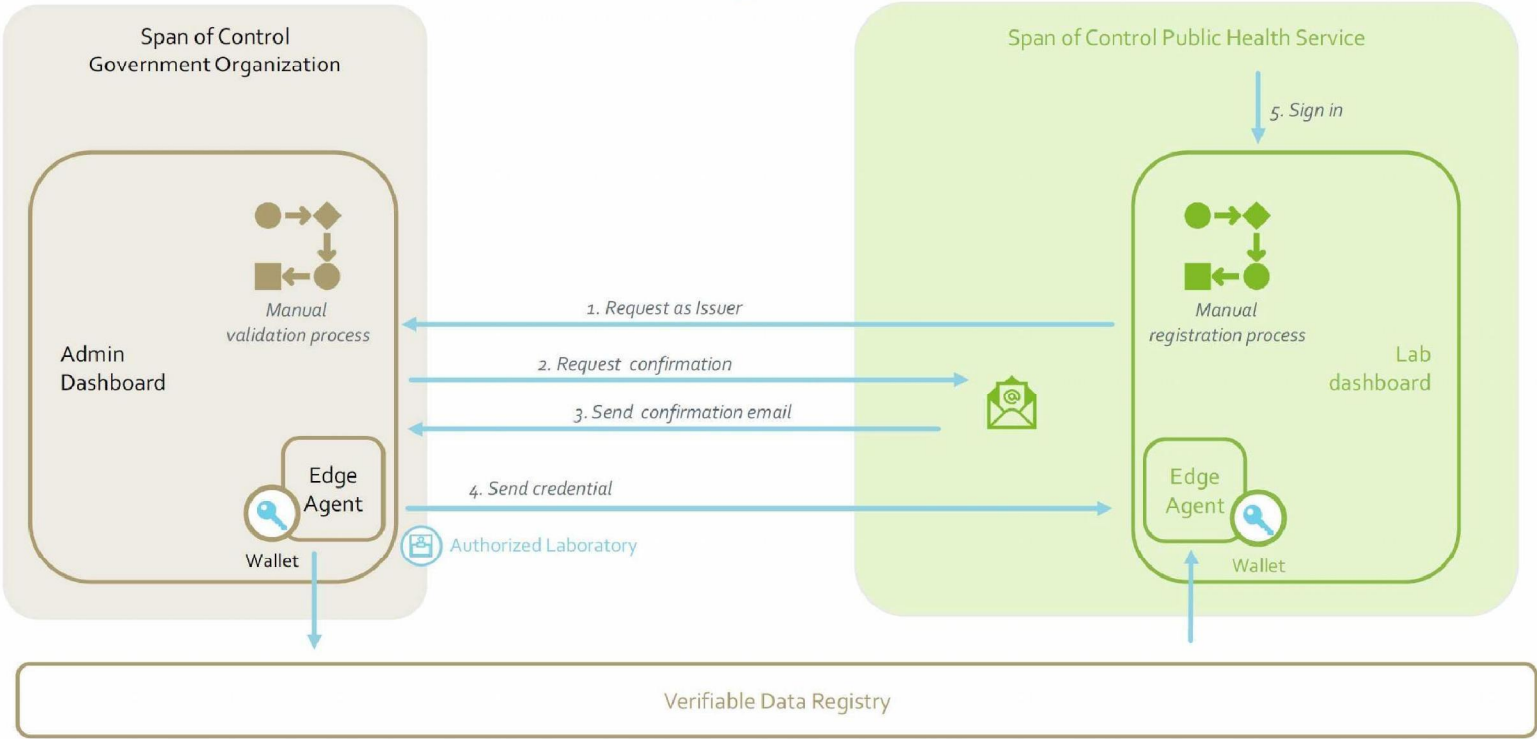
# Onboarding HPO

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



# Onboarding Lab

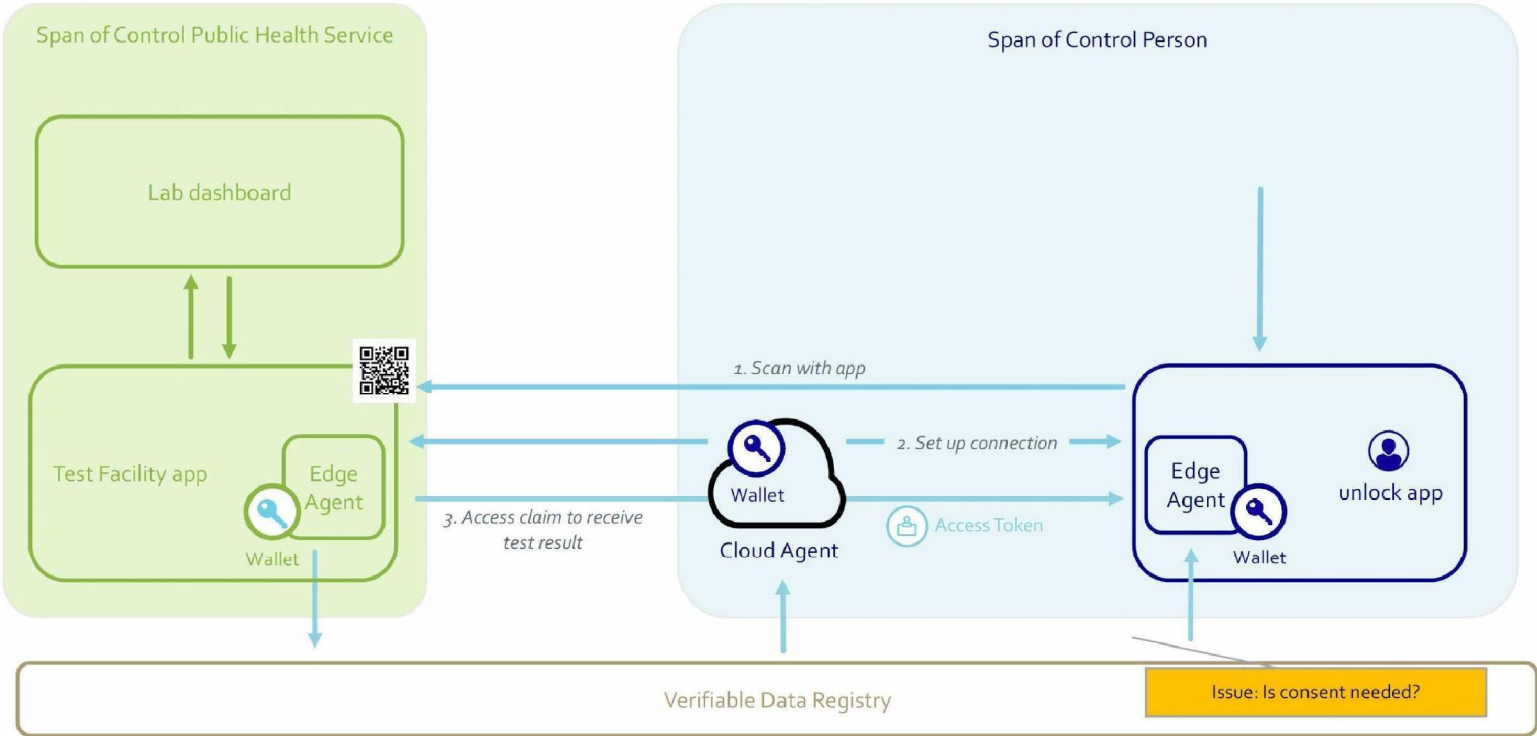
Legend: = Type of verifiable credential    = Type of verifiable presentation  
 = Wallet, key store and encrypted storage of verifiable credentials





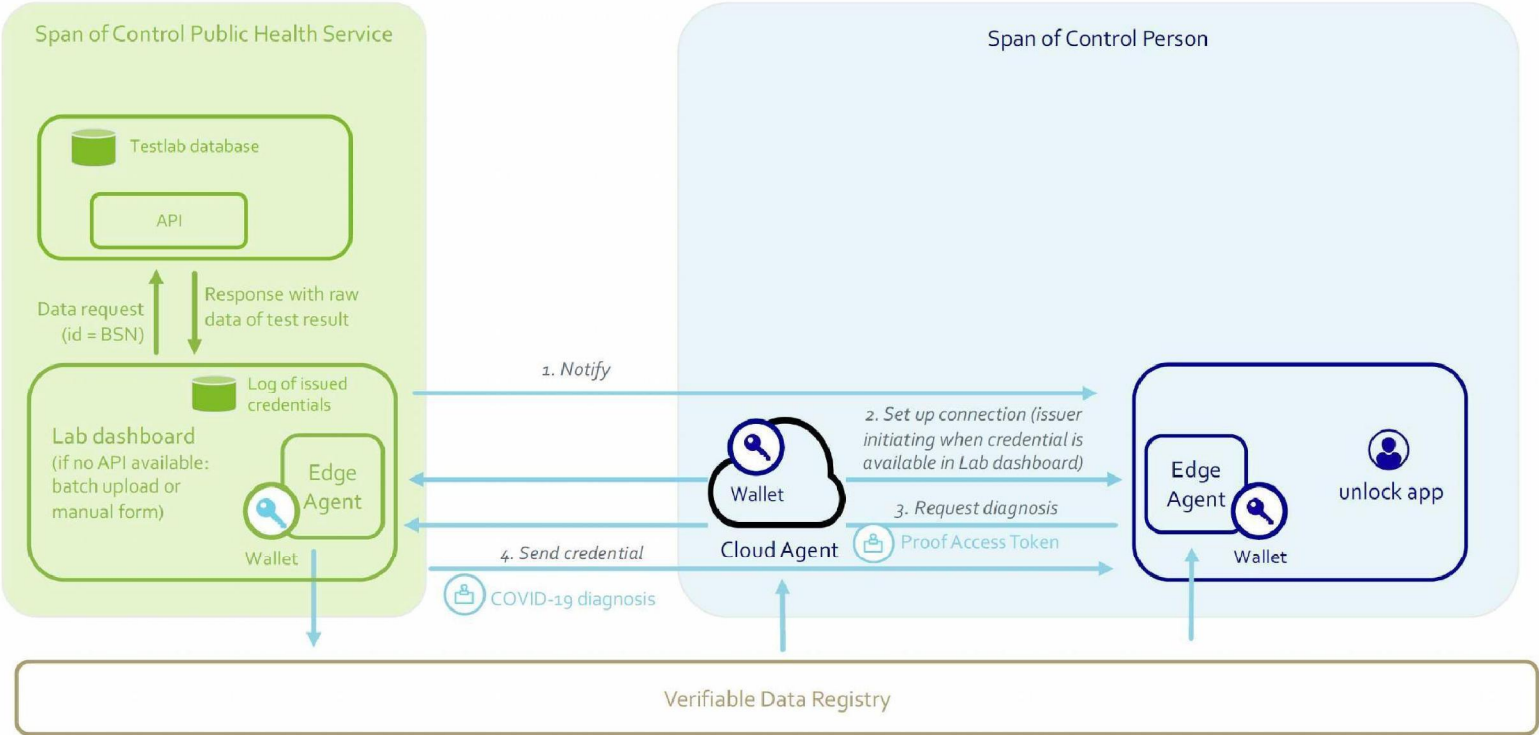
# Registration Person

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



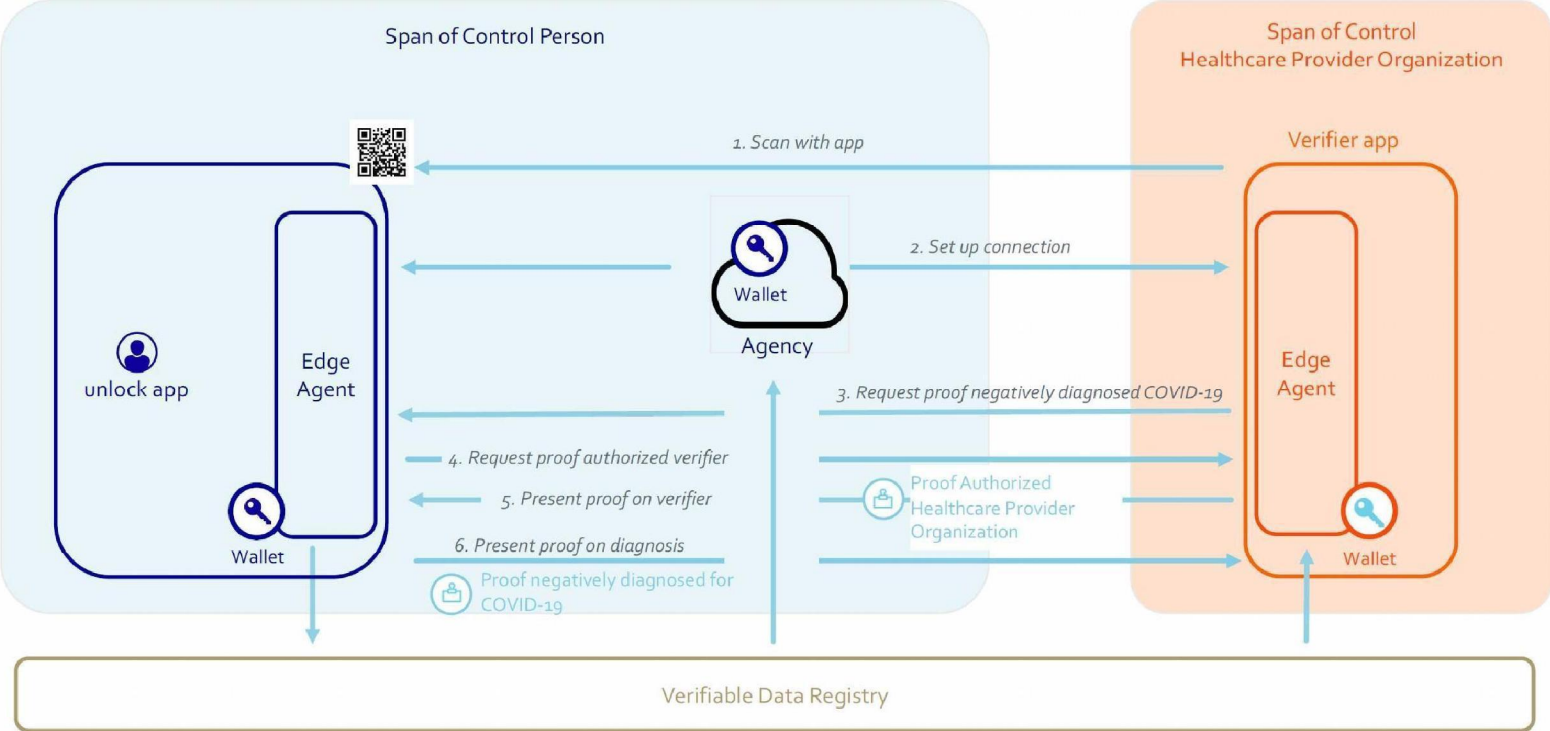
# Issuing

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



# 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

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