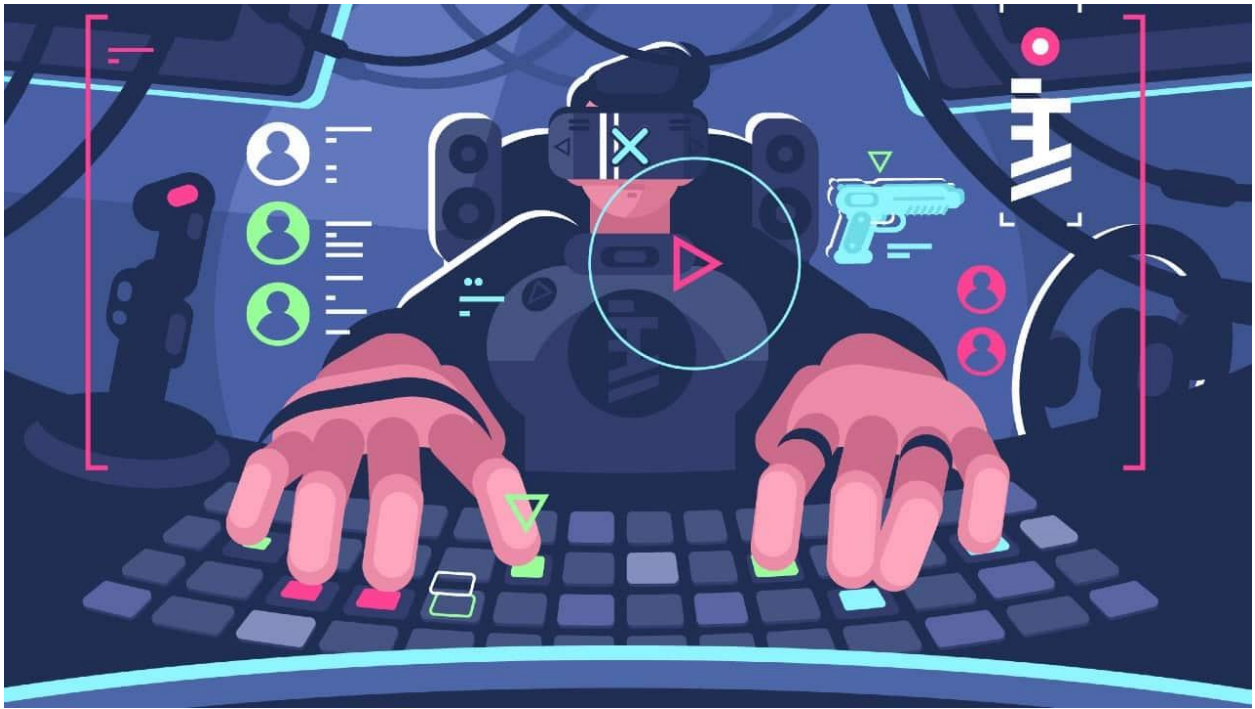




BEST USE OF TEZOS BLOCK CHAIN IN GAMING

ABSTRACT- In today's world there are so many gamers and games all around the world from Fortnite to Minecraft and a lot more the concept of combining the **blockchain** and **gaming** can lead to great outcomes like use of block chain in app-purchases ,in security etc. in this white paper I'm going to tell the uses of **Tezos** block chain in gaming world.



=> WHAT IS THE PROBLEM IN GAMING?

There are many fraud and duplication of items going on in the gaming world reducing the confidence of the players from the game lets say someone bought in game item that worth 10\$ but the thing is others can buy that same item to reducing the value of it but if we use block chain the item can be made as nfts which are non-fungible means can't be duplicated making the increasing the confidence of the players. Then there is the problem in security of the games no matter how good the security of the game is it still can be hacked but if its on block chain it is almost immutable these are one of many problems that gamers and gaming world facing nowadays.



=> WHAT IS TEZOS BLOCKCHAIN?

“Tezos is an open-source platform for assets and applications that can evolve by upgrading itself. Stakeholders govern upgrades to the core protocol, including upgrades to the amendment process itself”

SELF AMENDMENT

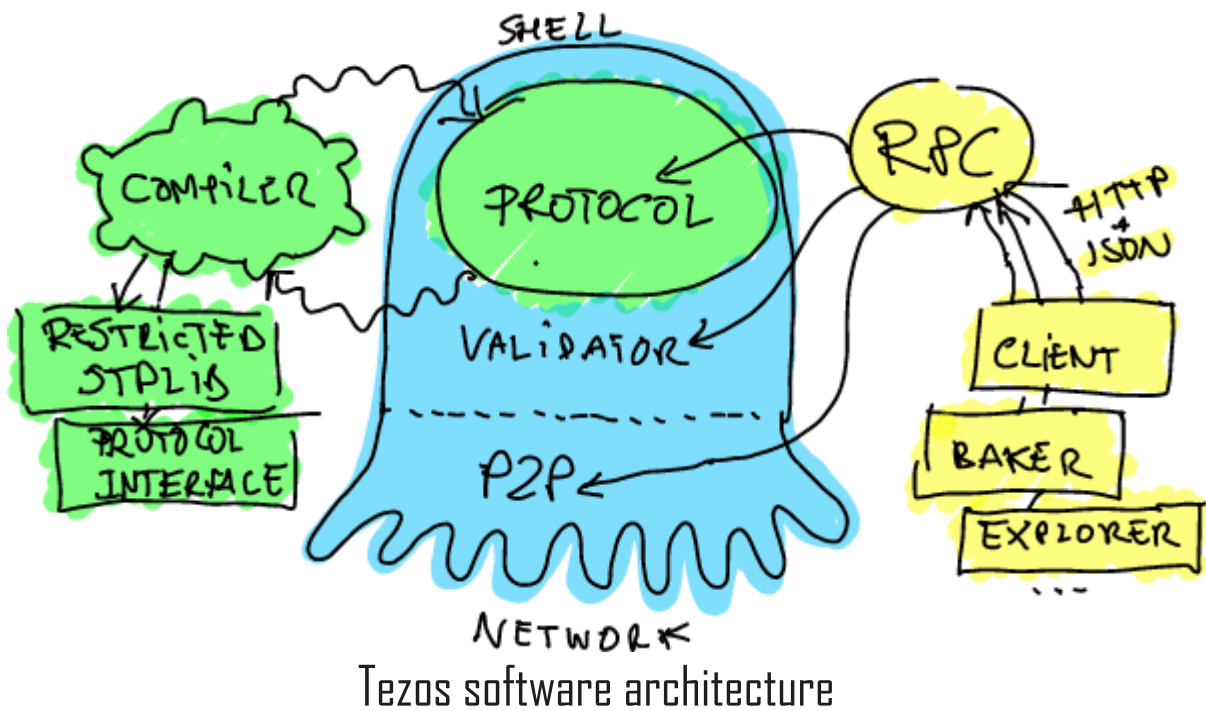
Self-amendment allows Tezos to upgrade itself without having to split (“fork”) the network into two different blockchains. Because of self-amendment, coordination and execution costs for protocol upgrades are reduced and future innovations can be seamlessly implemented.

SMART CONTRACTS

Tezos offers a platform to create smart contracts and build decentralized applications that cannot be censored or shut-down by third parties.

PROOF-OF-STAKE(POS)

Participants (“nodes”) in decentralized, peer-to-peer networks provide the necessary computational resources that keep a network up and running.



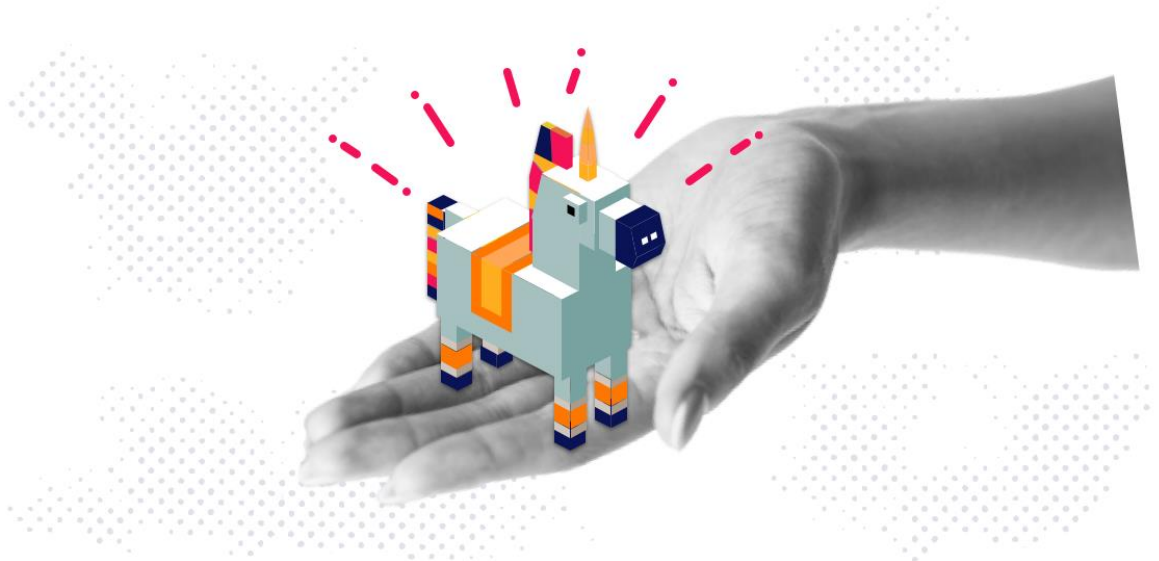
=> WHAT IS THE BEST USE TEZOS BLOCKCHAIN IN GAMING?

Tezos has the SDKs that can help developers to discover future of WEB3 here are the uses of it:-

1. **Connect to a Tezos wallet** – Using the wallet-pairing feature of the SDK, you can allow users to authenticate using their Tezos blockchain credentials. Users can securely authenticate themselves in a game, sign blockchain transactions, gain access to all on-chain assets, and use cryptocurrency to purchase services, features, or in-game assets.
2. **Utilize data on the blockchain** – The SDK enables game developers to capture data on the Tezos blockchain, such as checking which features of the game or in-game assets the user owns. Importantly, users can manage the storage of their assets via smart contracts or call off-chain views, creating access to any data stored in the blockchain.
3. **Call smart contracts** – Games will be able to generate calls to Tezos smart contracts, to be signed by the user– opening the limitless

possibilities of smart contracts on Tezos. From simple transactions such as purchasing extra features using cryptocurrency, to generating in-game assets based on achievements, this feature will allow users to trade on public marketplaces, transfer in-game assets, or participate in multi-game challenges.

4. **True ownership of in-game assets** – Through the SDK, users will be able to own and easily verify the authenticity of the in-game assets via the Tezos blockchain. Signing data through smart contracts enables games to prompt users to verify the authenticity of data signed by other users.
5. It allows gamers to make revenue by Play-to-earn as well as Pay-to-Earn models using NFTs (non-fungible tokens).



The Tezos SDK supports Desktop, Android, iOS and browsers. Beyond allowing game developers to interact with the Tezos blockchain, this SDK is a helpful resource for developing any Tezos decentralized application (dApp).

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