# Blockchain Community Group

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#### **Missions**

- to generate message format standards of Blockchain based on ISO20022
- to generate guidelines for usage of storage including torrent, public blockchain, private blockchain, side chain and CDN
- study and evaluate new technologies related to blockchain

# History

- CG proposal at 8/Mar/2016
  - https://www.w3.org/community/blog/2016/03/08/proposed-group-blockchain-community-group/
- first Workshop at 25/Mar/2016 at Seoul, Korea
  - https://www.w3.org/community/blockchain/workshop-report-at-25mar2016/

# **Participants**

- 53 participants
  - o PayGate, Blocko, Konkuk Univ., ETRI, LG, Walt Disney, Blockstream ...
- Chair : Nick Lee ( <u>nicklee@konkuk.ac.kr</u> )

#### **Activities**

- Web : <a href="https://www.w3.org/community/blockchain/">https://www.w3.org/community/blockchain/</a>
- Mailling List : <u>public-blockchain@w3.org</u>
- Telcon: Every Thursday 11:00 PM KST (07:00 AM EST)
- Issue Tracker : <a href="https://blockchaincg.atlassian.net">https://blockchaincg.atlassian.net</a>

# Issues / Reports / Deliverables

- message format
- data flow
- ISO20022
- storages (public/private/side chains, torrent, CDN..)
- identity/authentication/authorization
- networks
- use cases
- selected proposals
  - blockchain authenticators
    - https://www.w3.org/2016/04/blockchain-workshop/interest/blocko.html
  - centrality of blockchain

### FIDO UAF

#### FIDO USER DEVICE **RELYING PARTY** BROWSER/APP **WEB SERVER** TLS Server Key FIDO CLIENT FIDO SERVER UPDATE FIDO FIDO AUTHENTICATOR Cryptographic **Authenticator** Authentication Metadata Public 8 Attestation Keys DB Trust Store Authentication Attestation Private Keys Private Keys

#### Blockchain Wallet as Authenticators

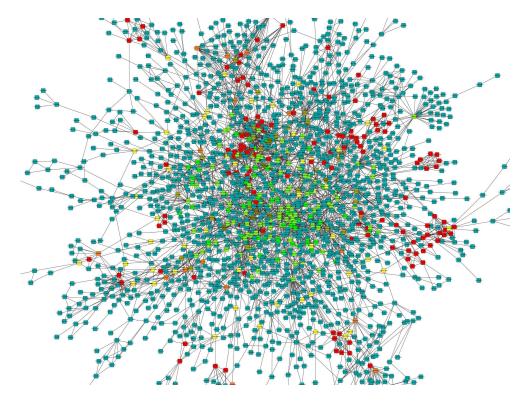
**USER DEVICE** 

**USER AGENTS** WEB SERVICE (WEB BROWSER) **ECC Server Key WALLET CLIENTS BLOCKCHAIN** Custom URL/Intent API **WALLETS** Ledger Identities **ECC Client Keys** 

**RELYING PARTY** 

# Centrality of Blockchain

- measuring centrality of blockchain addresses by using
  - transactions as relationship
     line
- three important elements
  - size of amount
  - level of verification
  - measured centrality of address



# Missings/Remainings

- update mission
- charter
- co-chairs
- more contribution
- F2F meeting at TPAC 2016,