DECENTRALIZATION

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We hear a new technology emerging every day. Each day, we run into a lot of technology related issues. We ask ourselves what the new technologies will bring. The answer to all these questions is decentralization. I believe everyone will remember the data collection incident of Cambridge Analitica happened last week and still in effect. Let's look at the incident from another angle. Facebook, Twitter, LinkedIn, YouTube, Google and even Apple of Tim Cook, who had a spat with Mark over press about the incident… All these companies have a database surrounded by a software as a structure. This structure is the one which became common with databases appeared in technology stand. The most important reason of this structure is the need of using the resources in the most effective way. If all data is in one place, storage, access, index and reaching the results will be easy. This structure belongs to a world before internet.

The Internet is a military project designed the networked computers' unable to make connections. The goal is to keep the damage to minimum by making configuration on a Spiderweb like structure to keep potential damages to computers from outer world minimum. In the pre-internet period, connections were very important due to a straight, worm like network structure were used. In this period, if two computers in the middle of the network are disconnected from the network, two different networks are formed; for this reason, the structure of the network was disrupted. In order to solve this problem, the solution network in the military sense was made in the network as form of network (web).

Although this seemed like a technical solution at first, it was the beginning of an idea that would change the world's upcoming 30-40 years. The fact that structures don't have a center strengthen that structure. In later periods, we see that all the network technologies on the internet have put into practice in different forms. Some events have even

accelerated the adoption of this idea. The best example of this is Clinton's sex scandal, I think. Those who remember this period will understand what I'm talking about when I say cigar, oval office

and Monica Lewinsky. The conversation between Clinton and Lewinsky revealed in the case file then fell into Press' hands. Without knowing that a very small text file of 100 KB would be a breaking point in the history of the World of the Internet, the CNN Informatics Department put the text file on web servers so that people could download it. It was not possible to reach CNN's servers that day and the next few days. When millions of people wanted to get the file from the servers at the same time, the servers became unresponsive. This was the collapse of centralized web servers. Afterwards, the CNN Informatics Team separated the servers from each other to never be merged again and transferred such content to the CDN (Content Delivery Network). CDNs are also one of the best examples of a content reaching with a decentralized structure. As a matter of fact, in the last period when world says "Bitcoin", experts such as İsmail Hakkı Polat says "blockchain", that's why. Blockchain brings decentralized security instead of a centralized authentication. This will cause security to change from the root in all areas, especially on the Internet. I do not know if it is a correct narration, but after the blockchain technology on the internet, we will change to a structure that can instantly identify the fraudsters in an instant, instead of thousands waiting for control of their identity in front of a door and on a queue. In fact, one of the issues that bothered CPU time in Bitcoin is the delay in the system of giving the task of validation to a structure which is always accustomed to revealing the identity. We will see that it also changes in other sub-coins. My suggestion to those who are interested in the philosophy instead of its technology, I can give example of Russian diplomats' deport in many countries around the world. If something like this happened 20 to 30 years ago, it would be the justification for the new world war. But now everyone is reacted with a smile. Because now, you do not have to be close to the center to establish a diplomatic link with a country. In fact, it is not clear what is the center of what in this world. I would like to say that the most influential idea of the next decade will be decentralization.

This architecture will change the way we all do business, manage and even learn and communicate. We've already begun to see how it changed the payment options, do not you?