



Building with Hedera and EVM Tools for Success in a Multi-Chain Landscape

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/ed-marquez

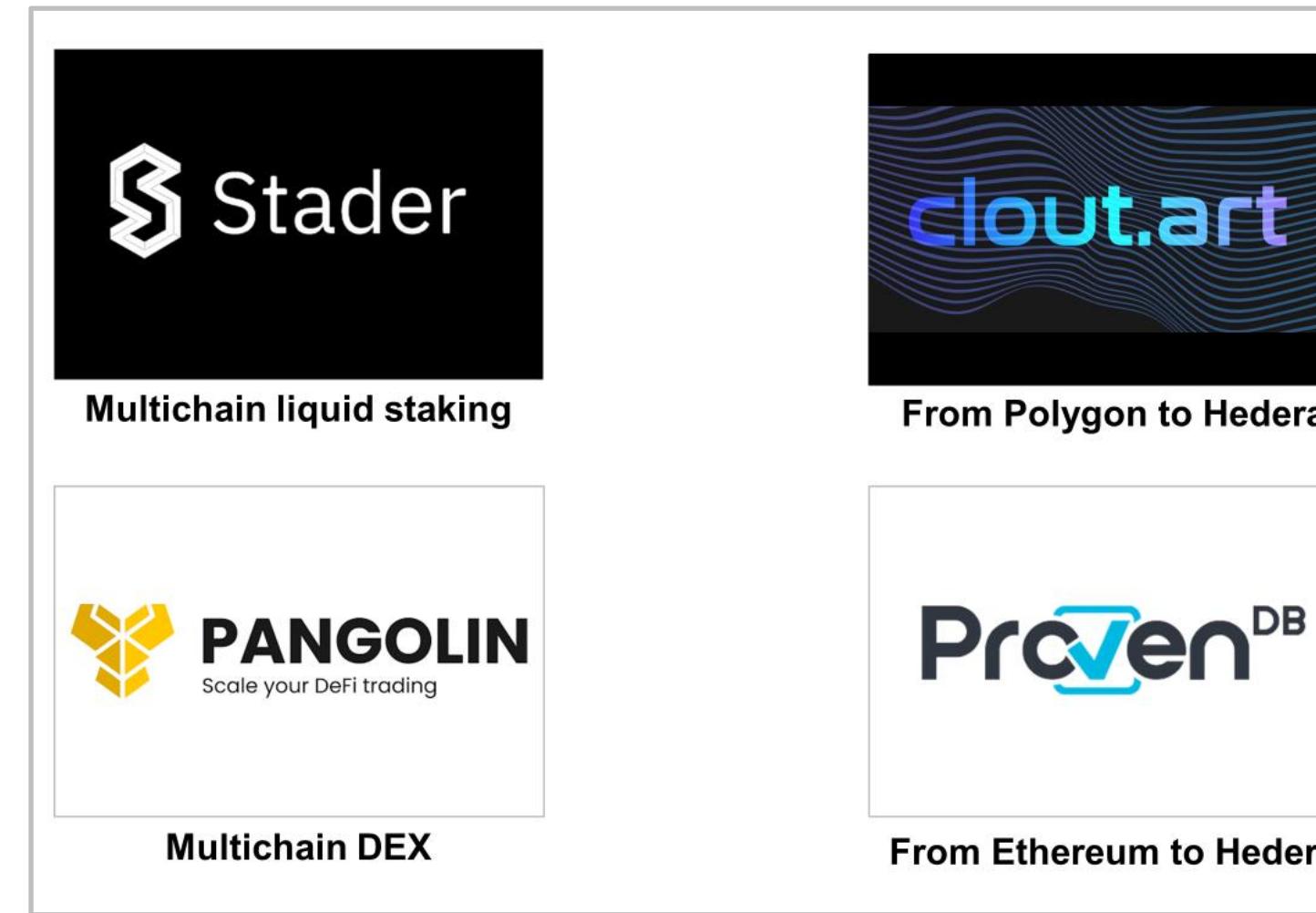


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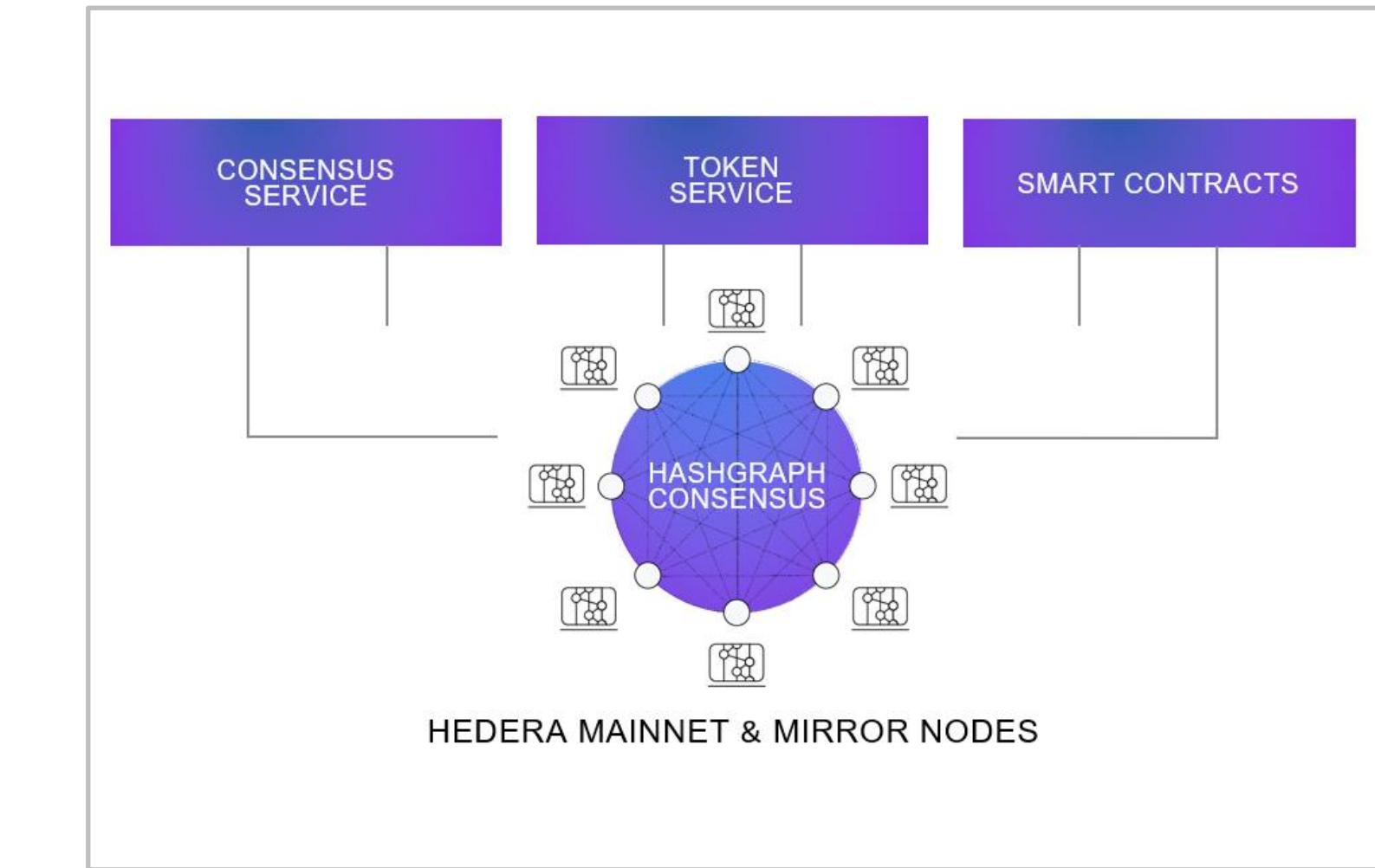
In this session, you will learn about the choices devs face in a multi-chain world & how teams are using Hedera as the answer



Choices & options in a multi-chain world



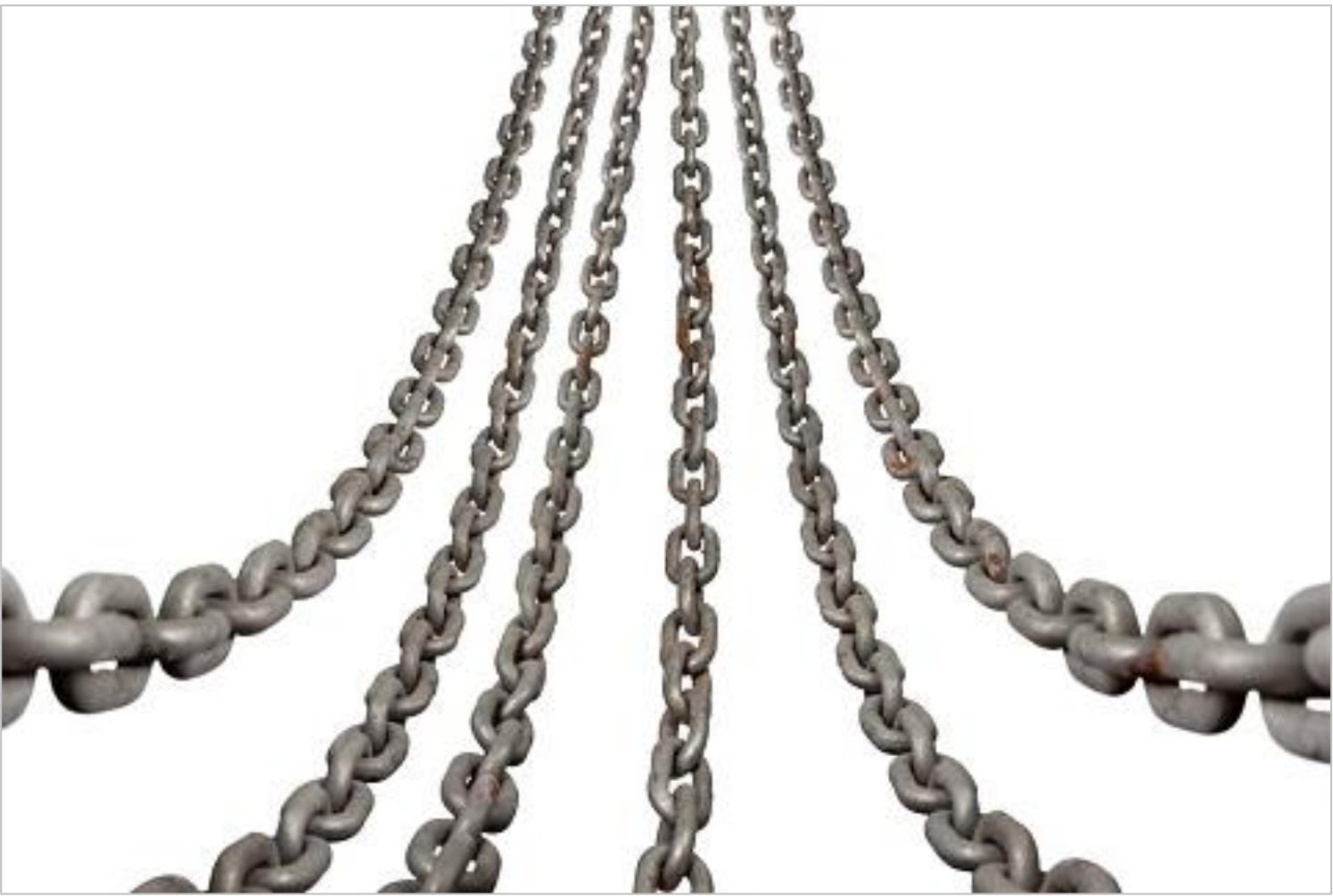
What other teams out there are doing



About Hedera & conclusions

Problem 1: Building cross-chain applications requires choosing and prioritizing additional networks to deploy on

Cross-chain applications

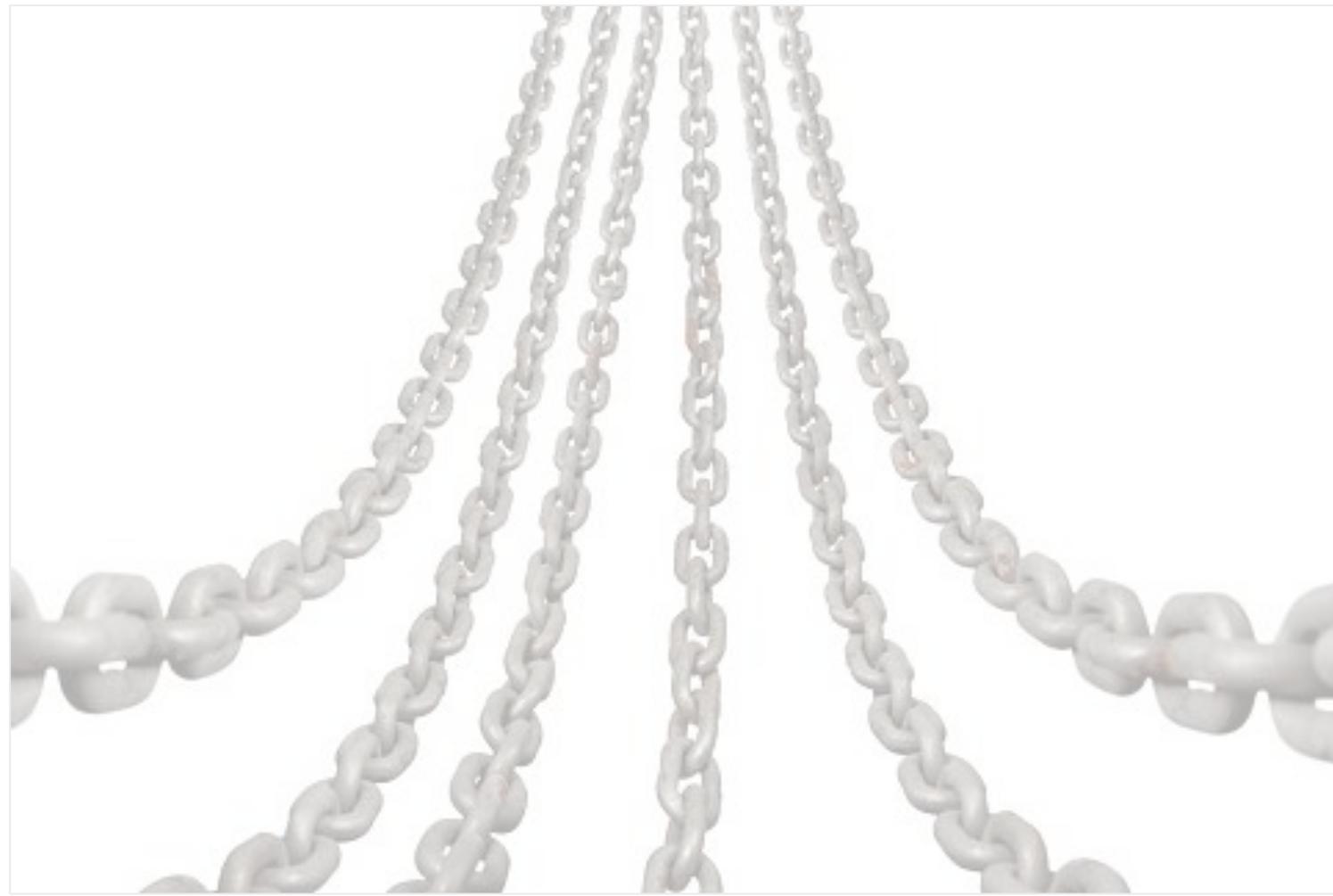


Devs must consider:
Interoperability, user experience, business model,
network effects, reputation/brand impact

**How do you prioritize networks to deploy on?
Are you considering the right things?**

Problem 2: Migrating applications to a different network is a complex decision that requires careful consideration

Cross-chain applications



Devs must consider:
Interoperability, user experience, business model,
network effects, reputation/brand impact

How do you prioritize networks to deploy on?
Are you considering the right things?

Migrate to a new chain



Due to technical reasons, ecosystem, or governance
Having so many options is both a blessing and a curse

How do you decide on the best option to meet your
application requirements?

A challenging landscape for decision-making

Layer 2 Options

Rollups

Payment Channels

State Channels

Child Chains
(Plasma)

Shards

Side Chains

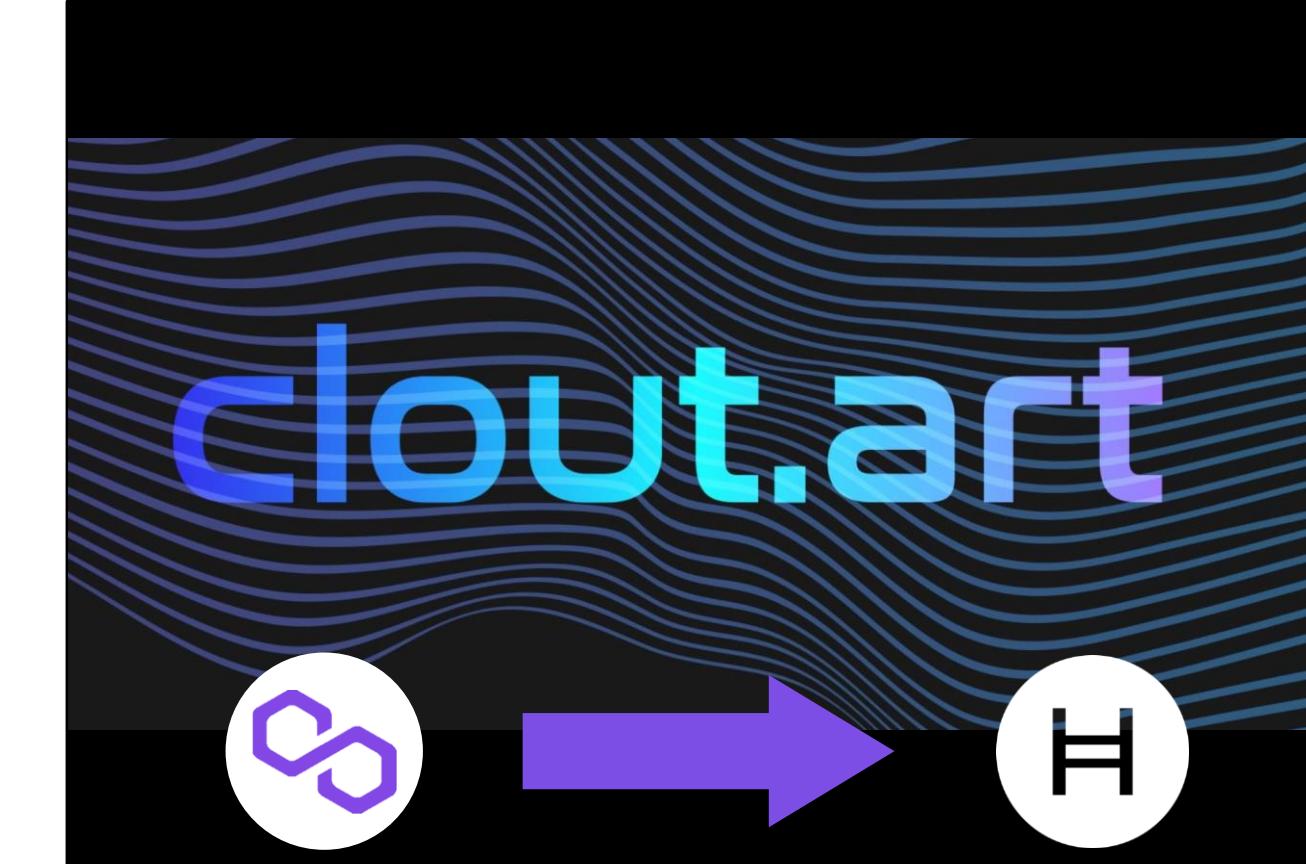
Layer 1 Options



Web 3 teams facing these same decisions are choosing Hedera to expand their horizons



Multichain liquid staking



NFT + social media content



Multichain DEX



Data integrity solution

Web 3 teams facing these same decisions are choosing Hedera to expand their horizons

CoinDesk
Rare Sneaker App Switches From Ethereum to Hedera to Skip Blockchain Fees
Ian Allison
February 3, 2021 · 2 min read

hashport
Jul 21, 2022 · 7 min read · Listen

hashport: How Fungible Tokens get ported across Hedera, Ethereum, & Polygon

GAMEREACTOR ❤️
GAMING GEAR ENTERTAINMENT

English

Follow us

Khosmium switches from Solana to Hedera to improve its performance and Fun-to-Play system

The decentralised public network is a greener alternative to enjoy the performance of an AAA with P2E NFT.

THE HBAR FOUNDATION

Porini foundation

Partnership Announcements 3 minutes

Porini Foundation Brings Nature Collectibles to the Carbon-Negative Hedera Network

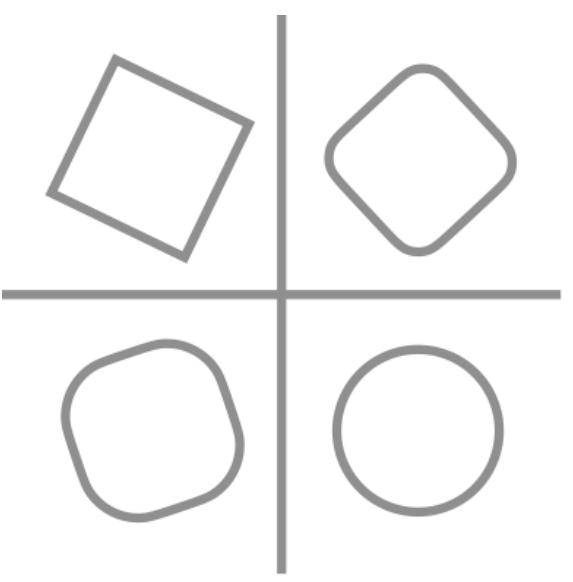
Web 3 developers are choosing Hedera because of...



Community &
Ecosystem



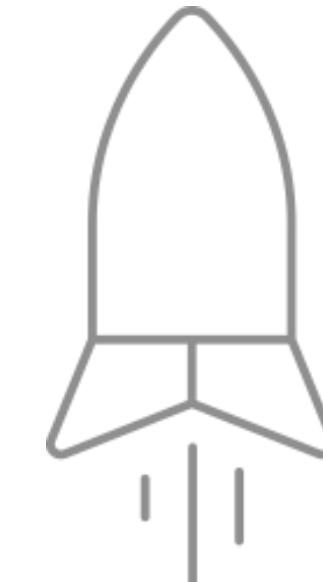
Sustainability



Stability

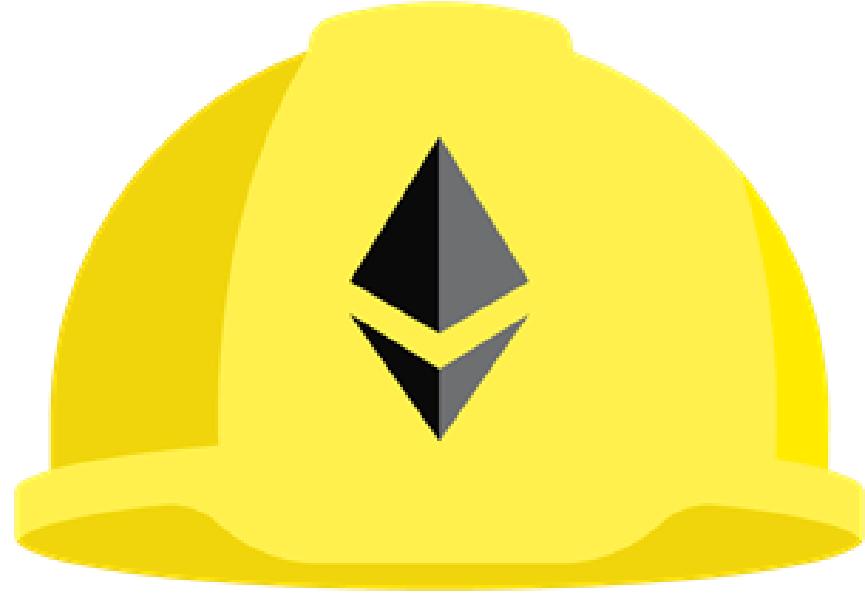


Security



Performance

How? By using the most popular EVM tools you already know



Hardhat



Truffle



Foundry



Remix



Ethers.Js



Web3.Js

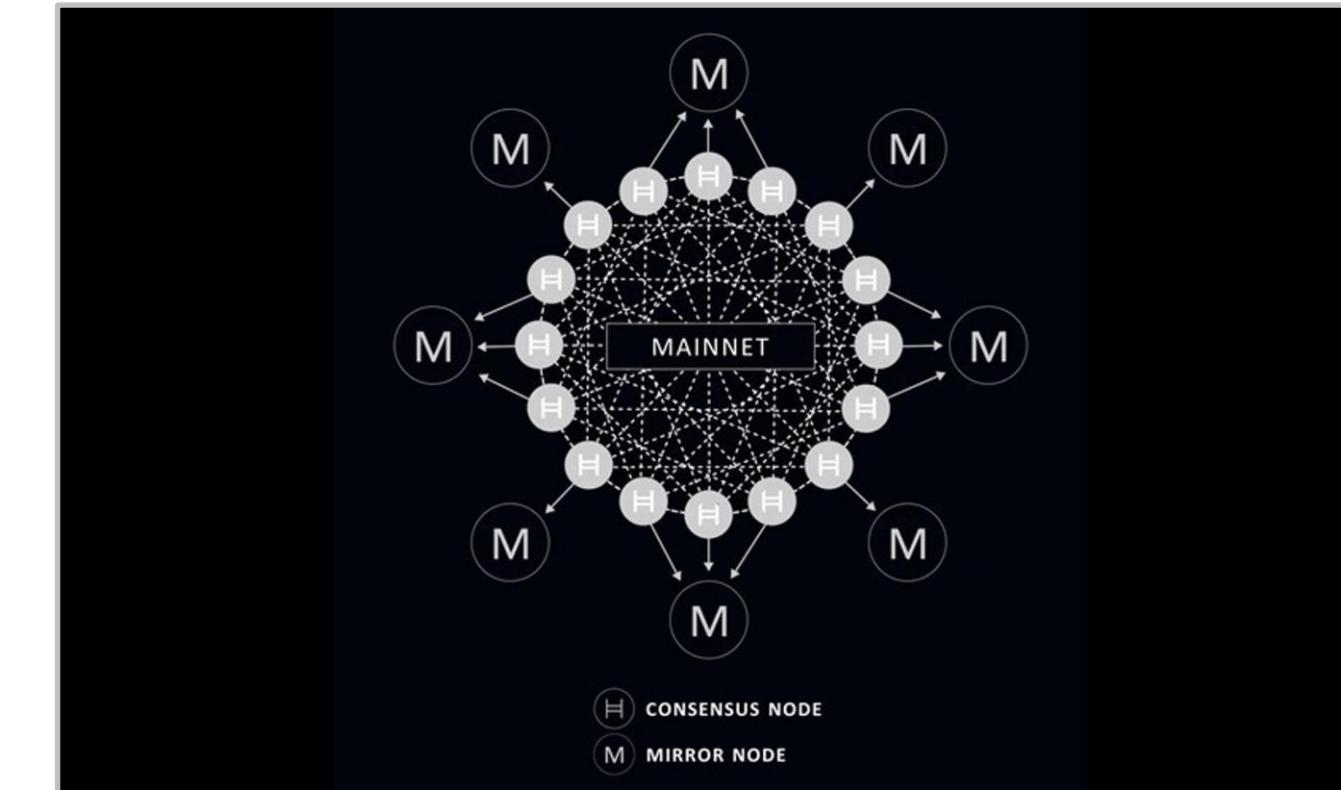


Thirdweb

Keep in mind these **unique benefits** when deploying cross-chain applications or completely migrating to Hedera

Leaderless Consensus: Fairness of order and access.
No single node can exclude transactions or delay them

Token/Account Associations: Accounts opt-in to transact tokens. NFT spam on Hedera is non-existent



Viable state management



Spam-free



ED25519 & ECDSA

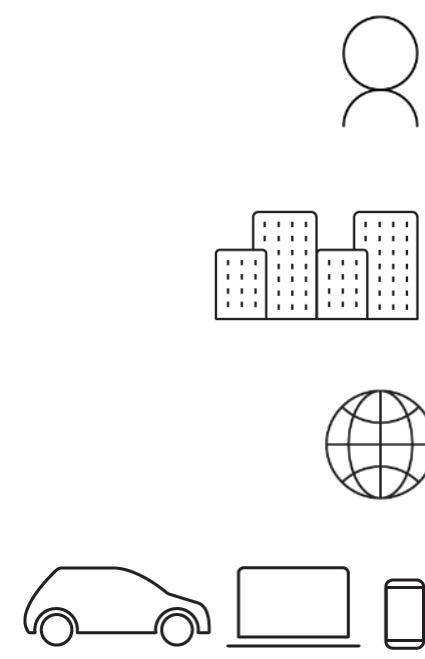


Multi-signature

Key Flexibility: ED25519 and ECDSA types. Choose the best key for your application and requirements

Any Key Structure: More than one signer? No problem. Try any key structure (lists, thresholds, nested)

END USERS

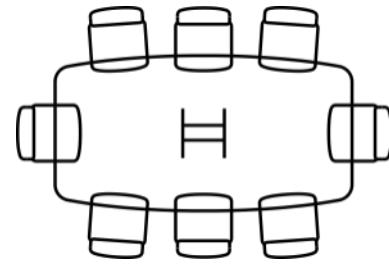


INDIVIDUALS
ENTERPRISES
GOVERNMENTS
DEVICES

APPLICATION USE CASES



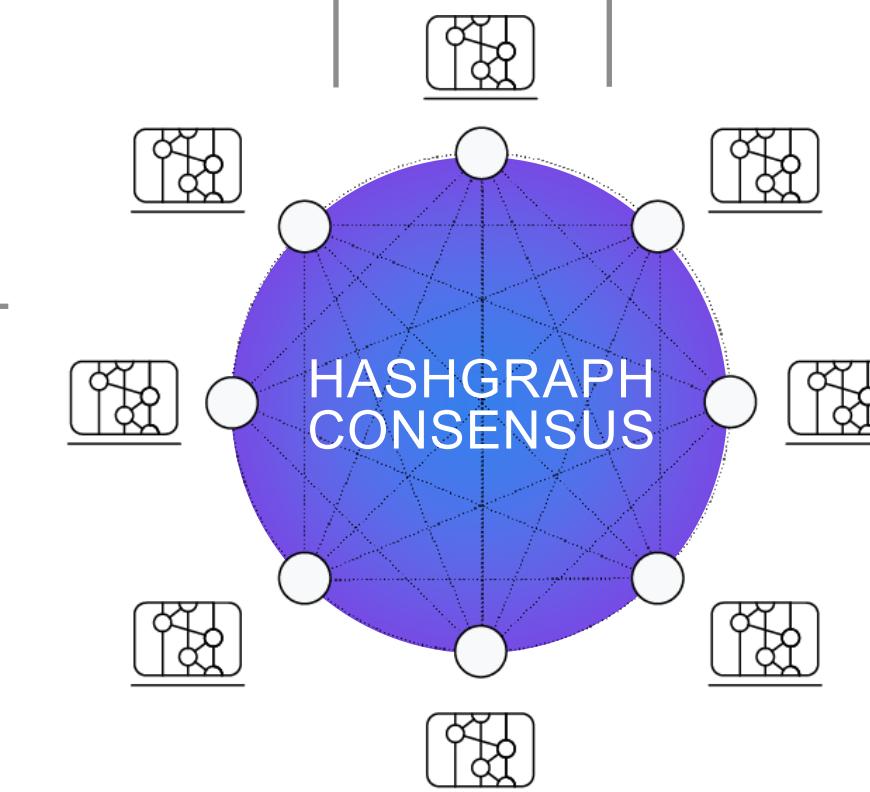
HEDERA GOVERNING COUNCIL



CONSENSUS SERVICE

TOKEN SERVICE

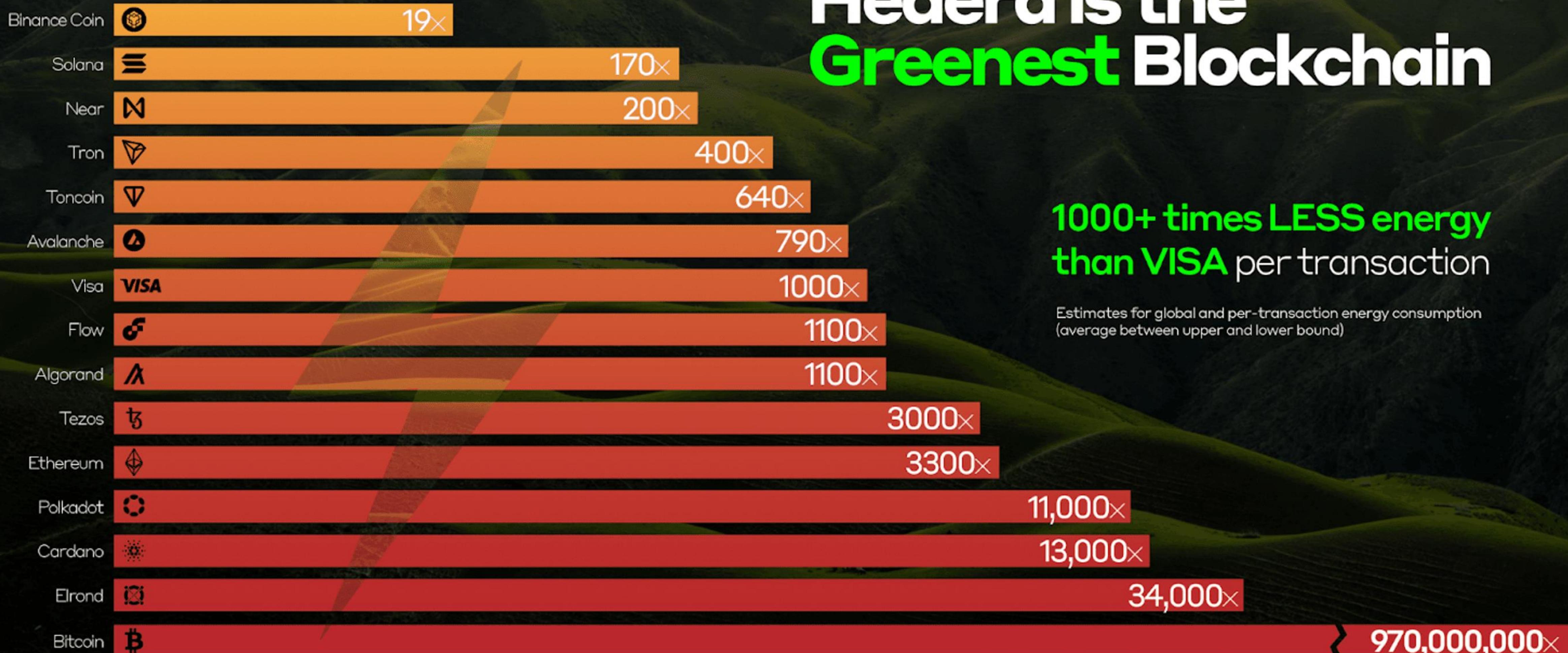
SMART CONTRACTS



HEDERA MAINNET & MIRROR NODES



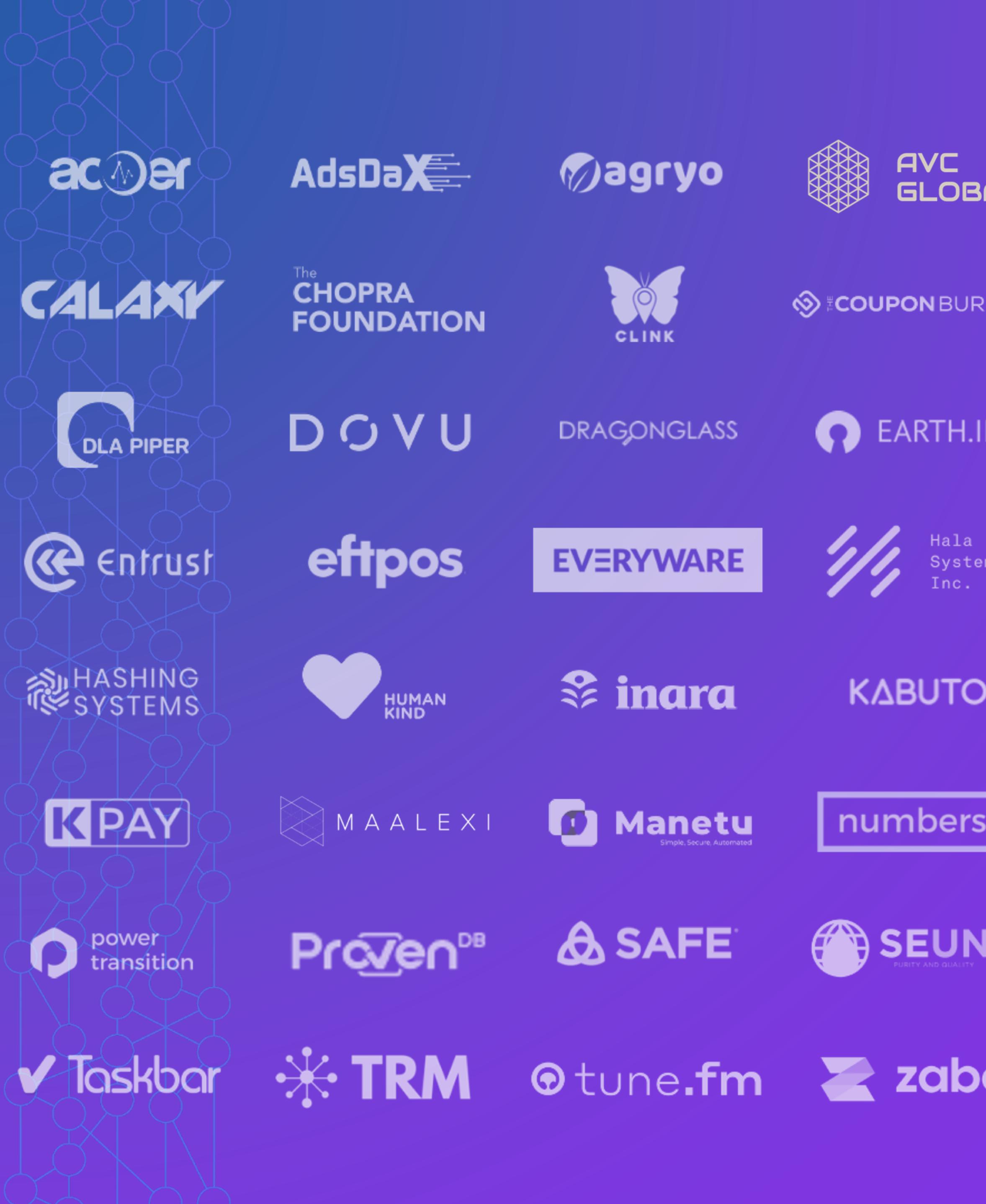
 Hedera  .000003 kWh per transaction 



**Hedera is the
Greenest Blockchain**

**1000+ times LESS energy
than VISA per transaction**

Estimates for global and per-transaction energy consumption
(average between upper and lower bound)



>15,000 DEVELOPERS

Attending global hackathons, meetups, and active in Discord

>100 APPLICATIONS

In production on Mainnet, since open access on Sept. 2019

>500 TRANSACTIONS PROCESSED EACH SECOND

Far surpassing the transaction volume of any other network

>7,000,000,000 TXS TO DATE

Most used public DLT. All transactions counted are submitted and paid for by users

>2,000,000 TOTAL ACCOUNTS ON MAINNET

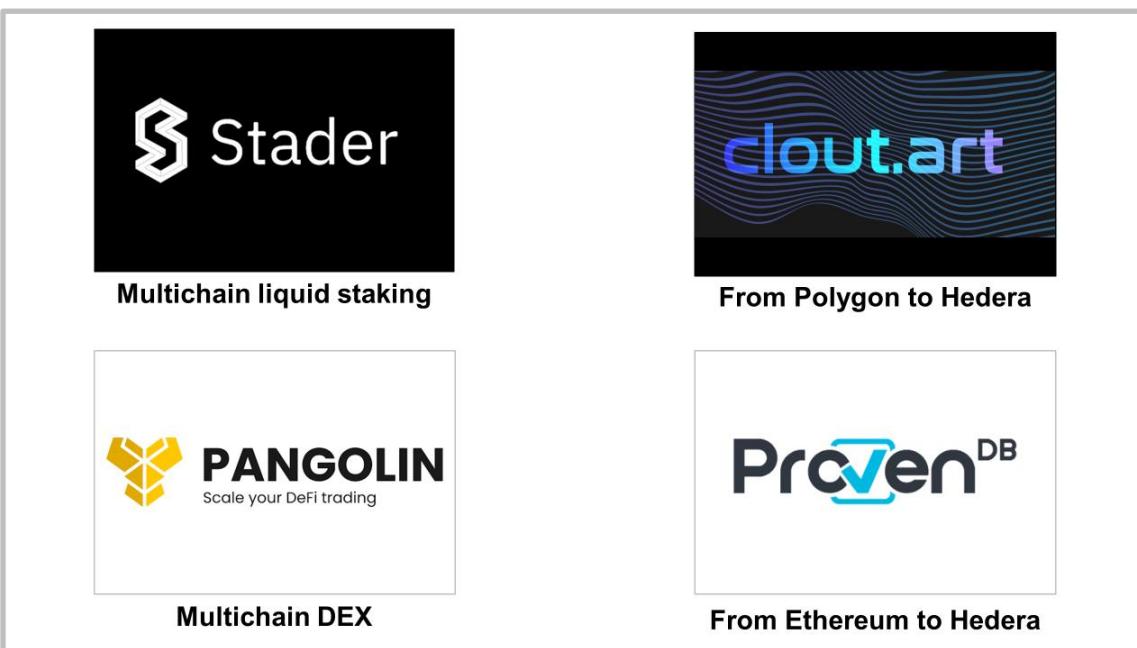
Over 250,000 accounts created YTD in 2023

In summary, even with dozens of options, devs choose Hedera to benefit from its unique ecosystem, opportunities, and technology

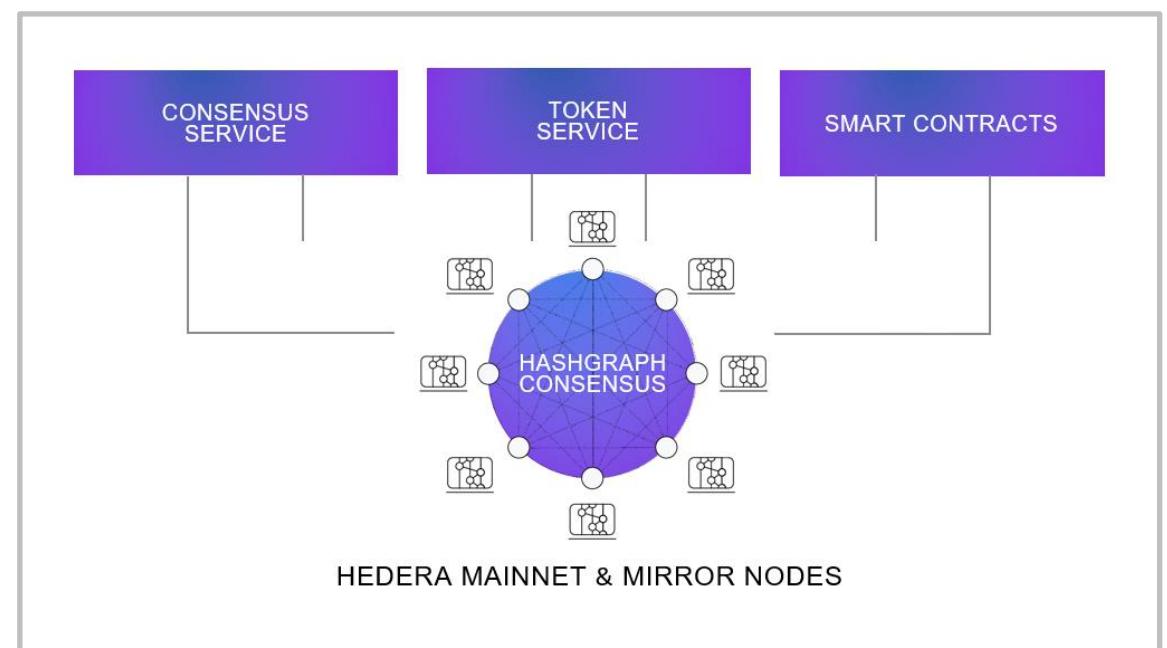
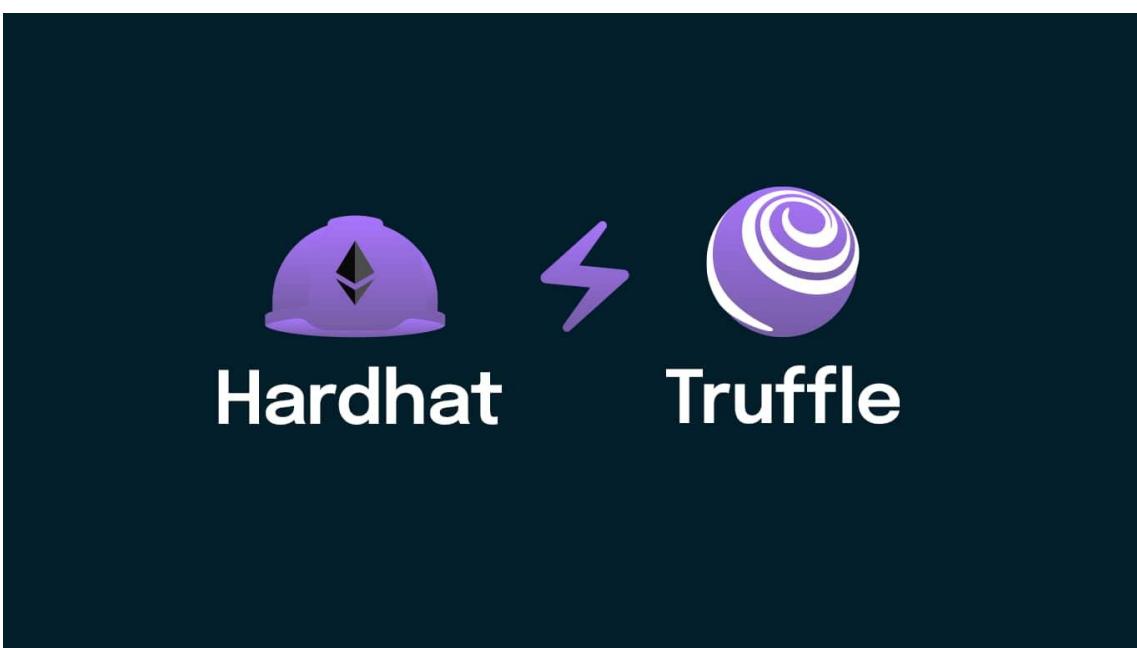
Deploying cross-chain applications and migrating to a new network are complex problems that many teams face



Teams facing these decisions are choosing Hedera to expand their horizons



Deploy contracts on Hedera using EVM libraries and tools you already know – and there's more than just contracts!



Take the next step! Evaluate Hedera without cost or risk!



Hedera



Create a **Mainnet** account

Choose an HBAR supported wallet to instantly create a mainnet account.

BLADE

Blade is more than just a wallet. It's a portal to Web3.

[DOWNLOAD](#)

HashPack

HashPack is the gateway for Hedera dApps, DeFi and NFTs.

[DOWNLOAD](#)

[MORE WALLETS](#)



Create a **Testnet** account

Create a developer portal profile to start building decentralized applications.

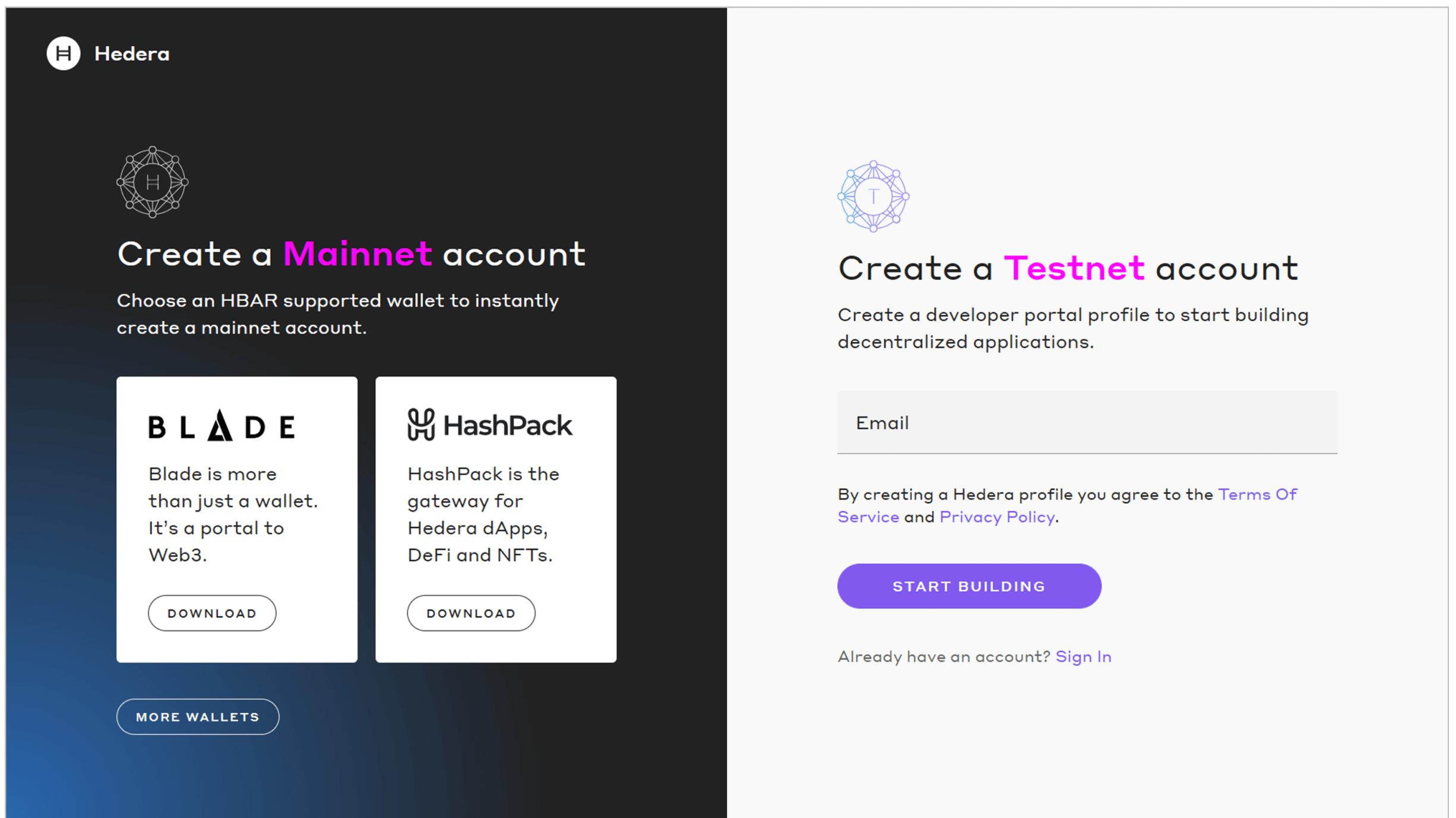
By creating a Hedera profile you agree to the [Terms Of Service](#) and [Privacy Policy](#).

[START BUILDING](#)

Already have an account? [Sign In](#)

hedera.com/portal

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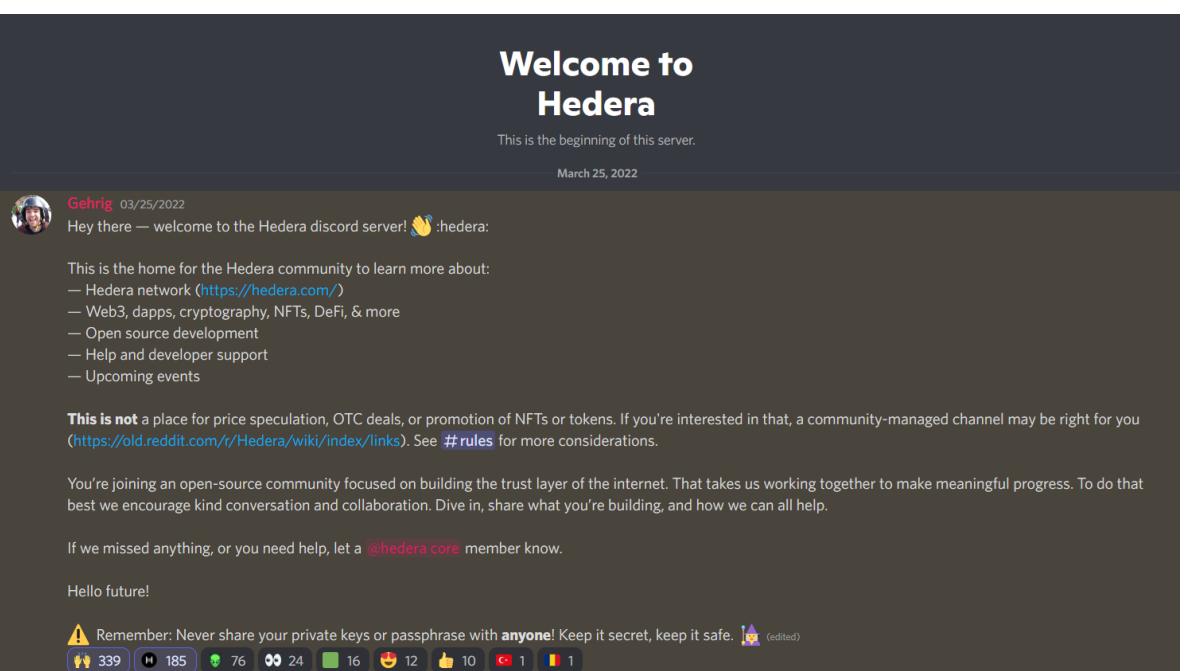
Email

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[START BUILDING](#)

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hedera.com/portal



Welcome to Hedera
This is the beginning of this server.
March 25, 2022

Gehrig 03/25/2022 Hey there — welcome to the Hedera discord server! [@hedera](#):

This is the home for the Hedera community to learn more about:
— Hedera network (<https://hedera.com/>)
— Web3, dapps, cryptography, NFTs, DeFi, & more
— Open source development
— Help and developer support
— Upcoming events

This is not a place for price speculation, OTC deals, or promotion of NFTs or tokens. If you're interested in that, a community-managed channel may be right for you (<https://old.reddit.com/r/Hedera/wiki/index/links>). See [#rules](#) for more considerations.

You're joining an open-source community focused on building the trust layer of the internet. That takes us working together to make meaningful progress. To do that best we encourage kind conversation and collaboration. Dive in, share what you're building, and how we can all help.

If we missed anything, or you need help, let a [@hedera core](#) member know.

Hello future!

⚠ Remember: Never share your private keys or passphrase with **anyone!** Keep it secret, keep it safe! (edited)

339 185 76 24 16 12 10 1 1

hedera.com/discord



Talk to us!



Hedera™

THE TRUST LAYER OF THE INTERNET



/ed-marquez



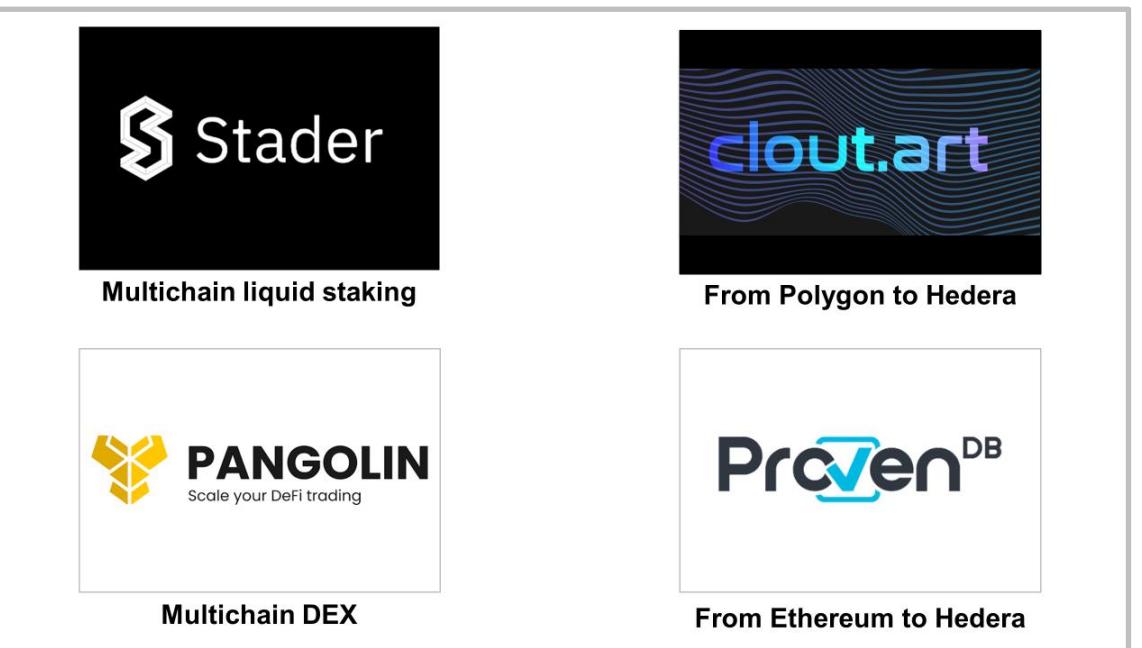
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