**What is StarkNet?**

StarkNet, which uses the Cairo language, was created by the company StarkWare. Universal Rollup, which removes the separate Rollup (ASIC) system for each application like StarkEx and gathers and activates all applications in one place, is referred to as StarkNet. Rollup aims to ensure that fewer transactions are made on the main network by performing transactions outside the main network.

Working as a layer-2 network on the Ethereum network, StarkNet enables a dApp to achieve unlimited scale for its needs. It does this thanks to its trust in StarkNet's safest and most scalable cryptographic proof system. Additionally, StarkNet is a decentralized ZK-Rollup solution. By using underlying compression technology, it aims to improve the throughput and security properties of Ethereum layer-1.

Lowest gas fees and unlimited scalability are the key benefits provided by StarkWare. Additionally, StarkNet supports public computing over ethereum. It is a decentralized, permissionless and censorship-resistant zero-knowledge collection. (ZK-Collection)

**What are the Advantages of StarkNet?**

Among the advantages of StarkNet, one of the Ethereum scalability solutions;

In terms of network fees, StarkNet states that it has excellent scalability, including low or even zero cost transactions for users.

StarkNet's proprietary rights are the same as Ethereum, and the risk of infringement is less than other solutions.

StarkNet is a decentralized ZK-Rollup solution. Ethereum uses basic compression to improve its first layer features.

Additionally, its key benefits include lowest gas fees and unlimited scaling potential.

**How Does StarkNet Work?**

StarkNet is based on the Cario language and is a ZK-Rollup solution that supports public computing over Ethereum. It aims to improve the production and security features of the Ethereum first hash. Working as a layer-2 network, StarkNet is a decentralized scaling solution. In the scaling solution; There are three main network actors: Developers, Users, and StarkNet nodes.

Developers can create dApps and distribute them on StarkNet. Users can send transactions to StarkNet for execution, just like in Ethereum. StarkNet Nodes are crypto-economically incentivized for the efficient and fair operation of the network.

All StarkNet transactions are grouped periodically. Proofs their validity to be verified on Ethereum with STARK proof. StarkNet has the potential to scale Ethereum. This is because the computational power required to verify STARK proofs is smaller than that of proven computation.

All StarkNet state changes are STARK proof. For this reason, only valid ones are accepted in Ethereum. All data is broadcast on-chain to reconstruct the StarkNet state. Anyone can run their own StarkNet node. Intended to achieve the same security and unauthorized features exhibited by Ethereum