

Topic

D-Share – A place where you can share your Information

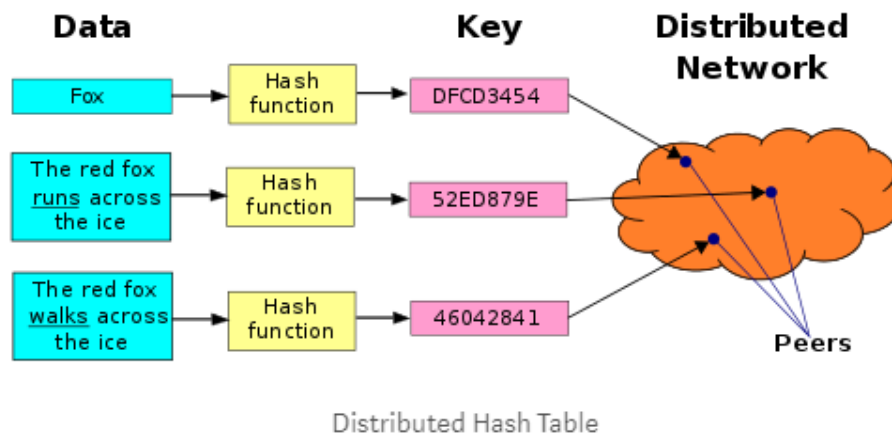
As the name says the work is the same it is the platform where the person can share his information, you can say a starting version of linkedin. So what's different in this? The difference is that one is centralized platform but this is the decentralized and distributed versions of it.

The tools and technologies which we will be using in this project are:

- **Ethereum:** Ethereum is an open software platform based on blockchain technology that enables developers to build and deploy decentralized applications. Like Bitcoin, Ethereum is a distributed public blockchain network. Although there are some significant technical differences between the two, the most important distinction to note is that Bitcoin and Ethereum differ substantially in purpose and capability. Bitcoin offers one particular application of blockchain technology, a peer to peer electronic cash system that enables online Bitcoin payments. While the Bitcoin blockchain is used to track ownership of digital currency (bitcoins), the Ethereum blockchain focuses on running the programming code of any decentralized application.

In the Ethereum blockchain, instead of mining for bitcoin, miners work to earn Ether, a type of crypto token that fuels the network. Beyond a tradeable cryptocurrency, Ether is also used by application developers to pay for transaction fees and services on the Ethereum network.

- **IPFS:** It stands for Interplanetary File System. At its core it is a versioned file system which can store files and track versions over time, very much like Git. It also defines how files move across a network, making it a distributed file system, much like BitTorrent. To store data, IPFS uses a Distributed Hash Table, or DHT. Once we have a hash, we ask the peer network who has the content located at that hash and we download the content directly from the node that has the data I want. Data is transferred between the nodes in the network using mechanisms similar to BitTorrent. A user looking for some content on the IPFS web finds neighbors who have access to that content. They then download small bits of the content from those neighbors. On top of the DHT and the BitTorrent protocols, IPFS uses a Merkle Tree.



IPFS connects all these different blockchains in a way that's similar to how the web connects all these websites together. The same way that you can drop a link on one page that links to another page, you can drop a link in ethereum [for example] that links to zcash and IPFS can resolve all of that.

So D-Share will be a profile sharing platform where everyone can view your profile and the data for your profile is distributed and all the information is decentralized means no one will ever have control of your data.

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