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Metaverse

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The metaverse is a wireless virtual network of multiple worlds that are socially connected. The metaverse is a truly digitized universe that gives every person the right to feel absolutely free, to visit any social structure, to participate in the formation of a virtual economy. The Metaverse consist of many technologies, and directions, but the most widespread is a virtual reality, that can be described as virtual world, that continue to exist even when you're not online. Such virtual worlds will combine aspects of physical worlds, economics and market relations. For example, many games look like the Metaverse. Fortnite has turned into a platform where people come to chat with friends and relax instead of social networks. Also in 2020 Travis Scott held a concert inside the game, where he gathered 12 million people together, Disney premiered an excerpt from the ninth episode of "Star Wars". Talking about the Metaverse development, in July 2021, Meta CEO Mark Zuckerberg announced plans to develop his own Metaverse. It will be a full-fledged virtual world for work, entertainment and communication, in which users will be able to feel each other's physical presence. Also, in the spring of 2021, Microsoft introduced the reality technology Microsoft Mesh. Here, users will be able to communicate with each other and three-dimensional digital objects through their virtual avatars. But, the emergence of the Metaverse may be due to the emergence of eight main directions in technology: hardware, network, calculations, virtual platforms, tools, payments,

content, user behavior. Most likely, the NFt will become the main cell of the economy in the world of the metaverse. NFT, using the function to form original tokens and transparency of transactions in the blockchain, seems to be a wonderful tool for registering ownership of an instance. Currently, data about the owner is located in the metadata of the token, and in order to understand who is the owner of this token, you need to register on a specialized website and type in the metadata you need. For people engaged in entrepreneurial activity, monetization of the services provided is one of the key points and the NFT helps in this matter. For example, if you are the owner of a private educational institution, you can issue your own token with which you can attend your classes. NFT is done using smart contracts. A smart contract is an algorithm that makes it possible to reliably make transactions on the network. it works like this: when a pre-submitted condition is activated, a smart contract online commits a certain agreement between the two parties, so you will not be able to get the service without paying for it, it works the same way in the opposite direction, you will not be able to exit the data transfer algorithm with money, but without providing your services. In order to start working with a smart contract, it is enough to purchase an NFT token. The main merit of this algorithm lies in its security, the blockchain has excellent security parameters, the fact is that the encryption of the nft token occurs using cryptographic algorithms for verifying the transaction, decentralization and hashing when creating new blocks. All token data is stored in the Interplanetary File System (IPSF), a peer-to-peer file storage system. All logins, passwords and other metadata indicators cannot be fraudulently changed from the outside, because the blockchain remembers all the actions performed on the newly acquired token.