HashNET - Covid19 Pass
Blockchain solution helping overcome disruptions
About Us

HashNET – Blockchain 4.0

Next generation Distributed Ledger Technology with support of up to 100,000 transactions per second
Problem

- Serious disruption of social and business processes, caused by COVID-19 outbreak
- Lack of digital tools that can speed up the process and provide required security level
- Lack of system interoperability between involved parties
Solution - C-19 Pass

- **Digital Pass** valid for 14 days

- Shows that holder tested negative for the virus and can commute and visit C19-CNV certified venues

- C19-CNV certificate – issued for venues where all employees and suppliers tested negative and valid for 14 days
Solution Components

- **C-19 Pass** – Digital Pass valid for 14 days
- **C-19 Pass Owner** – Someone who wants to visit C19CNV venues
- **C19-CNVC venues** – business and government services (hotels, airlines and airports, restaurants, shops, offices, sports venues, etc).
- **Credential Provider(s)** – Certification bodies such as licensed public and private testing centers
- **Credential Medium(s)** – Smartphone app with QR codes and scanner at C19CNV venues
Step by Step Process

1. Process starts with downloading mobile app and checking nearest Credential Provider for COVID-19 testing.
2. Person gets tested for COVID-19, and results are uploaded on HashNET DLT.
3. National Health Organization/Government receives the information on testing.
4. C19-CNV venues get certification by testing all the employees and are uploaded to HashNET DLT.
5. C-19 Pass is checked on demand using mobile app and QR code and every event is uploaded to HashNET DLT.
6. C-19 Pass holder can commute and spend time at C19-CNV venues using mobile app.
Blockchain Network

HashNET blockchain network is used to:

• Provide an immutable context for the data being saved
• Leveraging smart contracts ensure that role & access distribution is a transparent, safe & secure
• Enable high frequency of data being shared and stored.
HashNET

A Transaction SuperHighway:

• Scalable – 100,000 Transactions per second
• 100% secure – based on Proof-of-Stake consensus and masternodes
• Fast – does not require miners to create a chain of blocks in order to record transactions – recording occurs as soon as transaction takes place
Security

- Data tempering – power of blockchain
- Data security – use of Smart Contract for data access on need-to-know basis
- Network security – use of layered distributed ledgers interconnected together for data integrity
Privacy

- Use of public and private keys
- Public network used by mobile app is fully anonymized
- C-19 Pass holders giving consent for personal data usage (KYC) at certified centers during testing
- Layered distributed ledgers approach
Thank You!

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