

BootCamp Moscow



Mobile libraries for HL Iroha

Ruslan Rezin

Soramitsu Labs

iOS Developer

Agenda

- What is HL Iroha?
- Ideas behind iOS client library
- Wallet App Example

Hyperledger Iroha



Simple & Fast

Transaction finality within 1-2 seconds. Hundreds of transaction requests per second.



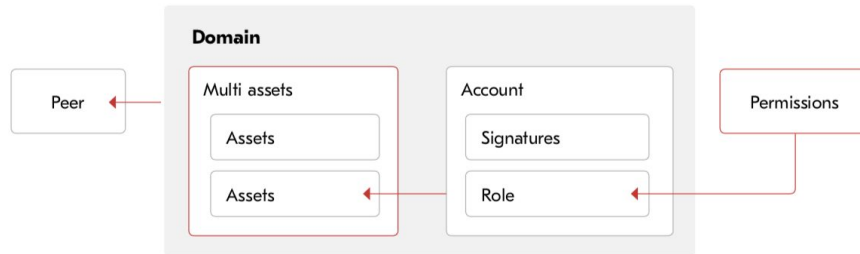
Mobile first

iOS, Android, and JavaScript SDKs are provided to ease development of end-user applications.



Asset Management

Assets such as currencies, points, tickets, securities, registry, identity, SCM can be managed using prepared commands.



HL Iroha For iOS

IrohaCrypto

- **Crypto algorithms**
- **Keypair generation & restore**
- **Signing & Validation**

IrohaCommunication

- **Send transactions and queries**
- **Monitor transactions statuses & blocks**

<COCOPODS>

Communication Design

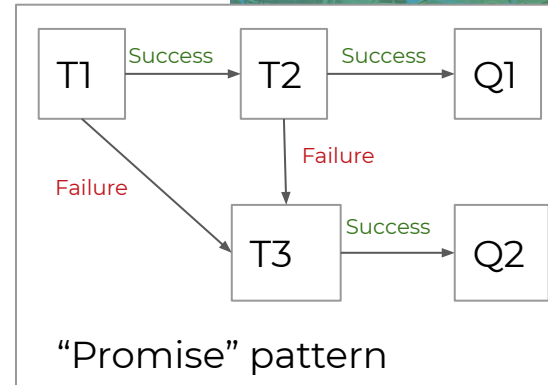


Middleware

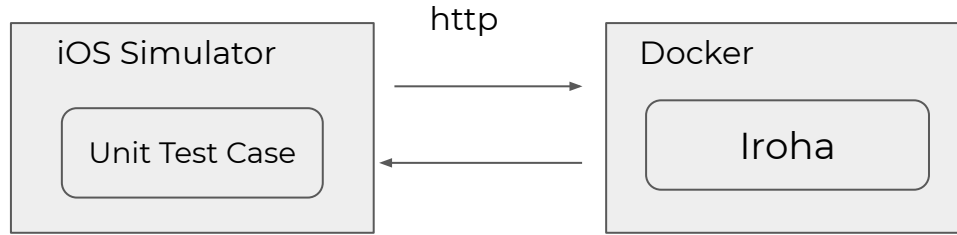
For complex flow
Additional control

Direct Connection

Fast
Secure



Fast Test Cases



References

Library for communication with Iroha:

<https://github.com/hyperledger/iroha-ios>

Cryptographic library for Iroha:

<https://github.com/ERussel/IrohaCrypto>

Wallet app example:

<https://github.com/ERussel/IrohaWallet>