



VCBox

Decentralised Identity Enables Business Innovation

Introducing the team



Chi Zhang (Digital Assets Technology Lead from FinFabrik)

Chi's LinkedIn <https://www.linkedin.com/in/chizhang/>



Kaiyang Pan is Blockchain Researcher from FinFabrik.

Kaiyang's LinkedIn <https://www.linkedin.com/in/kaiyang-pan-45a0a19b/>



Cliff HUANG is digital consultant.

Cliff's LinkedIn <https://www.linkedin.com/in/cliff-d-h>

theguardian.com/world/2020/apr/01/chinas-coronavirus-health-code-a...

China

China's coronavirus health code apps raise concerns over privacy

Apps, which allow people to move around after lockdown, have become an integral part of Chinese authorities' management of citizens

- Coronavirus - latest updates
- See all our coronavirus coverage



▲ A worker in a protective outfit checks health QR codes of a man at the entrance of a shopping mall in Wuhan Photograph: ...

theconversation.com/is-the-governments-coronavirus-app-a-risk-to-pri...

Is the government's coronavirus app a risk to privacy?

April 21, 2020 2:03pm AEST

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Few people can fault the government's zeal in staring down the coronavirus and steering a path for Australia to emerge on the other side ready to do business again.

Unlike the crowds amassing in [some US cities](#) to declare their scorn for "stay at home" rules, Australians, generally speaking, have been supportive of federal and state government strategies to tackle the pandemic.

Prime Minister Scott Morrison has added a potential new weapon to his armoury – a [COVID-19 tracing app](#). Government Services Minister Stuart Robert has been spruiking the plan to introduce the app, which is based on technology in use in Singapore.

Read more: [The coronavirus contact tracing app won't log your location, but it will reveal who you hang out with](#)

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Technology

NHS rejects Apple-Google coronavirus app plan

By Leo Kelion
Technology desk editor

27 April 2020

Coronavirus pandemic



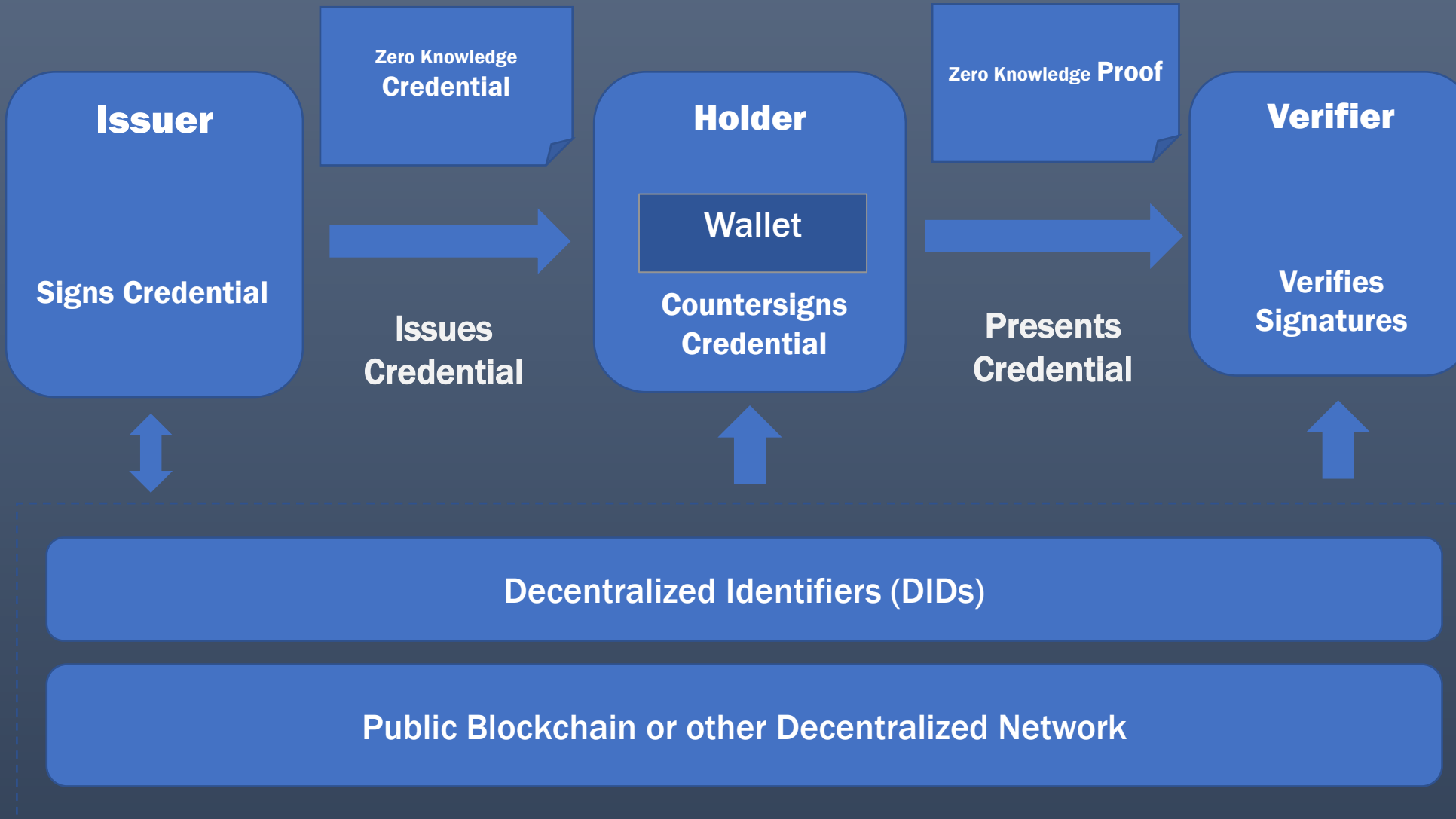
GETTY IMAGES

The UK's coronavirus contact-tracing app is set to use a different model to the one proposed by Apple and Google, despite concerns raised about privacy and performance.

COVID-19 Pandemic

Privacy concerns over Heath App on COVID-19, which purpose is tracking people but drawbacks of revealing sensitive private information to the service providers and the whole system is controlled by centralized services and data storage, which have their own risks of data leakage.

Hyperledger Indy Verifiable Credentials



Why Hyperledger Indy?

- Open Source, under Hyperledger Foundation
- Adopted by big names, such as IBM, CISCO, R3, Governments of British Columbia, Ontario and the UK NHS
- Zero-Knowledge Proof, privacy protection, GDPR compliant

Values of product



PORTABLE CREDENTIALS WITH SELF-
CONTROLLED IDENTITIES

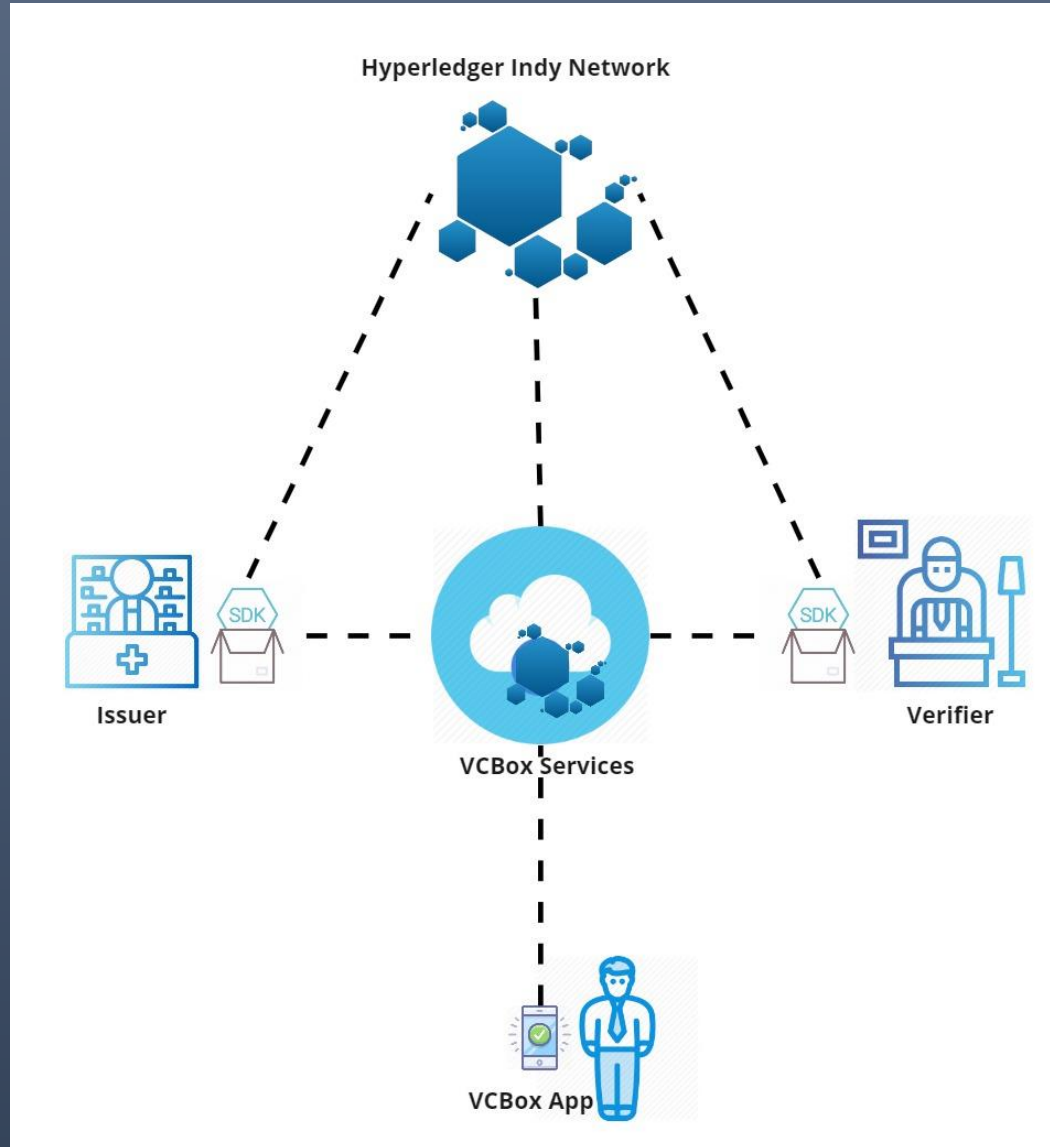


BLOCKCHAIN BASED TAMPER
RESISTANT CRYPTOGRAPHIC
CREDENTIALS



SENSITIVE DATA PROTECTED BY
ZERO-KNOWLEDGE PROOF.

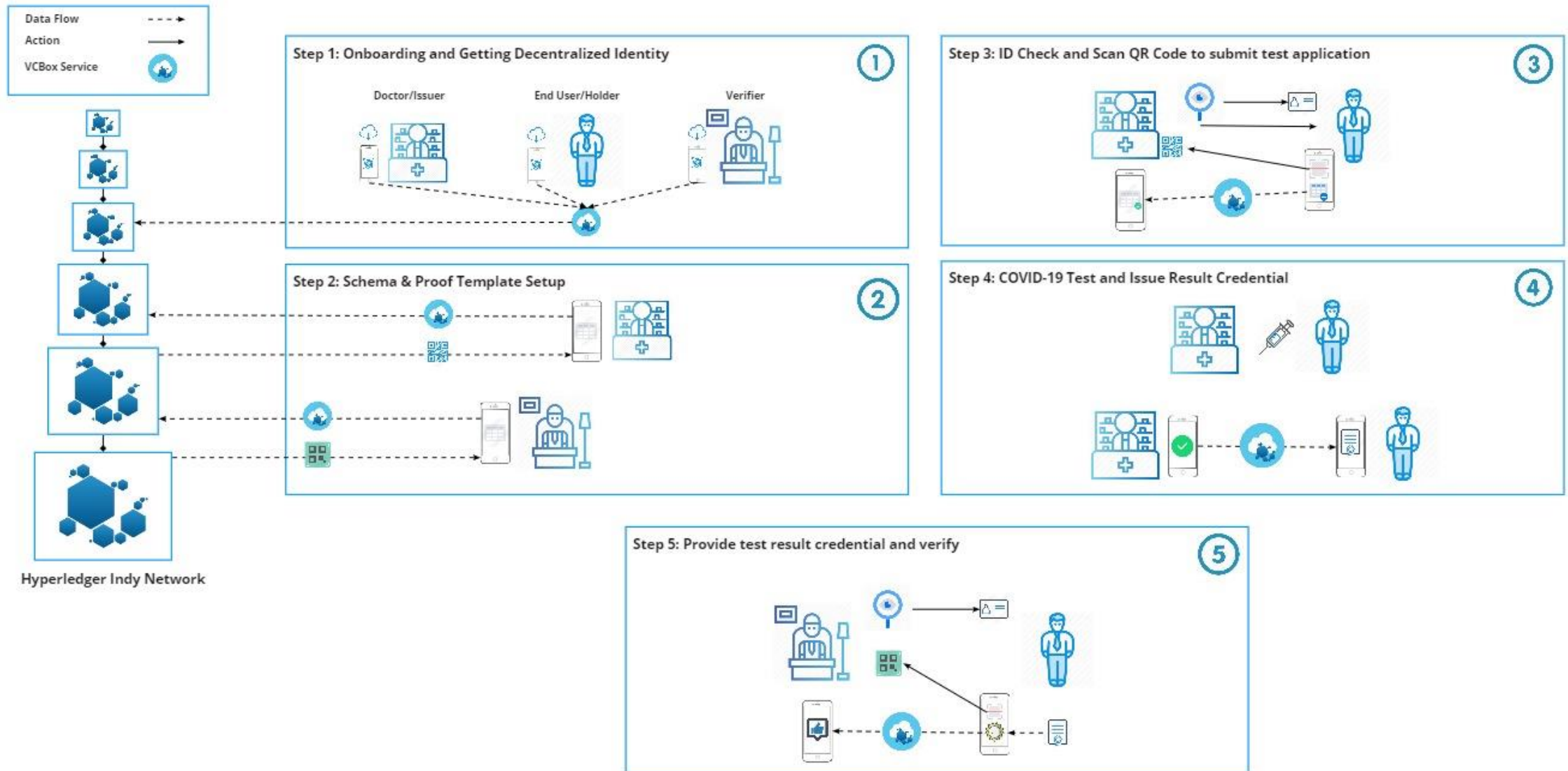
VBox – Verifiable Credential Box



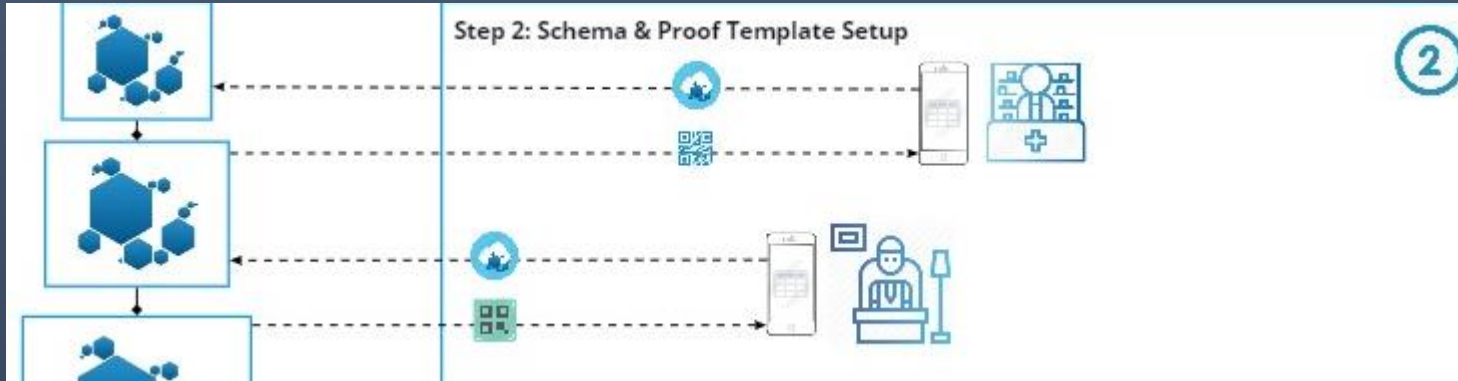
VBox – A
decentrlised
identity
product fits
in !

- VBox Cloud API Services
- VBox SDK
- VBox Mobile App

COVID19 Test Result Verification Scenario Workflow



Screenshot of POC



VCBox Demo Issuer



Credential Definition Template

Issuer DID: EbP4aYNeTHL6q385GuVpRV

Schema ID:

V4SGRU86Z58d6TV7PBUe6f:2:COVID19_TEST:1

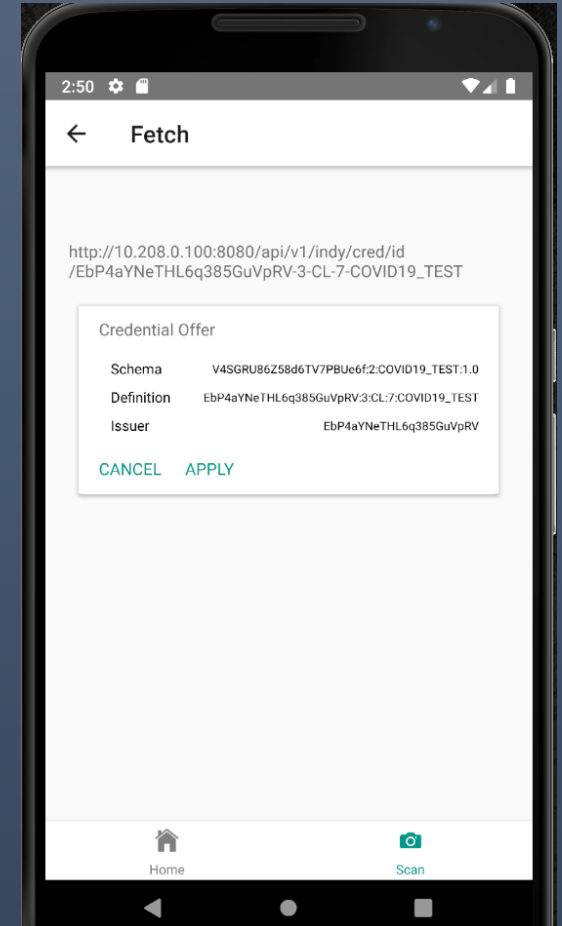
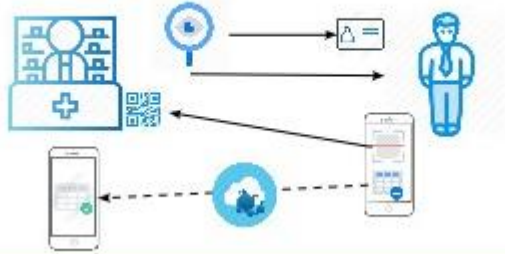
Create

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Screenshot of POC

Step 3: ID Check and Scan QR Code to submit test application

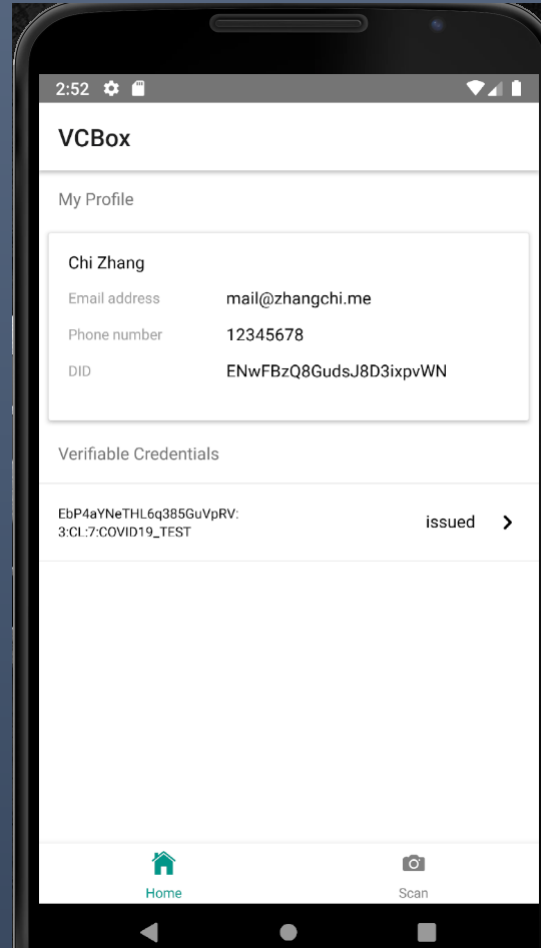
3



Screenshot of POC

Step 4: COVID-19 Test and Issue Result Credential

4



VCBox Demo Issuer



Credential Definition Template

Issuer DID: EbP4aYNeTHL6q385GuVpRV

Schema ID:

V4SGRU86Z58d6TV7PBUe6f:2:COVID19_TEST:1

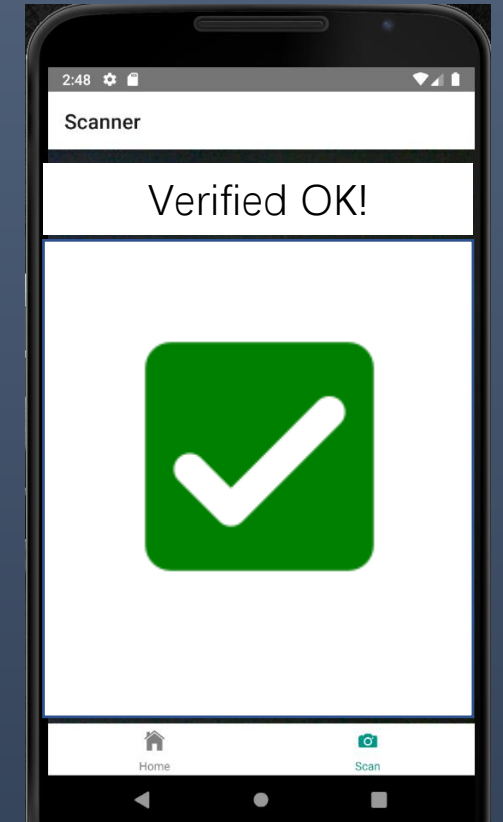
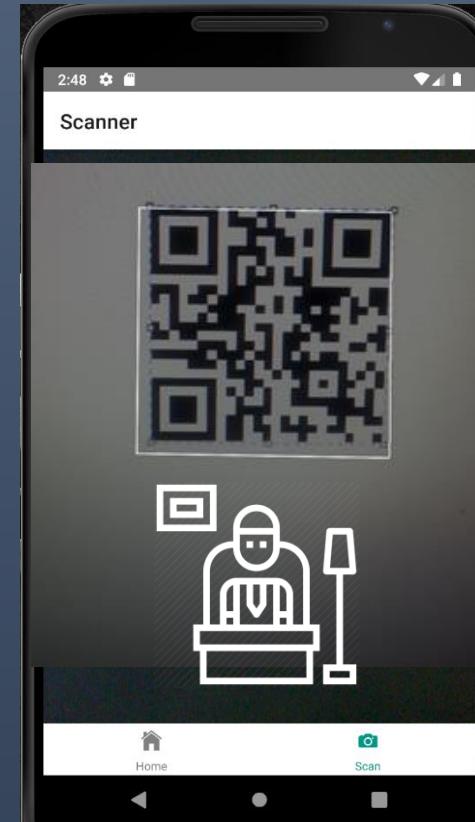
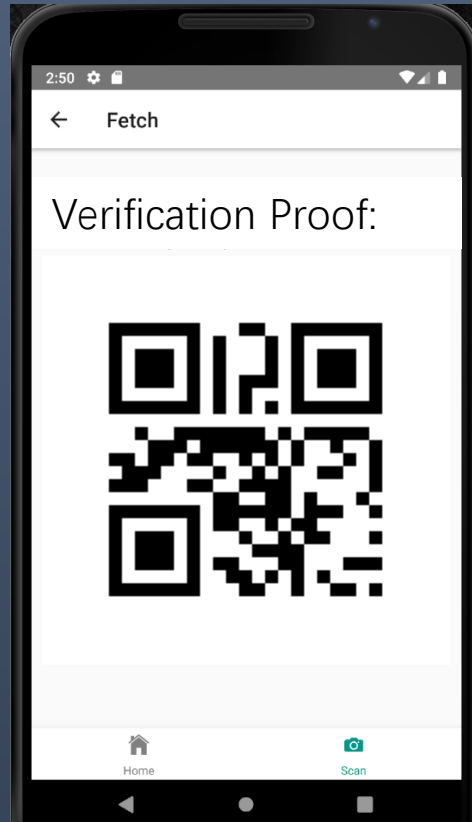
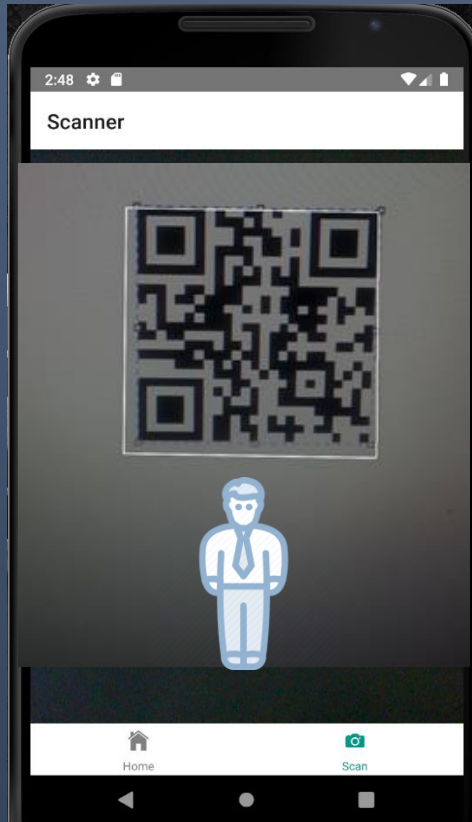
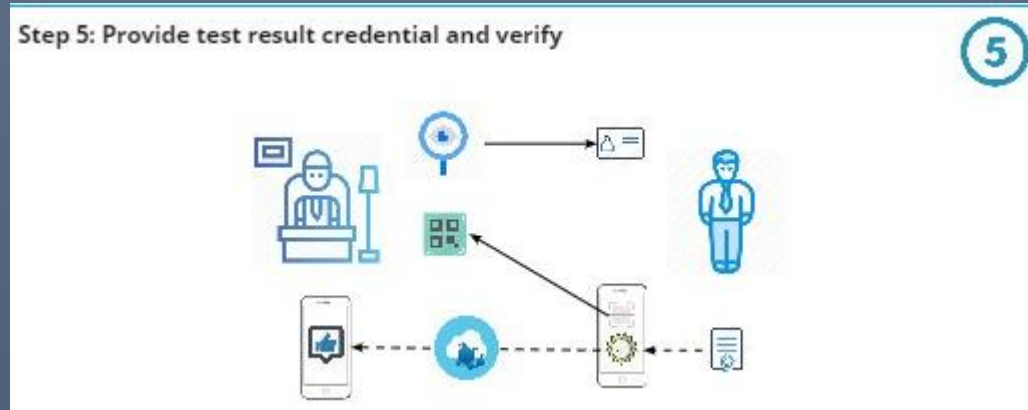
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Applied Requests:

1588834218353

Mock screens



Further outlook

- Entry to premise for delivery
In big cities, the frequent deliverer(eg. Postman, Uber Eats, Grab Food) get into same building can get the credential issued at the first time then show QR Code in next specific time period – saving time and security procedure still managed
- Events/Ticketing
Guests use Decentralised Identity to buy hot event tickets (Issued Credentials) to prevent bulk-purchasing from scalpers
- Club
Patrons use issued the credential to proof age without exposing personal sensitive information(eg. Birthday) to get into bar/club
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