



CanaPass



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About Us:

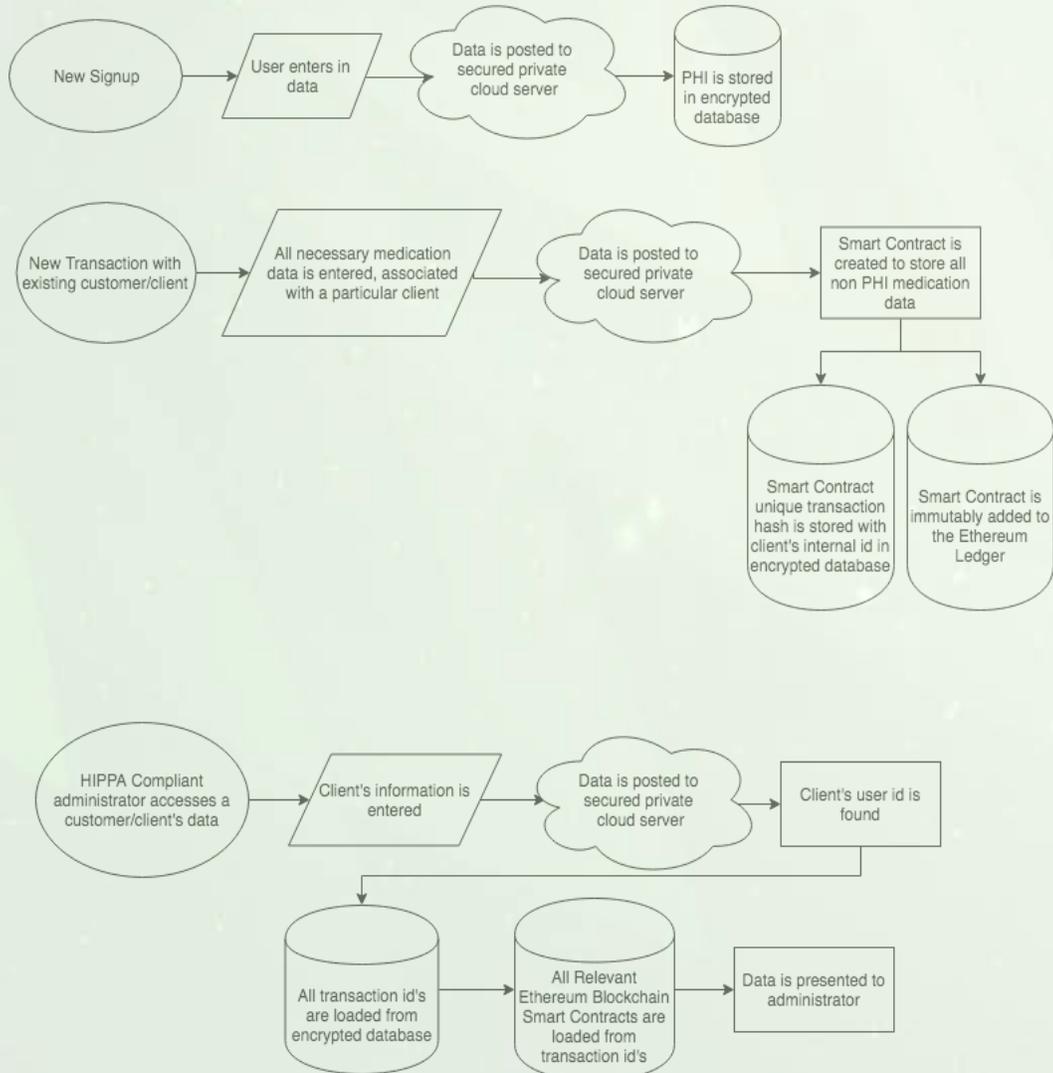
Canapass is a closed-source cannabis-driven healthcare platform which will utilize a private Ethereum blockchain network to centrally store medical records for medical cannabis patients, doctors, and licensed providers in Canada.

Why Blockchain for Medical Records?

Other traditional database technologies require regular and manual audits of data to ensure that PHI is not compromised or has been maliciously altered. By using blockchain technology we ensure that every addition, change, or deletion is compiled into an indexed history where we can validate and secure what happened with the patient's data, why, when, and by whom.

Blockchain storage allows us to efficiently store sensitive patient information in a way that is both secure and transparent at the same time.

CanaPass Blockchain System



Transparency

Audits of medical records and patient records are often long manual processes which involve several people. It is impossible to rebuild a blockchain without the information of each transaction. In a nutshell: all PHI data becomes tamper-proof, even if a hacker was able to gain access to a user's keys and the system itself they would be unable to change previous transactions to the data.

Security

By using a private blockchain network, all sensitive patient data storage not only meets but exceeds HIPAA requirements. The sensitive patient data is stored in a "wallet" or "account" (they mean the same thing to us programmers) on the blockchain and each account has its own private key which can be used to retrieve and decrypt patient data on the blockchain. Wallets are identified by random hashes which are generated by our private blockchain network. Canapass stores an encrypted copy of the key in a private database which then can be used to communicate with the private blockchain to fetch and present records to required parties. Only the hash value of sensitive data is stored in the blockchain and it can only be decrypted with the private key of that account.

Reliability

We use decentralized, cloud-based, storage to ensure maximum reliability. In order to prevent data loss, we make regular backups of our data and verify the integrity of the data on said backups.

