



BHUTAN NATIONAL DIGITAL IDENTITY

updates from Bhutan's SSI implementation

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Swiss E-ID Participation meeting



AGENDA

1. Project overview
2. Use cases
3. Technology considerations
4. Challenges and learning
5. Hints for Switzerland

PROJECT OVERVIEW

Background

- Digital transformation project under the umbrella of Digital Drukyl Flagship Program initiated by the Royal Government of Bhutan.

Vision

- Bhutan NDI accelerates seamless access to government, business, and financial services by building a digital ecosystem rooted in trust.

Mission

- To build identity as the cornerstone of every digital interaction
- To foster a harmonious digital ecosystem for seamless delivery of govt. & business services
- To provide verification and authentication as-a-service for individuals and service providers to meet compliance requirement
- To continuously innovate to meet the demands of an evolving landscape of digital transactions

USE CASES

G2C



- ✓ Housing
- ✓ Land
- ✓ Tax

Finance



- ✓ Compliance with eKYC mandates
- ✓ Account opening
- ✓ SSO to mBOB app

Telecommunication



- ✓ Compliance with eKYC mandates
- ✓ Customer registration
- ✓ Customer info. update & service ownership transfer
- ✓ Password-less login for MyTashiCell app
- ✓ eTeeru registration

Education



- ✓ SSO to RUB portal
- ✓ Check academic credentials
- ✓ Update credentials

DHI (Corporate)



- ✓ Board Management
- ✓ E-recruitment
- ✓ Employee VC

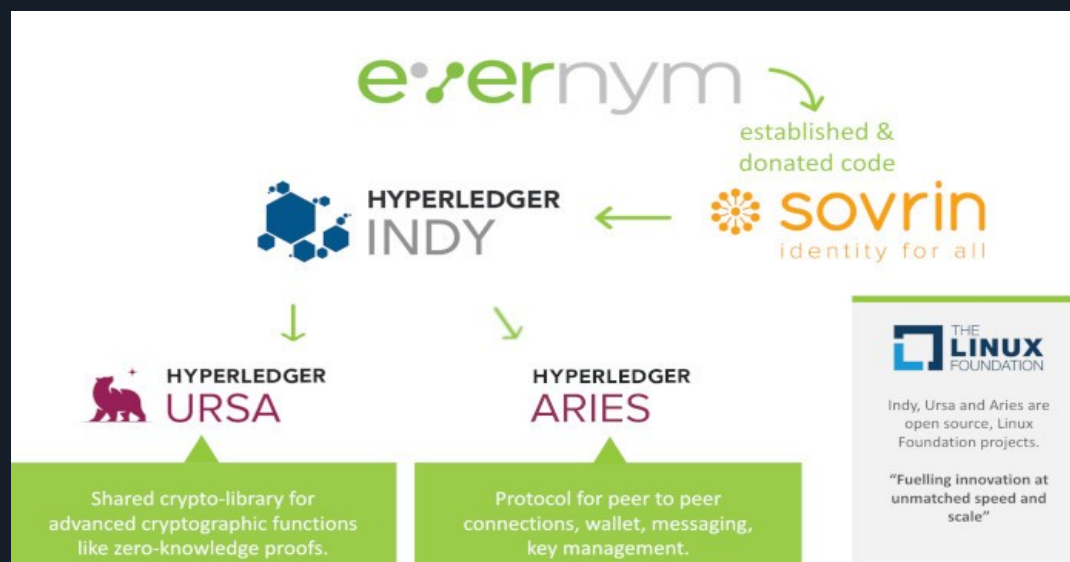
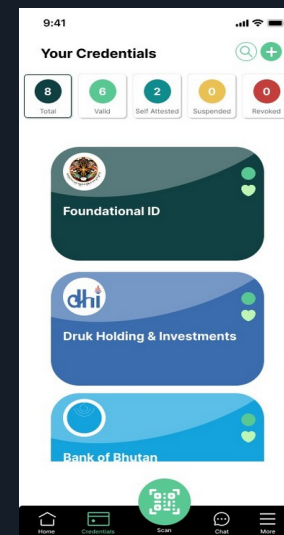
TECHNOLOGY CONSIDERATIONS

Application
Ecosystem

Protocol

Network

Ledger



CHALLENGES & LEARNING

CHALLENGES

- New technology
- New areas of study
- Time constraints (R&D)
- Convincing

LEARNING

- Find right set of resources
- People who care and dare
- Rewards are not immediate
- Understand the culture and identity of people
- Sensitise the product

HINTS FOR

- People over product
 - Compliant to legislation
 - Let people use it like it is “just another app”
- Risk analysis (known & unknown)
 - at technology level
 - in SSI, concept turns into implementation fast
- Convince stakeholders
 - People are used to with decades old technology
 - Technology shock
 - Resistance to change
 - ELI5

Thank You

Any questions?

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