

Homework

1. What is NDID (National Digital ID)?

NDID is National Digital ID Company Limited. It was founded to build a trusted digital identification and data sharing platform named "NDID Platform or NDID" with the cooperation, support, and acceleration of all connected stakeholders in the public and private sectors. The National Digital Infrastructure Division (NDID) aspires to be the country's infrastructural digitization, assisting in the development of new creative services and enterprises in the digital economy.

2. Explain a usecase of NDID

A sample use case I would explain is to assume Mr. Pun wants to open a bank account at bank B through an online platform while he opened bank account A already. Mr. Pun could do it easily by using his information from bank A to open bank account B without going to the onsite place. The NDID is in a mobile application that would let Mr. Pun authenticates himself. So, bank A would share Mr. Pun's information with bank B and other banks later if he opens.

3. What are the main participants of NDID? Briefly explain each of them.

- a. Users** – The applicant users who want to use NDID
- b. Relying Party** – Relies on the NDID platform to provide service to users
- c. Identity Provider** – Holds the identity of the user, and is able to prove the identity of the user
- d. Authoritative Source** – Holds the user's information, such as bank statement
- e. The NDID Platform**
 - i. A decentralized app with nodes running on each RP, IdP, and AS, connecting them together
 - ii. Private information is communicated between nodes securely through ZMQ.
 - iii. Transaction logs are recorded on the blockchain