STATE OF CRYPTO 2025

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THE CRYPTO MARKET IS BIG (AND GROWING)

The crypto market develops in cycles — a feedback loop between prices, developers, and users



Share of global crypto market capitalization

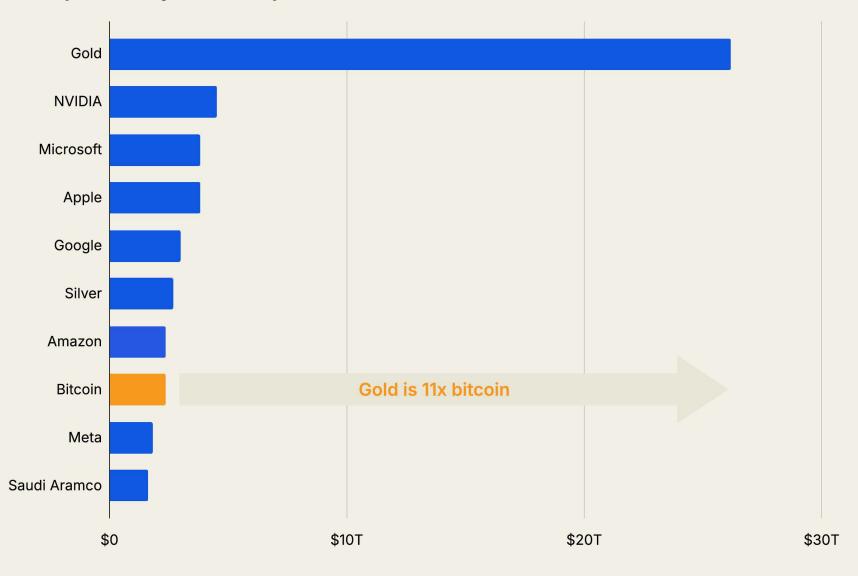


Bitcoin still
dominates
it continues to
represent more
than half of
crypto's total
market cap

alózcrypto Source: CoinGecko ©2025 a16z | All rights reserved worldwide

U.S. tech companies and global commodities like Bitcoin anchor the modern economy

Top assets by market cap



Bitcoin price vs. macro benchmarks

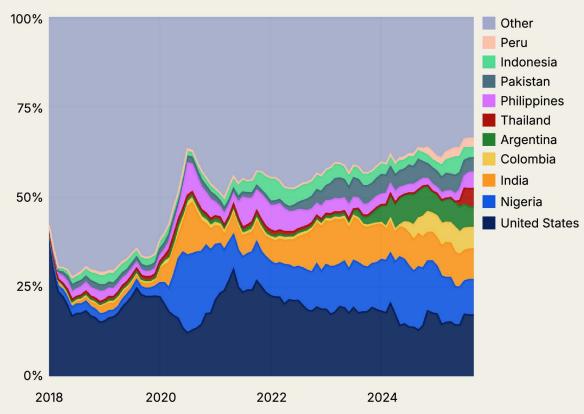


Macro forces matter matter sometimes Bitcoin acts like a safe haven, sometimes like a risk asset

Nasdaq² — Gold³ — Fed Funds Target Rate⁴

Crypto is global — but onchain activity is growing fastest in developing countries

Mobile wallet usage, an indicator of **onchain activity**, comes largely from developing countries



1/ Monthly active mobile crypto wallet users (Source: SensorTower)

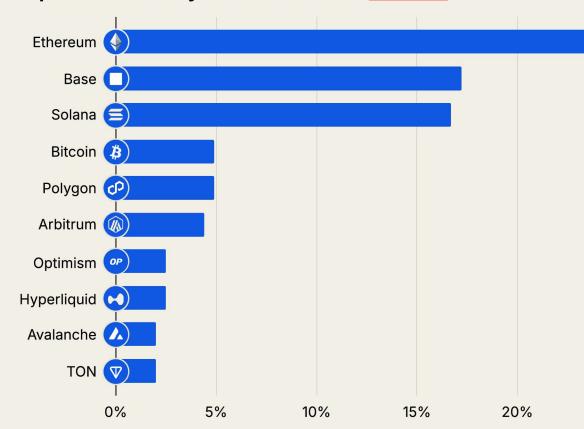
Token-related web traffic,² an indicator of **interest in tokens**, comes largely from developed countries

Source country	Avg % of web traffic from each country	Country population	% of web traffic per 1 billion people
Australia	1.99%	26,660,000	74.63
South Korea	3.80%	51,710,000	73.48
United Kingdom	4.25%	68,350,000	62.15
Canada	2.42%	40,100,000	60.23
United States	13.85%	340,100,000	40.73
Spain	1.89%	48,350,000	39.12
Germany	3.03%	83,280,000	36.44
France	2.22%	68,290,000	32.55
Vietnam	3.08%	100,400,000	30.66
Russia	3.28%	143,800,000	22.80
Indonesia	5.63%	281,200,000	20.02
Turkey	1.59%	85,330,000	18.61
Nigeria	2.81%	227,900,000	12.33
Brazil	2.09%	211,100,000	9.90
India	6.53%	1,438,000,000	4.54

^{2/} The % of web traffic coming from each country was calculated across the top 30 tokens on CoinGecko, using the project's listed website. Bitcoin, stablecoins, and other unconventional tokens were excluded. (Source: SimilarWeb as of 9/30/2025)

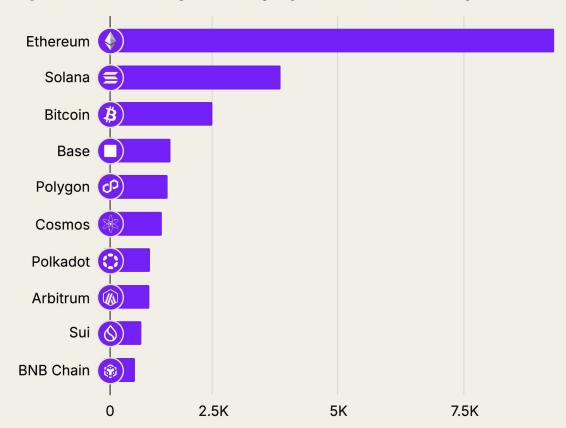
Crypto is multichain, with Ethereum (and its L2s), Solana, and Bitcoin attracting the most developers

Top blockchains by builder interest¹ VIEWLIVE



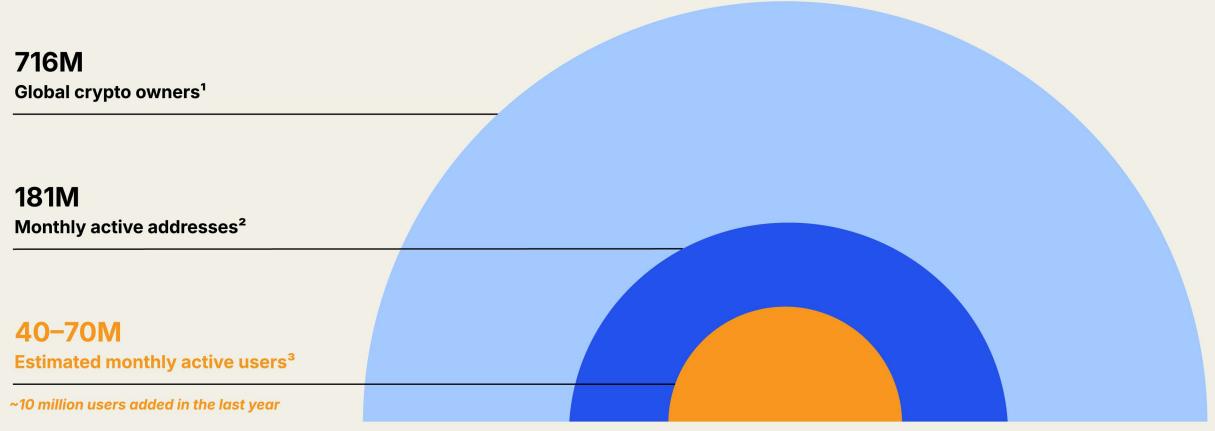
1/ Builder interest reflects the blockchains that founders tell us they are — or are interested in — building on, based on a16z investment team analysis. Includes companies analyzed over the past year, and may not represent the total builder population. Data is as of 9/30/2025.

Top blockchains by monthly open source developers²



2/ Monthly open source developers is based on original code authors in community-tagged public crypto repositories on GitHub, sourced from Electric Capital's Developer Report. Data is as of 9/30/2025.

We estimate that the number of monthly active crypto users has grown to 40-70 million



- 1/ Represents people who own crypto but do not necessarily transact onchain. Source: Crypto.com as of 8/31/2025
- 2/ Represents the number of distinct active (sending) addresses across tracked blockchains. Source: Allium as of 9/30/2025
- 3/ Represents the number of unique people who transact onchain monthly. Source: a16z crypto analysis as of 9/30/2025

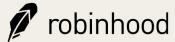


2025: THE YEAR OF INSTITUTIONAL ADOPTION

Some of the largest financial institutions are embracing crypto



Went public in June 2025, reaching a market cap of more than **\$50 billion**



Offered **tokenized U.S. stocks** in the EU; announced its own Arbitrum-based **layer 2 blockchain**

BlackRock

Launched BUIDL, its first **tokenized money-market fund**



Rolled out its **tokenized money-market fund** on Ethereum; started testing its own **USD-pegged stablecoin**

stripe

Acquired stablecoin platform **Bridge** and wallet infrastructure company **Privy**; announced a new payments-focused blockchain called **Tempo**

VISA

Launched **Visa Tokenized Asset Platform** and **stablecoin-linked cards**

PayPal

Launched "Pay with Crypto" to simplify **cross-border commerce** for merchants



mastercard.

Partnered with Circle to enable stablecoin settlement; created Crypto Credential for secure onchain transfers

Revolut

Launched Revolut X, a **standalone crypto mobile app** for retail traders across Europe



Launched **support for stablecoins** via Shopify Payments and Shop Pay

J.P.Morgan

Announced a partnership with Coinbase, enabling **crypto purchases via credit cards**

Morgan Stanley

Announced the offering of **crypto trading on E*TRADE**, meeting retail demand and pushing crypto further into mass market

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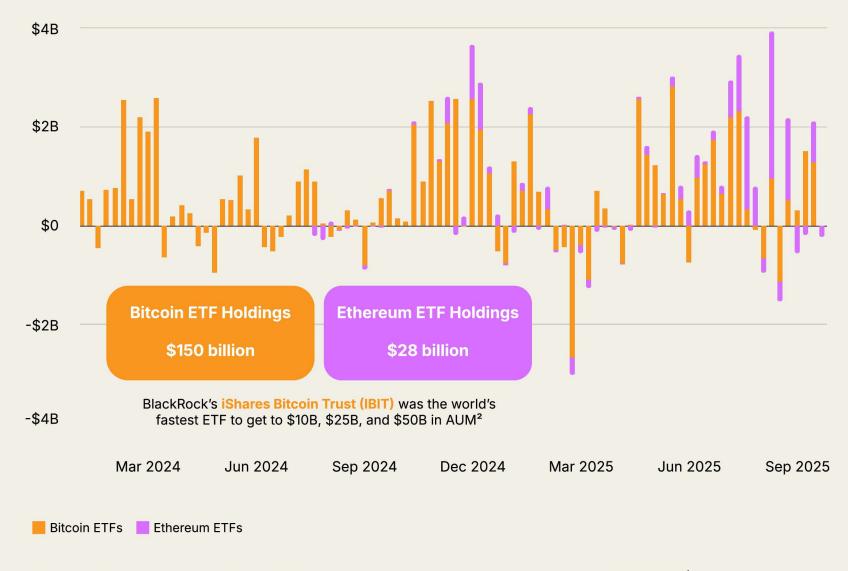
Source: a16z crypto analysis

Institutional capital is flowing into crypto — Bitcoin and Ethereum ETFs hold over \$175 billion in onchain assets

Note: Though commonly called ETFs (exchange traded funds), these are actually registered as ETPs (exchange traded products), using SEC Form S-1, indicating the underlying portfolios are not comprised of securities

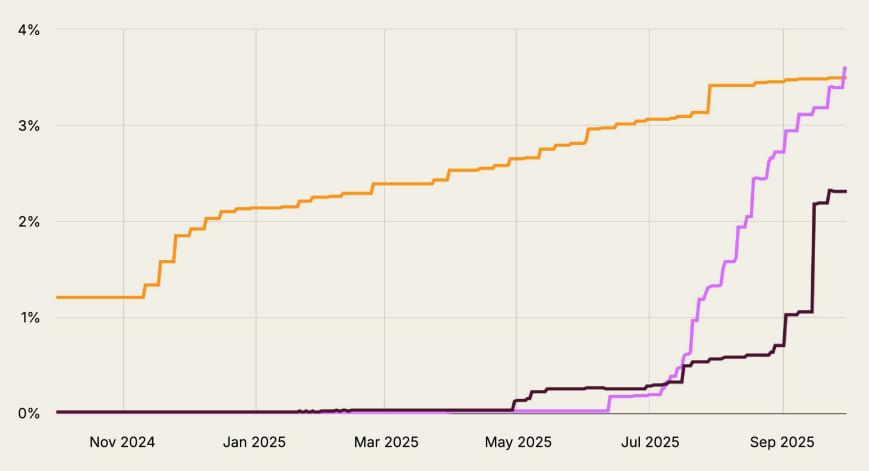
Net flows exclude flows into preexisting products like the Grayscale Bitcoin and Ethereum Trusts which were eventually converted to ETFs

Bitcoin and Ethereum ETFs: Weekly net flows (USD)¹ VIEWLIVE



Publicly traded "treasury companies" have burst onto the scene now holding billions of dollars in crypto

Crypto treasury companies: Share of total token supply held





BTC holdings

MSTR - \$73 billion CEP - \$5.0 billion CEPO - \$3.4 billion SQNS - \$365 million

SMLR - \$573 million BRR - \$565 million

NAKA - \$657 million

ETH holdings

BMNR - \$11 billion ETHZ - \$424 million SBET - \$3.5 billion BTCS - \$290 million ETHM - \$2.1 billion FGNX - \$210 million BTBT - \$502 million **GAME -** \$65 million



SOL holdings

FORD - \$1.4 billion **DFDV -** \$428 million **UPXI -** \$421 million

HSDT - \$159 million

STKE - \$93 million BTCM - \$9 million

STSS - \$417 million

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Source: Blockworks

Bitcoin

— Ethereum

Solana

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Stablecoin-related mentions in SEC filings



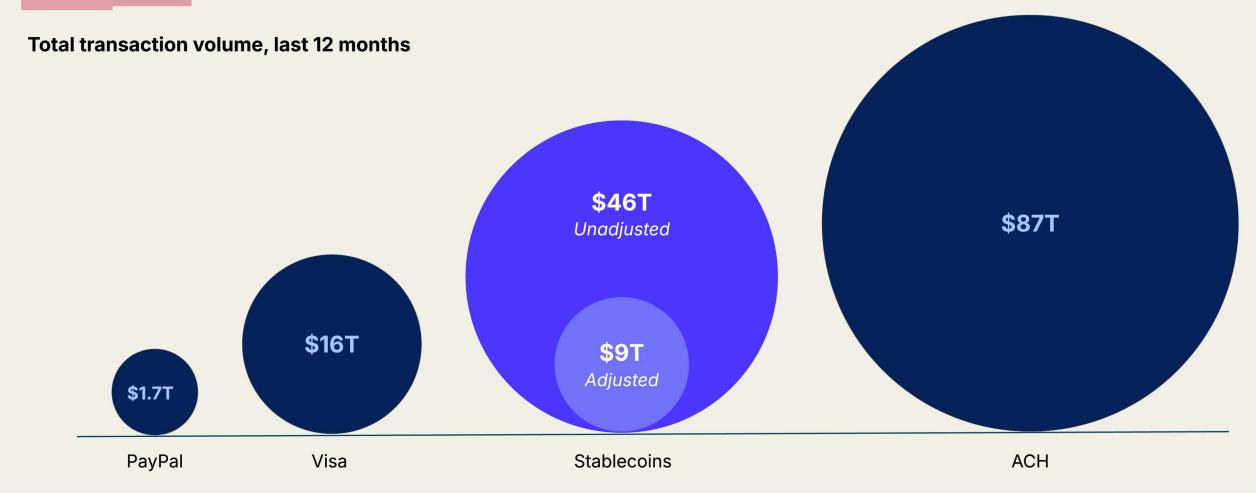
Stablecoins are no longer niche — major public companies are actively evaluating opportunities

Source: The Block



STABLECOINS HAVE GONE MAINSTREAM

Stablecoins now rival the world's largest payment networks in transaction volume



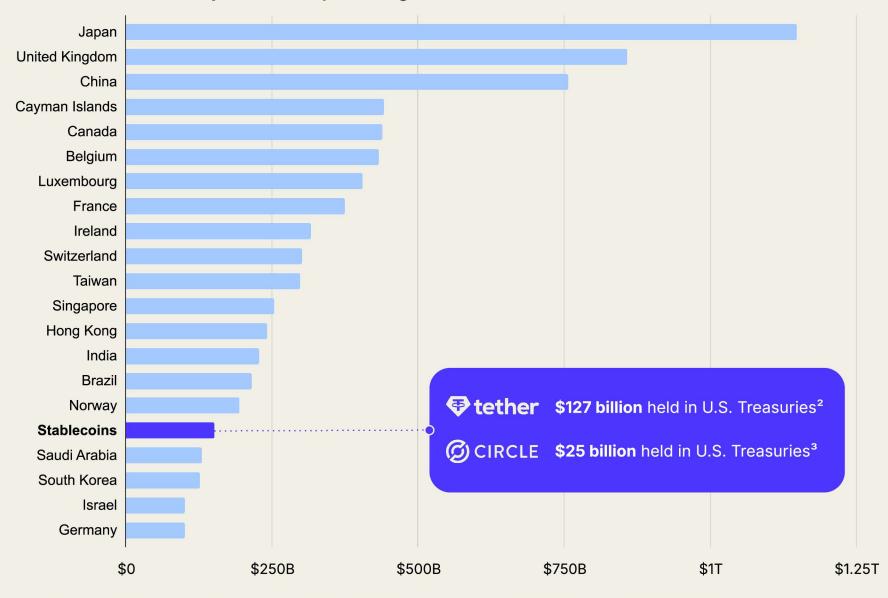
Sources (left to right): PayPal as of 6/30/2025, Visa as of 6/30/2025, Allium as of 9/30/2025, Nacha as of 6/30/2025 | Note: Adjusted transaction volume is designed to strip out inorganic activity (such as bots or other artificially inflationary practices), providing a clearer picture of genuine user-driven stablecoin activity

Stablecoins are one of the cheapest ways to send a dollar — in less than 1 second for less than 1 cent

Payment products in the U.S.						
Payment type	Transaction fee	Time to settle				
Credit card payment	2 - 3% + \$0.30	Instant to merchant				
Debit card payment	Durbin: 0.05% + \$0.21 Non-Durbin: 0.9% + \$0.15	Instant to merchant				
ACH	\$0.20 - \$1.50	3 – 5 business days				
International wire transfer	\$30 – \$50	1 – 5 business days				
Remittance service	6.65% (for \$200)	Minutes to days				
Peer-to-peer payment app	Free (p2p) 1 – 3% (business)	Instant to 1 day				
Stablecoin transfer (Solana, Ethereum L2s)	< \$0.01	< 1 second				

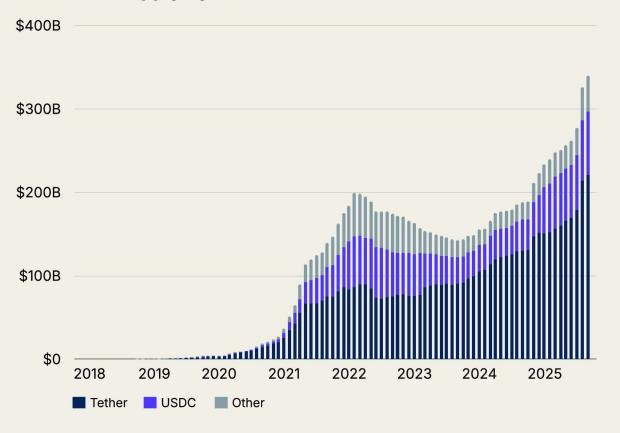
Stablecoins are already a top 20 holder of U.S.
Treasuries, ahead of Saudi Arabia, South Korea, Israel, and Germany

Stablecoins compared to major foreign holders of U.S. Treasuries¹

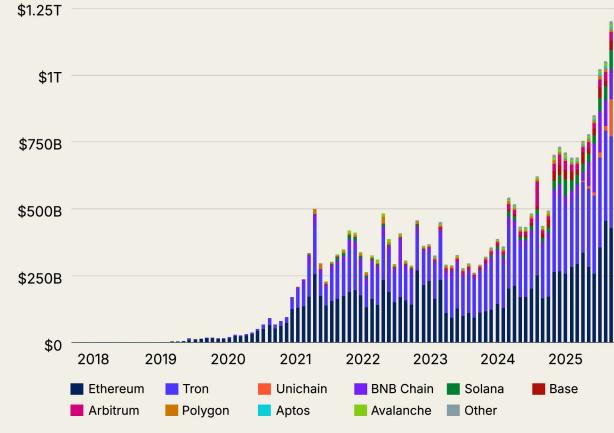


Tether and USDC dominate today's stablecoin supply, with most transaction volume settled on Ethereum and Tron

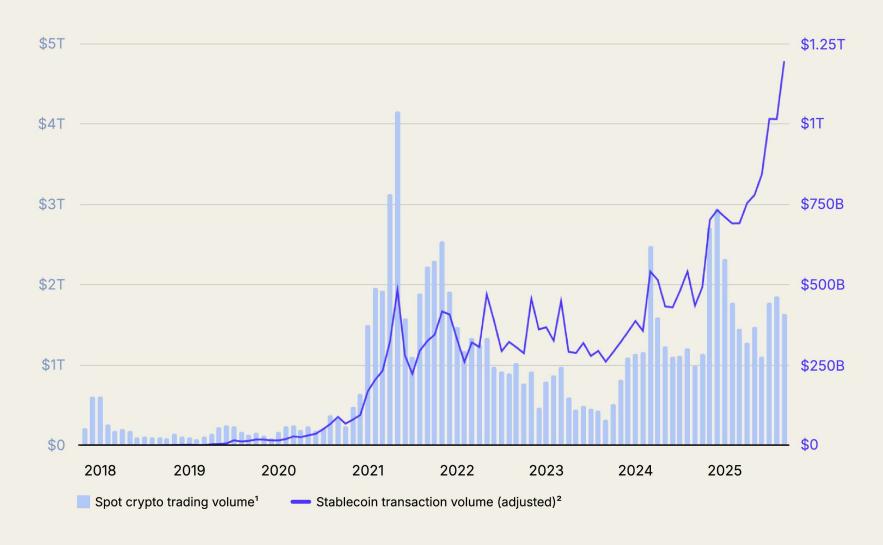
Stablecoin supply by issuer



Adjusted stablecoin volume by blockchain VIEWLIVE



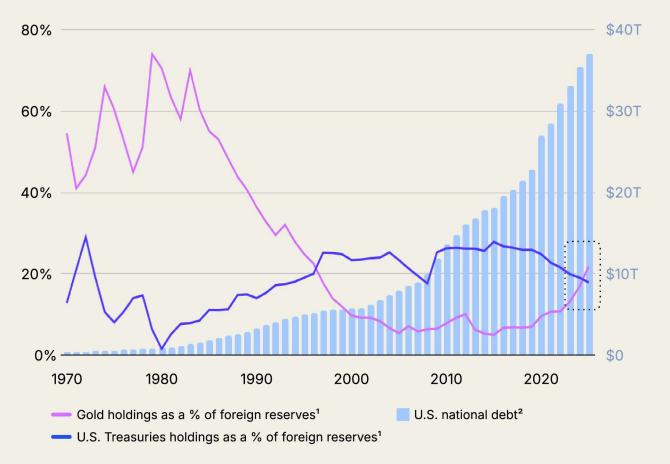
Spot crypto trading volume vs. stablecoin transaction volume (adjusted)

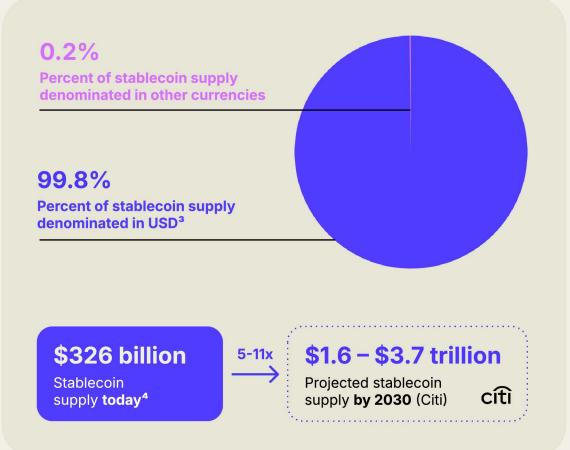


Stablecoins are breaking their correlation with broader trading volumes — a sign of organic adoption

Stablecoins can strengthen dollar dominance as the national debt surges and foreign demand for U.S. Treasuries fades

Foreign central bank reserves and U.S. national debt







THE WORLD IS COMING ONCHAIN

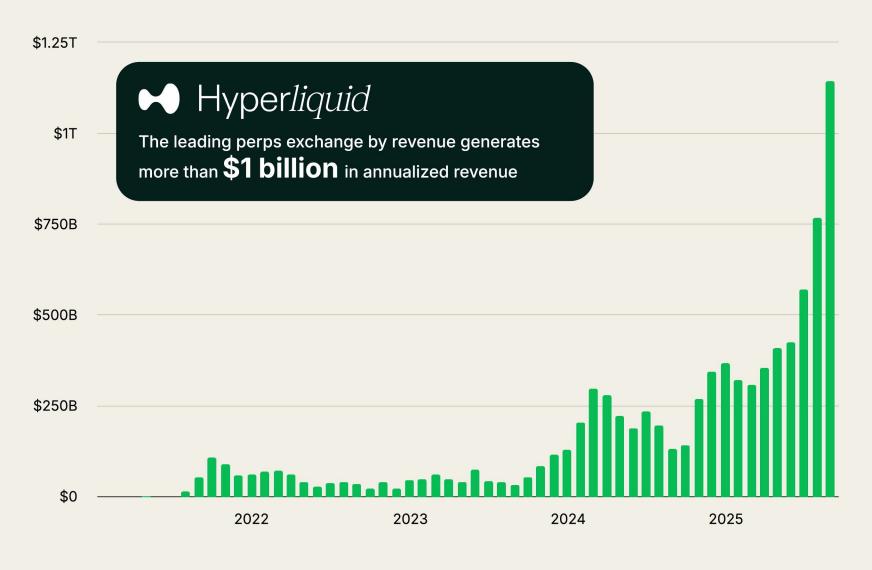
Share of decentralized exchange spot trading volume (%)



The DeFi industry is growing — crypto trading is shifting from centralized exchanges (CEXs) to decentralized exchanges (DEXs)

alózcrypto Source: The Block ©2025 a16z | All rights reserved worldwide

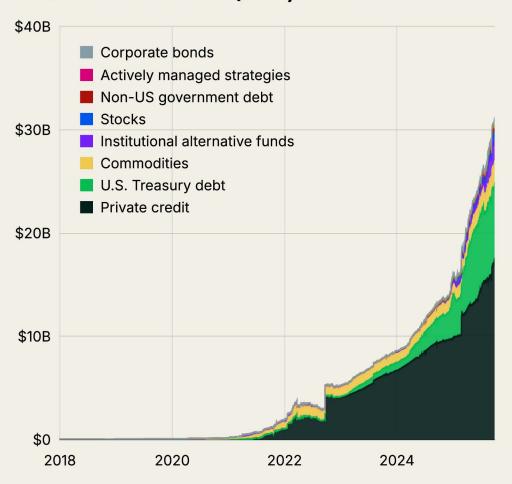
Perpetual futures trading volume



Perpetual futures
became a popular
product among
crypto speculators
— a natural
evolution of DeFi

Real-world assets are bridging traditional finance and crypto, with \$30 billion already onchain

Total Real-World Asset (RWA) value



Top RWA blockchains

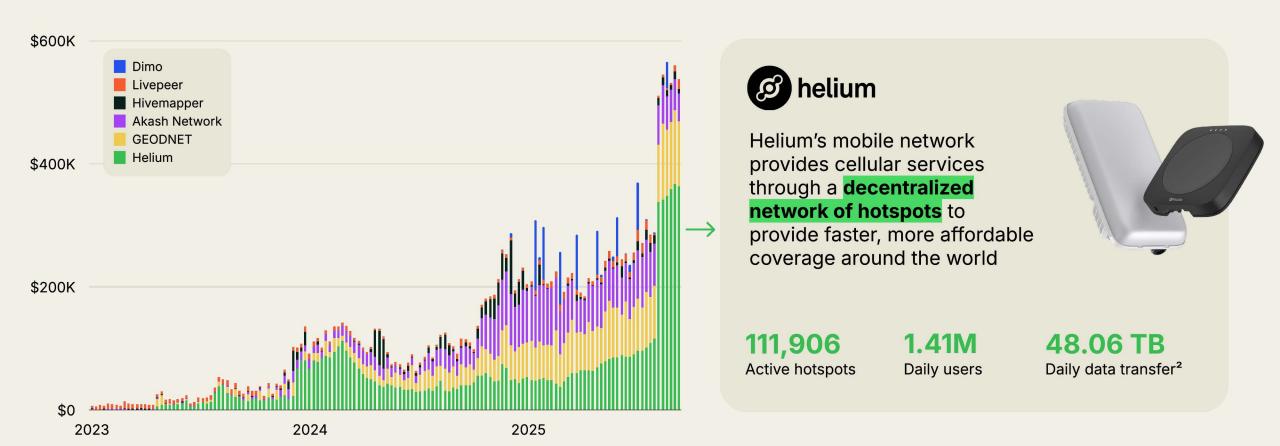
Network	RWA Count	Total Value
Ethereum	431	\$9,655.0M
ZKsync Era	41	\$2,454.3M
Polygon	272	\$1,139.2M
[⋒] Arbitrum	110	\$919.3M
Avalanche	40	\$742.9M
⊜ Aptos	14	\$720.1M
Solana	83	\$673.2M
⊗ BNB Chain	3	\$519.7M
	20	\$504.5M
XRP Ledger	11	\$360.8M

Top RWA issuers

Network	Total Value
BlackRock	\$2,640.3M
<i>≊</i> Anemoy	\$1,135.2M
O Paxos	\$1,134.0M
Tether Holdings	\$944.0M
⇔ Exodus	\$787.1M
@ Ondo I	\$728.7M
Franklin Templeton	\$717.5M
Superstate	\$705.3M
@ Ondo USDY	\$689.5M
⊕ ChinaAMC	\$663.8M

Decentralized physical infrastructure networks (DePIN) are gaining traction, leading to a new generation of user-owned services

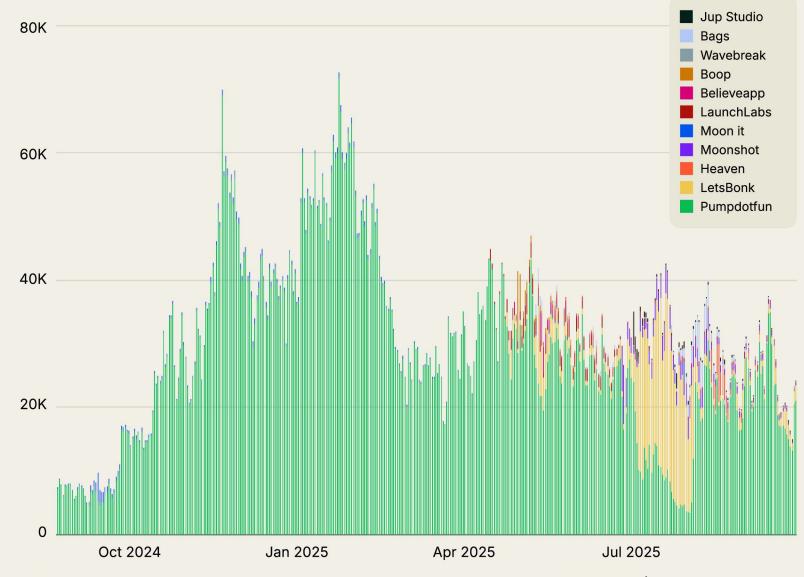
Select DePIN projects: Fees generated weekly¹



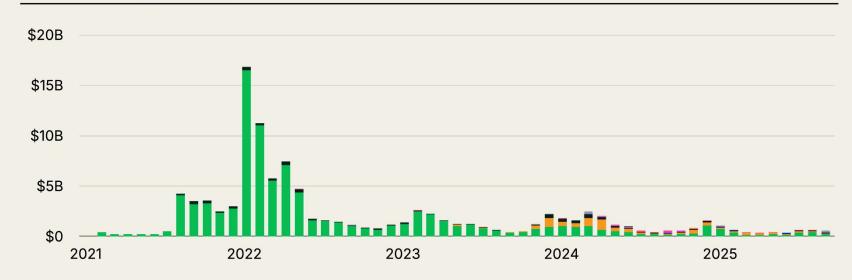
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Over 13 million memecoins have been launched in the past year—a symptom of crypto's lack of regulated market frameworks

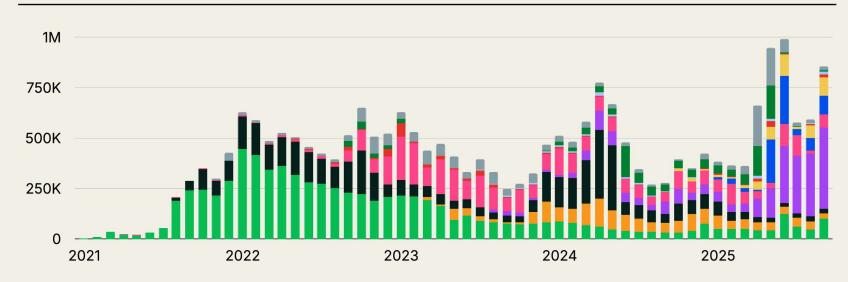
Tokens deployed daily via memecoin launchpads



NFT volume VIEWLIVE



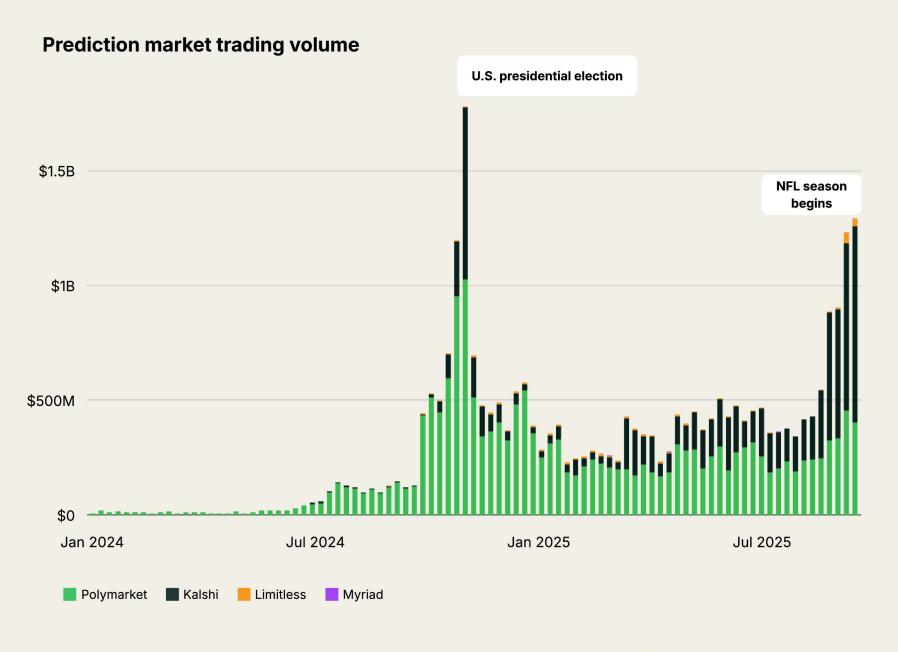
NFT monthly active buyers



The NFT market appears to be shifting from speculating to collecting as new, low-fee blockchains expand total number of participants



Post-election traction shows that prediction markets are here to stay



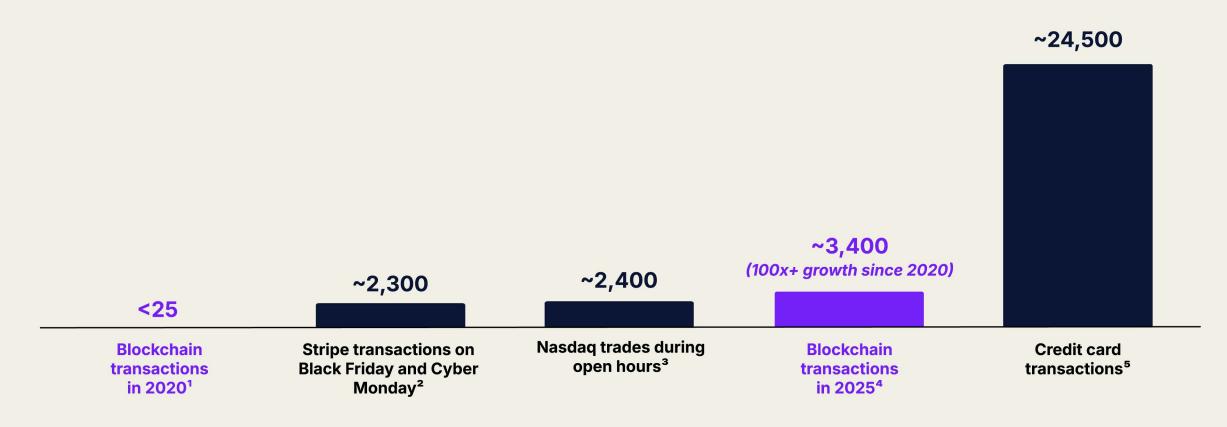
Source: Dune (@dunedata)



INFRASTRUCTURE IS (ALMOST) READY FOR PRIME TIME

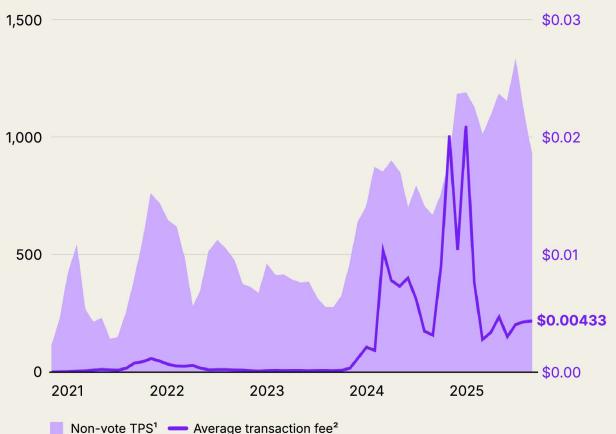
Blockchains now process more than 3,400 transactions per second, approaching the scale of some of the largest financial systems

Estimated transactions processed per second

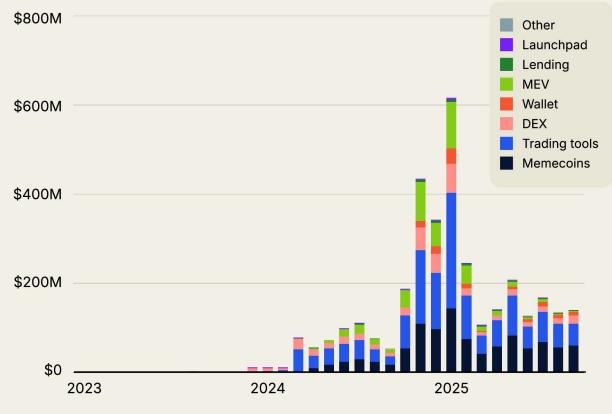


Solana is a hub for onchain economic activity, with rising throughput, cheap fees, and billions in app revenue

Non-vote transactions per second (TPS) and average transaction fee on Solana

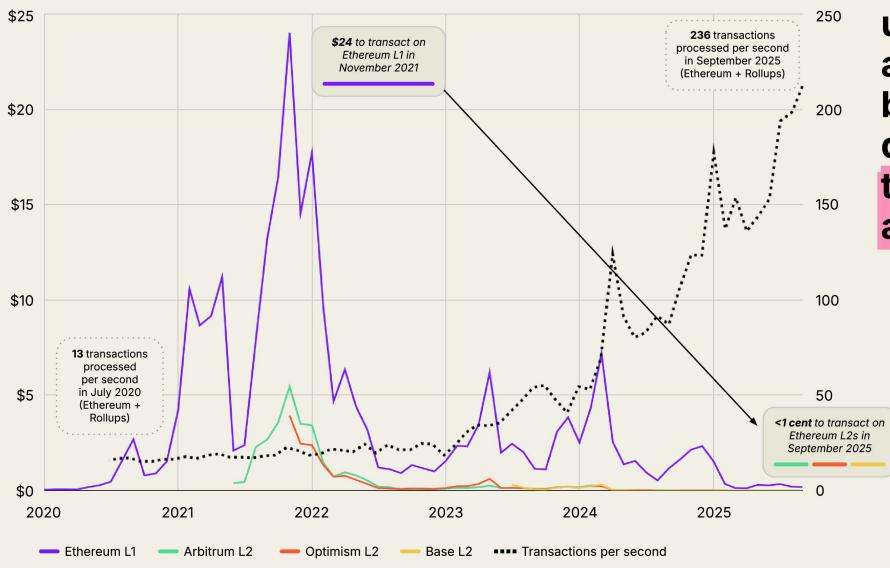


Application revenue¹ on Solana



alózcrypto Source: 1/ Blockworks, 2/ Token Terminal

Average transaction costs¹ and transactions per second² (Ethereum and its L2s)



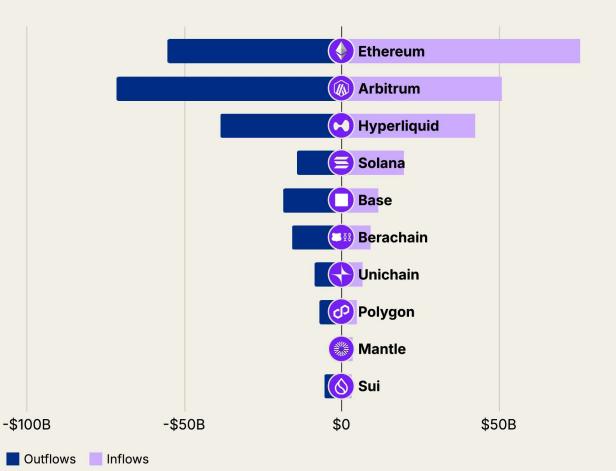
Recent Ethereum upgrades shifted activity to L2 blockchains, driving record throughput and all-time-low fees

alózcrypto Sources: 1/ growthepie.xyz, 2/ L2Beat ©2025 a16z | All rights reserved worldwide

Billions of dollars are flowing between blockchains, as bridging infrastructure becomes more robust

\$100B

Bridge flows by blockchain (2025 YTD)



Bridge volume by project (2025 YTD)

Bridge	Туре	Total Volume	Total Transactions
Hyperliquid	Canonical	\$73.9B	2.2M
LayerZero	Application	\$50.8B	2.3M
Circle CCTP	Application	\$38.9B	2.1M
Stargate	Application	\$16.1B	6.2M
deBridge	Application	\$12.1B	1.9M
Arbitrum	Canonical	\$11.6B	68K
Base	Canonical	\$9.0B	115K
Wormhole	Application	\$8.9B	1.1M
Across	Application	\$7.6B	6.2M
Polygon	Canonical	\$6.6B	108K

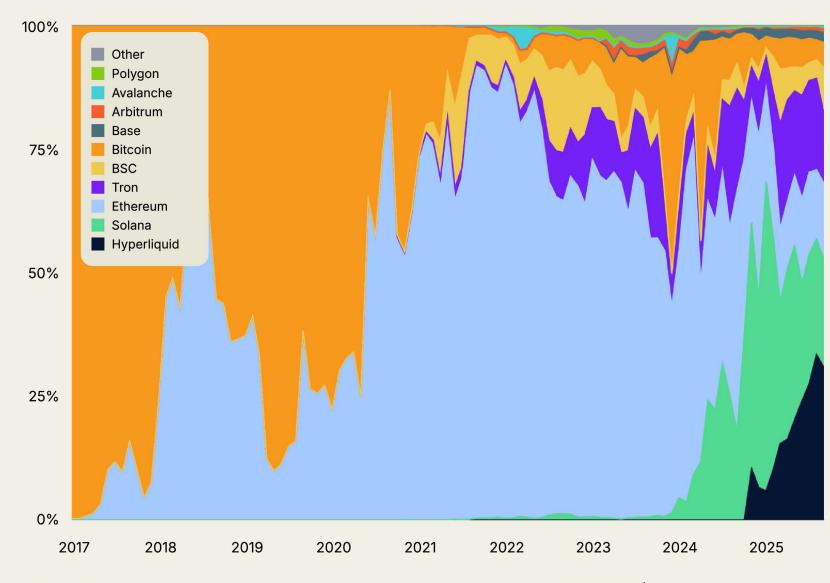
Canonical bridges (or official bridges) are the bridges deployed and maintained by a chain's core developers or foundation. Application bridges (or third-party bridges) are deployed by independent teams or protocols to facilitate cross-chain transfers

Source: Allium as of 9/30/2025

Solana and **Hyperliquid** are capturing the majority of real economic value today — a big shift from Bitcoin and Ethereum's dominance in years past

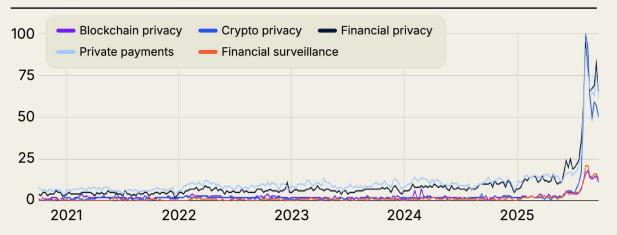
Note: Real economic value measures the amount people are paying to use various blockchains. It includes fees, tips, and any additional sources of revenue generated.

Share of network revenue (fees, tips, and any additional sources of revenue generated)

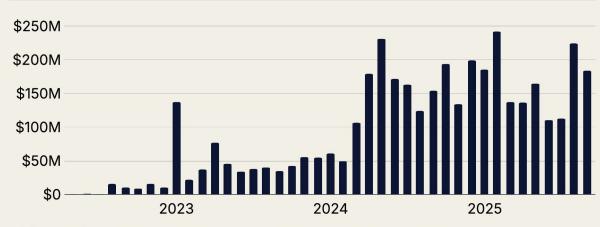


As crypto reaches more mainstream users, the need for privacy is more urgent than ever

Privacy-related Google search interest¹



Total flows through Railgun (privacy application)³



Zcash supply in shielded (private) pools²

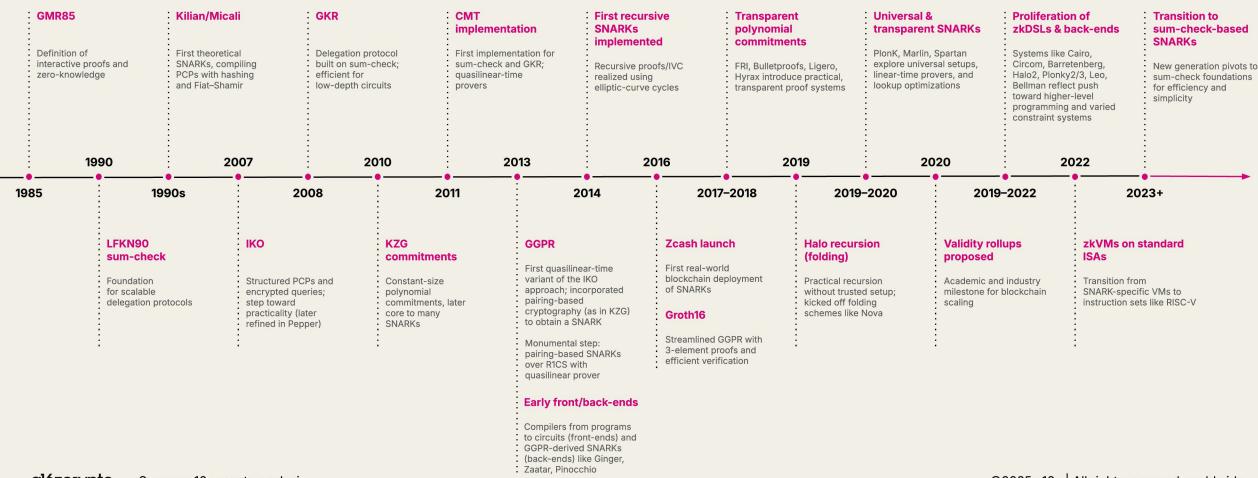


Notable privacy developments in 2025

- ✓ The Ethereum Foundation formed a <u>new privacy team</u> and announced a privacy-centric wallet SDK called <u>Kohaku</u>
- ✓ Paxos announced a partnership with Aleo to launch <u>USAD</u> a private, compliant stablecoin
- Zcash wallet Zashi integrated with Near Intents to enable <u>privacy-preserving</u>, cross-chain swaps
- ✓ Noir, a ZK programming language used for privacy applications, has seen an uptick in developer activity
- ✓ OFAC officially <u>lifted sanctions</u> on **Tornado Cash**, the decentralized privacy protocol it had blacklisted in 2022

ZK proofs have become critical to blockchain privacy and scaling, fueling a rapid acceleration in technical progress

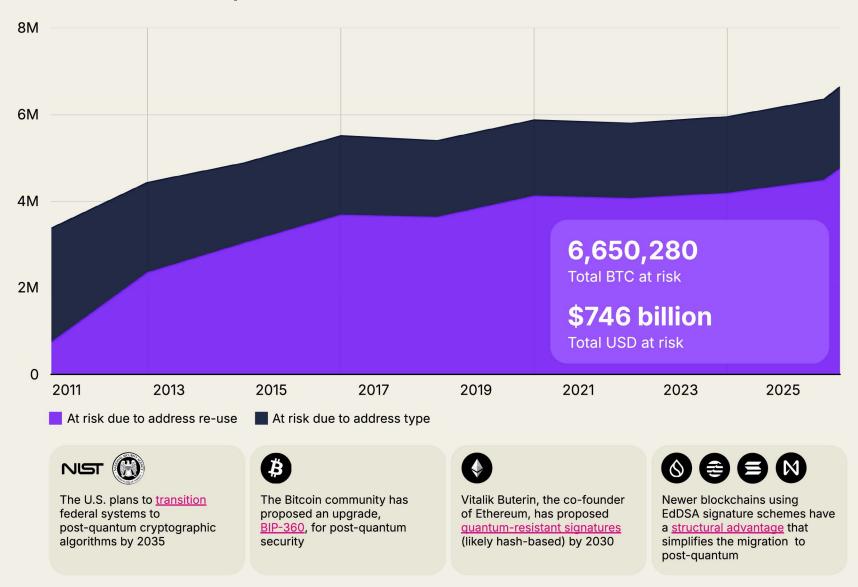
Timeline of the development of ZK technology



alózcrypto Source: a16z crypto analysis

Blockchains are preparing for the transition to quantum-secure cryptography

Total BTC at risk from quantum-vulnerable addresses





AIAND CRYPTO ARE CONVERGING

Crypto could solve some of Al's most pressing challenges

It's becoming much harder to tell the difference between Al and human-generated activity

Proof-of-human systems can help increase trust and resilience

More than

17 million unique humans

are verified on World¹

To unleash the power of Al agents, they need to be able to engage economically

Crypto may be the only viable payment rail for Al agents





Gartner estimates that by 2030, \$30 trillion in purchases

will be made or influenced by Al agents²

Al runs on intellectual property, but today's systems for coordinating and transacting don't scale

Blockchains can help track provenance and facilitate IP licensing

Intellectual property and other intangible assets are estimated at

\$80 trillion worldwide³

Al is increasingly concentrating power among a few big tech companies

Decentralized compute can help keep Al open, permissionless, and neutral











More than

420 thousand models

have been trained on Gensyn's decentralized network4

The convergence of crypto and Al has led to a new wave of entrepreneurial and investor interest

Percent of crypto companies building in the "Al x crypto" category¹

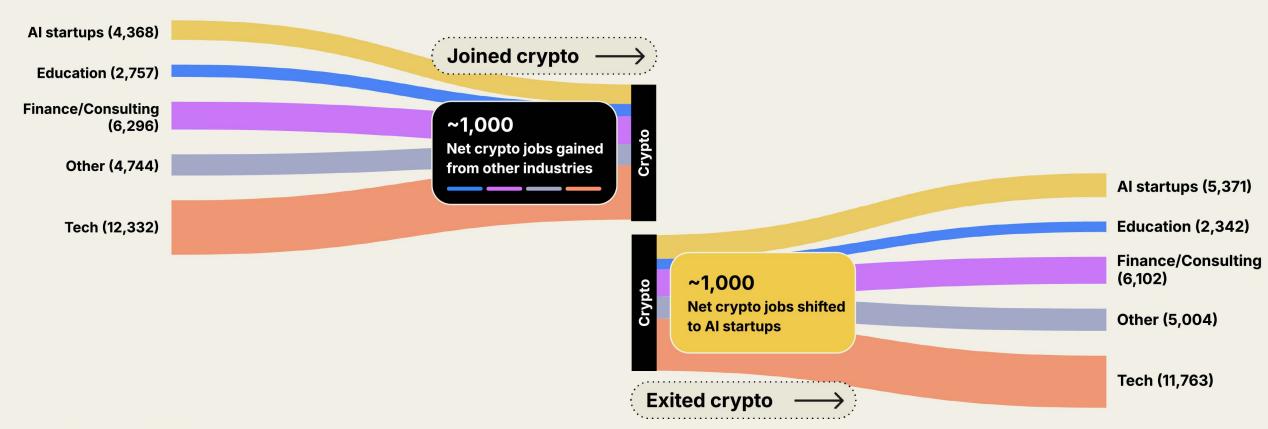


1. Calculated as the total number of VC deals categorized as "crypto" and "Al" divided by the total number categorized as "crypto".

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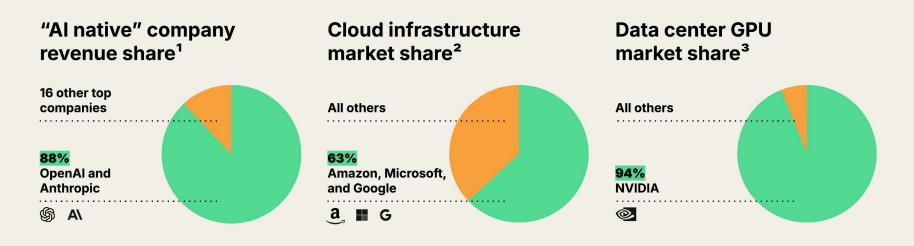
Since the launch of ChatGPT, crypto has lost some talent to Albut has gained a similar amount of talent from other industries

Job movements into and out of crypto companies since the launch of ChatGPT (Nov 2022 - Sep 2025)

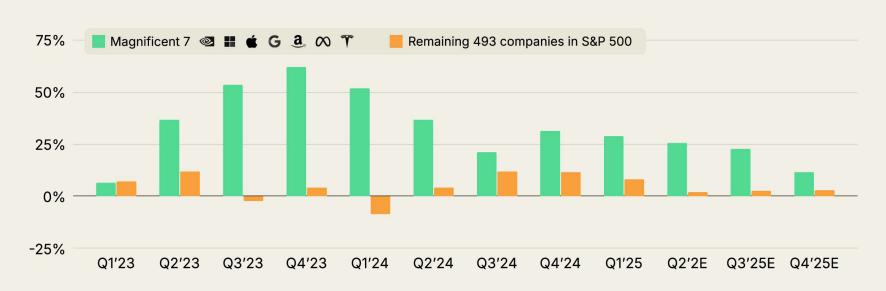


Note: There were 12,361 job movements within the crypto industry

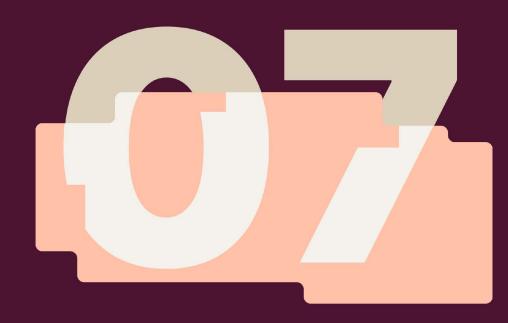
consolidating power within big tech, highlighting the need for greater decentralization



Net income growth⁴



Sources: 1/ The Information as of 8/26/2025, 2/ Synergy Research Group as of 6/30/2025, 3/ Jon Peddie Research as of 6/30/2025, 4/ Strategas and FactSet as of 8/5/2025



THE CRYPTO INDUSTRY IN AMERICA IS STRONGER THAN EVER

The U.S. has advanced key crypto legislation, bringing regulatory clarity to the industry

Guiding and Establishing National Innovation for U.S. Stablecoins (GENIUS)

Provides clear rules for stablecoin issuers

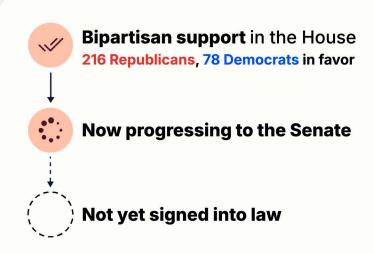


What does this new legislation do?

- 1. Establishes requirements for permitted stablecoin issuers
- 2. Defines reserve and backing standards
- 3. Provides transparency and disclosure rules, bolstering consumer protections

Digital Asset Market Clarity Act (CLARITY)

Establishes a new regulatory framework for digital asset markets



What would this new legislation do?

- 1. Create a clear regulatory pathway for digital commodities
- 2. Enable oversight of blockchain-based intermediaries
- 3. Protect consumers with strong safeguards, while fostering innovation

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Federal agencies are already taking action as crypto legislation progresses



Legal actions

- ✓ DOJ Deputy AG Blanche publishes a memorandum revising the DOJ's crypto prosecution policies and priorities
- SEC dismisses or settles court cases and investigations against crypto companies, including Binance, Coinbase, Consensys, Gemini, Kraken, OpenSea, Robinhood Crypto, and Uniswap Labs
- ✓ Treasury reverses OFAC smart contract designation after federal court rules in plaintiffs' favor



Rules, statements, and guidance

- CFTC issues Advisory on foreign board of trade registration
- ✓ DOJ Acting AAG delivers speech that "merely writing code, without ill-intent, is not a crime"
- ✓ Federal Reserve, FDIC, and OCC rescind restrictive requirements for certain crypto activities
- ✓ OCC announces actions to depoliticize the banking system
- ✓ SEC issues statements and guidance on stablecoins, ETPs, staking, mining, and meme coins, among others



New initiatives

- WH creates President's Working Group on Digital Asset Markets and publishes policy recommendations report
- CFTC announces "Crypto Sprint" and initiative on spot crypto asset contracts
- SEC forms Crypto Task Force and launches "Project Crypto"
- Treasury and the SEC host numerous crypto policy roundtables
- Commerce begins using blockchains to publish GDP data











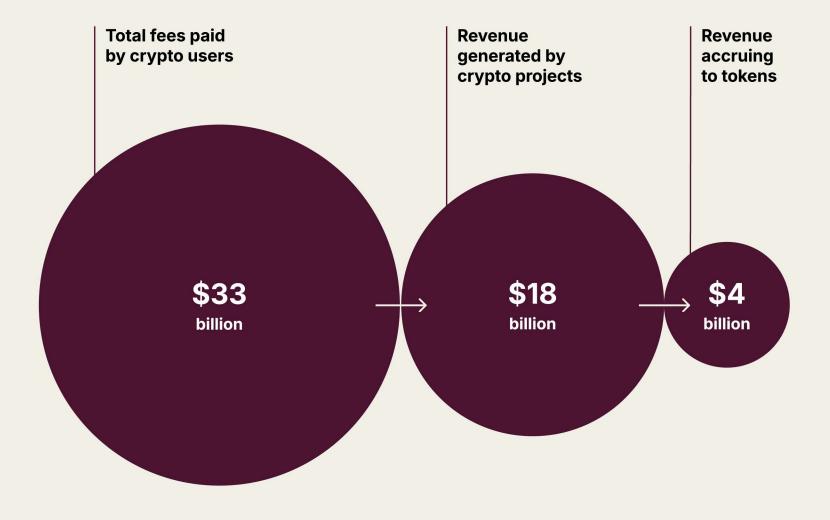








The new regulatory environment presents a path for network tokens to complete the economic loop by generating revenue that accrues directly to tokenholders

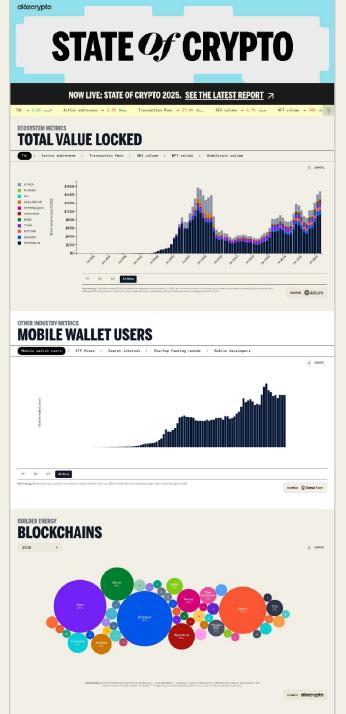


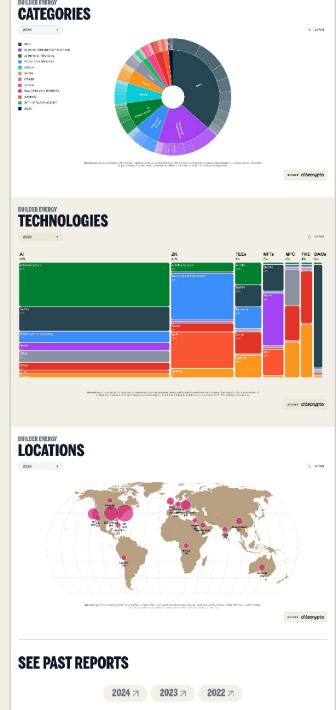


INTRODUCING: THE NEW STATE OF CRYPTO DASHBOARD

Track key industry metrics with the new State of Crypto Dashboard

EXPLORE THE LIVE DASHBOARD







WHAT'S NEXT FOR CRYPTO?

Some of our thoughts for 2025 and beyond...

Market structure legislation will be a top policy priority for the industry and Congress to provide a clear regulatory framework for people building in crypto.

Stablecoin adoption will accelerate as network effects kick in across financial institutions, merchants, and consumers, strengthening the US dollar globally.

New innovation at the **intersection of crypto and AI** will begin to address the internet's most pressing challenges.

Traditional financial institutions and emerging fintechs will double down on crypto with new product launches, partnerships, and acquisitions.

Blockchain infrastructure will continue to improve, with throughput soon approaching that of today's largest internet services.

A new wave of **real world assets will come onchain** as crypto and tradfi continue to merge.

More talent will flow into crypto as the regulatory environment improves and interesting new opportunities for developers emerge.

More tokens will generate revenue by turning on fee switches, shifting the market's focus toward fundamentals.

New consumer products will bring the next wave of crypto users onchain.

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