EOS Network 2023

Q4 Report

Message From the CEO



Dear EOS Community,

As we step from one year into the next, our reflection on the past is not just a retrospective. It reveals the EOS Network's evolution, not merely in milestones, but in a deeper awakening. This past year has been a testament to our community's strength and dedication, a reminder of our collective capacity to shape and redefine our network's potential.

Our journey throughout 2023 was marked by substantial enhancements, including the deployment of EOS EVM, the birth of EOS Labs, and strategic investments from EOS Network Ventures. These developments signify our unyielding pursuit of excellence and our commitment to expanding our network's capabilities.

The partnerships we forged over Q3, notably with CoinTR, ESCC, and PassPay, underscore our commitment to broadening the EOS Network's reach and utility. These alliances have opened new avenues for growth, particularly in the financial services and payment solutions sectors, strengthening our position in the global blockchain landscape.

The formation of EOS Labs, under the leadership of Huaqiang Wen, represents a major evolution in our capacity to coordinate our efforts across a diverse and multi-faceted blockchain ecosystem. Today, EOS Labs has emerged as an indispensable partner, demonstrating a strong vision for connecting EOS with web3 companies and the ability to facilitate the launch of groundbreaking new initiatives.

In mid-December, the EOS Network's decision to stop issuing new RAM marked a significant turning point. This move was a direct result of Denis Carriere's insightful proposal to set the RAM increase rate to zero. His contribution, marked by a clear understanding of the ecosystem's needs, played a key role in this strategic shift, as it was a significant factor in redefining the role and perception of RAM within our network. His foresight in recognizing the untapped potential of RAM has been valuable in steering our platform's growth and evolution.

Our once overlooked resource, RAM, revealed itself as a vital asset of intrinsic value, embodying the essence of a web3 native Real World Asset (RWA). This transformation resonated deeply with the community, reigniting a sense of purpose and excitement reminiscent of our network's genesis. The emergence of EOS RAM as more than just a digital asset became a unifying force, rallying the community around its potential.

This shift in perception and value of EOS RAM aligns closely with the concept of a Decentralized Physical Infrastructure Network (DePIN). It underscores the significance of decentralized, resilient, and inherently valuable assets within the broader blockchain ecosystem. Just as DePIN emphasizes the importance of integrating physical infrastructure with decentralized networks, the evolution of EOS RAM demonstrates a similar convergence of digital and real-world utility, shaping a future where blockchain technology transcends traditional boundaries.

"Innovation is the ability to see change as an opportunity – not a threat." - Steve Jobs

Building on this momentum, the RAMS project, initially a RAM-based inscription endeavor, has become a beacon of this renewed engagement. Shaped dynamically by ongoing community feedback and participation, RAMS has evolved significantly. As the value of RAM increased, so did the community's interest in RAMS, leading to innovative proposals for new functionalities, including a native chain inscription exchange and a RAM trading market. The project's current focus on integrating with a BTC L2 solution on EOS represents our network's forward-thinking approach, aligning with the latest trends in blockchain technology.

The continued minting and development of RAMS, powered by the active involvement of its holders, is a testament to the community's ability to shape the future of EOS, leveraging the unique attributes of RAM. This period in our network's history not only highlights RAM's role as a central organizing principle but also underscores the community's capability to drive innovation and growth through collaborative effort and shared vision.

As we step into 2024, our focus is on harnessing the transformative potential of these developments. Our commitment to innovation, community engagement, and strategic partnerships remains unwavering. The journey ahead is filled with opportunities for the EOS Network to redefine its capabilities and reach new heights of success.

In closing, I extend my heartfelt gratitude to each one of you for your dedication, resilience, and innovative spirit. Your contributions are the driving force behind our achievements and the exciting possibilities that lie ahead. Together, let us continue to shape a more decentralized, resilient, and vibrant ecosystem.

Onward,

Yves La Rose

Founder and CEO, EOS Network Foundation

Mission of the EOS **Network Foundation**

Overview of Q4

The EOS Network Foundation is the hub of collaboration and development on the EOS Network.

Our mission is to enable developers, businesses and individuals to build innovative solutions on EOS. The EOS Network Foundation (ENF) provides support, funds and the coordination of resources necessary to make EOS a thriving ecosystem. We harness the power of decentralization to chart a coordinated future for the EOS Network as a force for positive global change.

Through direct investments, a grant framework, sponsored working groups, and Pomelo, the ENF takes a multi-pronged strategic approach towards funding. We enable the EOS community to create positive sum games to mature EOS into a best-in-class Web3 smart contract platform and blockchain ecosystem.



It was an exciting end to 2023 for the EOS ecosystem, which reached several key milestones and onboarded a number of notable partners throughout Q4. In December, the network's technical infrastructure reached an epic 2000 days with zero downtime and over 6 million accounts created. This speaks to the hard work and dedicated contributions from community members around the world, ensuring that EOS remains a leader when it comes to network reliability.

The EOS EVM underwent a number of technological changes in recent months, with the release of EOS EVM v0.6.0 and EOS EVM Node v0.7.0 RC-2. The news around the evolving EOS EVM landscape encouraged adoption from a number of new partners, such as DappRadar. During an inscriptions event in December, the EOS EVM was stress tested and reached a mindblowing 17.65 million transactions, without any congestion issues or gas fee increase under such conditions.

The collaborative efforts between EOS Labs and ENF encouraged a number of notable new projects to engage with the ecosystem. The most significant of these was a partnership with CoinTR, Turkey's leading crypto exchange. PassPay, Japan's only licensed issuer for the Japanese Yen, also announced a strategic alliance with EOS, which will bring their stablecoin to the EOS EVM. The announcement that ESCC would be launching its own version of the EOS EVM architecture on EOS, solely dedicated to stablecoin transactions is also worth noting.

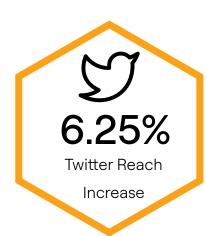
EOS Network Ventures (ENV) began to make a number of strategic investments during Q4 which include investments into Upland, Spirit Blockchain Capital and EZ Swap. The ecosystem grew in a number of other ways as well, such as the listing on Binance Japan and the new Everything EOS Livestream.

Work continued on EOS Native as well, with WharfKit improving the developer experience of EOS developers by providing them with a comprehensive collection of SDKs, APIs & other tools. Antelope development also progressed with the release of several release candidates for Leap 5.0.

The ENF Marketing & Communications department continues to evolve the ways that EOS is presented to the world. In Q4, the team updated both Twitter and Telegram for EOS. The latter of these was the formation of the EOS Global Telegram group, as a replacement for the current Discord efforts. All community members are encouraged to come to the weekly voice chats on Telegram, EOS Lounge, a place where EOS enthusiasts can connect with the ENF and other ecosystem leaders.

Notable Growth Metrics

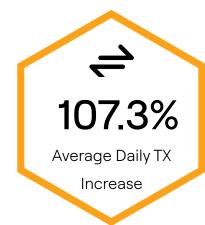
21 Digital Events











EOS EVM Updates & Ecosystem Growth

The EOS EVM underwent a lot of growth over the course of Q4, both from a technical standpoint and in the amount of dApps leveraging the EOS EVM.

The <u>integration of EOS EVM on DappRadar</u> in October encouraged adoption both from an application and user standpoint. DappRadar is one of the largest libraries of Web3 applications, indexing over 14,000 dApps across 54 chains. The platform makes it easy for users to research trending dApps, as well as access on-chain data and analytics.

The EOS EVM engineers have been hard at work on a number of advancements to the EOS EVM architecture. The first of these was the <u>launch of EOS EVM v0.6.0 on mainnet</u>, which made it possible for the trustless bridge between EOS Native and EOS EVM to support ERC-20 tokens other than EOS. The first token to be added with this new feature was EOS Native USDT, which opened up the EVM ecosystem for an improved DeFi experience.

EOS EVM v0.6.0 also introduced Cross Virtual Machine (VM) Communication, a unique feature which enables smart contracts on EOS EVM and EOS Native to call smart contracts on the opposite virtual machine. This enabled new use cases that extend the functionality of EOS EVM and leverage the strengths of both Ethereum and EOS virtual machines. Since this release, several other ecosystem tokens have been added to the trustless bridge. The current token listing process is temporarily a manual process with a permissionless version currently under development.

In December, the EOS EVM engineers <u>released the code for EOS EVM Node v0.7.0 RC-1</u>, which encompassed a series of minor fixes and the significant introduction of WebSocket support. WebSocket enables applications to maintain a persistent two-way connection, allowing for continuous data exchange. This is particularly beneficial for applications that require instantaneous updates, such as DeFi market notification tools, NFT mint tracking, and smart contract monitoring.

As excitement grew in the broader Web3 industry around inscription technology, EOS EVM came out as a leading piece of infrastructure to facilitate this use case. During an Inscriptions event on December 11, the EOS EVM saw 17.65 Million transactions, with zero increase in gas fees and no on-chain congestion or impact to other dApps.

The influx in users over the course of 2023 resulted in a large amount of EOS being accumulated through gas fees. On December 21, an MSIG was passed to withdraw 108,899 EOS from the EOS EVM smart contract, which was used to purchase approximately 1.8GB of RAM, providing additional storage for the EVM. This large accumulation speaks to the increased utility of EOS since the introduction of EOS EVM and the implications that the EVM will have on the ecosystem's tokenomics, as adoption continues to grow.

EOS Labs & Partnership Updates

The EOS Labs initiative has begun to ramp up, following its formation in Q3. Although the initiative is fairly new, it has already played a major role when it comes to ecosystem growth. Through collaborative efforts with the ENF, EOS Labs facilitated the adoption of EOS by a number of new and notable projects.

In the first two months alone, EOS Labs onboarded over 20 projects onto EOS, connected with nine exchanges that indicated their intention to support the EOS ecosystem, and four regional stablecoin projects. EOS Labs also partnered with Pomelo Grants to jointly promote the development of the EOS ecosystem and distribute the matching funds from Season 7.

Below are some of the most notable projects to recognize EOS as a partner or integrated technology stack during Q4. This reflects the growing awareness and credibility of EOS as a leading L1 solution in the Web3 industry.

CoinTR

The EOS Network Foundation and EOS Labs, leading stewards for the EOS blockchain, were thrilled to announce a pivotal partnership with CoinTR, Turkey's leading cryptocurrency exchange. This alliance is a cornerstone in our strategy to drive Web3 innovation in Turkey, emphasizing local development and global collaboration. Highlights of the partnership include synergistic market growth, a Turkish Web3 incubator launch, the CoinTR launchpad, an EOS staking pool & more. Read the full announcement.



PassPay

In November, the ENF announced a strategic alliance with PassPay, an innovative digital payments platform that will be leveraging the EOS blockchain. This will involve the development of a number of critical financial services for the country of Japan. The most notable of these is the issuance of the stablecoin JPYW, the only stablecoin licensed for the Japanese Yen. This alliance will help strengthen the EOS Network's presence in Japan and comes at a time of growing adoption for this demographic, following regulatory approval by the Japan Virtual and Crypto Asset Exchange Association.

ESCC

The EOS Stable Coin Chain (ESCC) is a groundbreaking Ethereum-based blockchain, deployed as a smart contract on the EOS Network, using a customized implementation of the EOS EVM architecture. The partnership aims to advance the EOS ecosystem by providing an optimized platform for high-speed, compliant stablecoin transactions. Together, they will offer a specialized and efficient solution for handling stablecoins, which is expected to bring significant enhancements to the EOS ecosystem. Read more.

Atem Network

EOS Labs announced a collaboration with ATEM Network in December. ATEM Network is a decentralized content creation protocol, aiming at helping creators tokenize their content and build Web3 communities. Offering a number of services, including decentralized storage, content ownership, on-chain indexing and more, this platform will play a notable role in future activities with EOS Labs.

Zeepr Labs

Zeepr Labs went live on EOS EVM in Q4, with support from EOS Labs. Zeepr is a decentralized perpetual protocol that supports the trading of mainstream financial assets with crypto collaterals. With this integration complete, EOS community members are able to use EOS as collateral for opening up positions on the Zeepr platform. To celebrate the news Zeepr ran an exclusive NFT airdrop with the EOS Community.

Ubox

Ubox is a multi-chain NFT marketplace and aggregator that serves as a gateway to Web3 and a digital oasis for users. The project deployed on the EOS EVM in November, following support from the EOS Labs team. The team hopes to explore the growing landscape of NFTs on EOS and enable new possibilities within the NFT realm. Check out their announcement to learn more.

EOS Network Ventures Investments

EOS Network Ventures (ENV), is an ecosystem initiative, conceptualized in 2022 as a way for the network to invest in projects that benefit the EOS ecosystem, while driving value generated from those investments back to the EOS Network. Throughout Q4, the ENV made its first strategic investments

Upland

In October, the <u>ENV made a strategic investment into Upland</u> of \$1.5 Million as part of a larger, \$7 Million Series A extension. Upland is a Metaverse Super App mapped to the real world that aims to bring the future of the immersive web to life. This news will play a major role in growing the Game-Fi and metaverse community on EOS, while driving demand for the network from its ecosystem of over 3 million registered accounts. Upland users are granted a full EOS account as part of its onboarding experience, which abstracts away private keys and resource management to provide a Web2 experience for user acquisition.

Spirit Blockchain Capital

ENV was excited to announce <u>a strategic investment into Spirit Blockchain Capital</u> in December. Spirit Blockchain Capital is an innovative investment firm focused on the integration of traditional capital markets and emerging Web3 technologies. This news will play a major role in enhancing the collaboration between traditional finance and the blockchain sector, helping to accelerate real xworld asset (RWA) adoption on EOS, and driving positive change within the industry.

EZ Swap

At the end of Q4, ENF strategically <u>invested \$500k into EZ Swap</u>, contributing to its successful second fundraising round in December 2023, which secured a total of \$1 million. EZ Swap is setting a new standard for gaming asset transactions and inscription technologies. This investment, led by ENV and bolstered by significant support from other major investors like IOBC Capital and Momentum Capital, will play a crucial role in enhancing the gaming asset and smart inscription protocol landscape.

Developer Relations

The Developer Relations team continued working to onboard new builders on both EOS Native and EOS EVM, throughout the fourth quarter. In addition to consistently creating new written documentation for the EOS documentation portal, the team steadily released video content for the Learn & Earn Portal. This included a video on the hidden music that blockchains make, where ENF Director of Developer Relations, Nathan James, converts the transactions and blocks on some of the most active networks into audible sounds.



The <u>release of WharfKit</u> by <u>Greymass</u> will play a major role in improving the developer experience for builders on EOS Native. Prior to this release, the ecosystem lacked sufficient tooling for those looking to quickly deploy applications. This toolkit offers a wide range of resources including SDKs, API Libraries, account creation plugins and more. In support of this release, the EOS Developer Relations department released a <u>series of videos</u> from a webinar with the WharfKit team, introducing this comprehensive suite of tools.

In December, as part of the Everything EOS Livestream, Nathan James kicked off a new <u>developer</u> <u>news segment</u>, which offers a high-level look at some of the biggest technical developments that EOS saw that month. This event also featured <u>a monthly developer challenge</u>, which offered an EOS prize for builders that completed a tutorial to deploy an EOS based project. All of these efforts contributed to a notable increase in developers utilizing EOS to build their Web3 applications.

Additional Milestones & Ecosystem News

The information covered in this report represents only a fraction of the growth that the ecosystem underwent in the fourth quarter of 2023. There are countless contributions and milestones that have been achieved by contributors around the world, all working to push EOS to the forefront of Web3 innovation. Below are some additional highlights from Q4 that the ENF is following. There are no doubt many more that did not make it into this document.

EOS Listed on Binance Japan

In November, the EOS token was <u>listed on Binance Japan</u>. This follows a much broader trend of adoption for EOS in Japan, following an announcement that EOS had been <u>whitelisted for approval</u> by the Japan Virtual and Crypto Asset Exchange Association (JVCEA). This milestone makes it easier for users across the country to acquire EOS and begin engaging with the network.



New Everything EOS Livestream

As part of the ENF's communications and marketing strategy, The Everything EOS Livestream debuted in December. This followed the sunsetting of the EOS Fireside Chat on Discord, and is a revamp of the previous event with the purpose of being more marketing focused, while still serving as a vehicle to connect with the community on a regular basis. The first episode has already received over 2,000 views, three times as many viewers as previous Fireside Chats and has had a number of smaller pieces of content released from it to maximize the impact of the event. This new event will be airing live on the last Wednesday of every month on the EOS Network Foundation YouTube.



Multisig Proposal to Stop RAM Inflation Passes

In December, changes were brought forward through <u>a community proposal to stop RAM inflation</u>. The proposal aims to halt the inflation of RAM supply in the EOS market by setting the RAM rate increase parameter to zero. This change addresses the mismatch between the theoretical and actual RAM capacities available to block producers. On December 17, <u>the MSIG proposal was passed</u> and the implications of this proposal began to be implemented.

Hypha DAO Beta Launch

Hypha DAO, a DAO toolkit built on the EOS blockchain reached a massive milestone with their Beta Launch in October. The tooling makes it easy for anyone in the EOS community to launch a DAO for their project and begin coordinating with like-minded individuals from around the world. The platform is already home to over 95 DAOs and growing steadily.

PlayZap Grows GameFi Community on EOS, Surpassing 125k Unique Active Wallets

The EOS EVM ecosystem saw a large increase in GameFi users thanks to PlayZap, a unique skill-based competitive gaming platform crafted meticulously for the casual gamer in all of us. Notably, the ecosystem reached an epic 125,000 unique active wallets and 250,000 transactions in the month of December. This speaks to the growing popularity of EOS EVM as the go to ecosystem for GameFi use-cases.

EOS In the News

Events



Awareness for EOS grew through the fourth quarter of 2023, with coverage by popular Tier 1 & Tier 2 publications. Below are some of the most notable features, with many more that did not make it into this report.



CoinTR Joins Forces with EOS to Lead Web3 Innovation in Turkey

EOS EVM Releases Trustless Bridging of USDT From Native Layer



EOS Network Announces Strategic Partnership with ESCC to Bolster the EOS Stablecoin Ecosystem

<u>Spirit Blockchain Capital Secures Major Funding Round from EOS Network Ventures and Prominent Investors</u>



CoinTR Partners With EOS to Enhance Web3 Disruption in Turkey

Spirit Blockchain Capital Secures Key Investment from EOS Network Ventures in Latest Funding Round



Examining 5 Ethereum Virtual Machines (EVMs) Up Close

The EOS Network Foundation events team has been working to raise awareness for the EOS community at events around the world and online. The most notable event in Q4 was the Building Web3 in Turkey Together event with CoinTR, where EOS announced its <u>partnership with CoinTR</u> and met with leading industry professionals from the Turkish crypto industry. Read more about each event in the links below.

In Person Events

- Building Web3 in Turkey Together November 28, 2023
- Upbit Developer Conference November 13 2023

Online Events

- DAO Adoption October 3, 2023
- Demystifying DevRel October 5, 2023
- Exploring Web3 Trends With Dapp Radar October 17, 2023
- How SocialFi Realized the Decentralized Social Future of Web3 October 19, 2023
- Interoperable Defi Panel October 24, 2023
- The Development of Multi-Chain Ecosystems October 26, 2023
- Returning Value to the End User October 31, 2023
- Future of SocialFi November 7, 2023
- Building Community in Web3 November 9, 2023
- The On-Chain Gaming Surge November 10, 2023
- Bitcoin ETF Discussion November 15, 2023
- Improving the UX of Web3 November 17, 2023
- Gains and Losses of Istanbul Blockchain Week November 26, 2023
- Design Considerations for Privacy in Web3 November 30, 2023
- Winter Carnival Space November 30, 2023
- HTX Live December 7, 2023

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- Why SocialFi FOMO December 10, 2023
- Let's Talk About Public Chains December 12, 2023
- Inscription Discussion With Jubi December 20, 2023
- EOS AMA With CoinTR December 22, 2023
- Inscription Discussion With Webase December 28, 2023

Technical Development

The ENF's engineering team has continued their dedicated work in maintaining both the core protocol and the EOS EVM. Below are some of the biggest technical highlights from Q4.



The EOS EVM underwent a number of technical updates over the course of Q4. The first major development was the launch of EOS EVM v0.6.0 on mainnet. This release brought the components EOS EVM Node and EOS EVM RPC from the eos-evm repository into its own repository: eos-evmnode. In addition, it brought new functionality to the trustless bridge, enabling support for ERC-20 tokens other than EOS, starting with USDT. This was made possible by the addition of two new mechanisms, bridge mechanisms and call actions. Read more about the changes implemented in EOS EVM v0.6.0.

Following the release of EOS EVM v0.6.0, the EOS EVM engineers released several smaller patch releases to bring performance enhancements and bug fixes. In December, the team released the first release candidate for EOS EVM Node v0.7.0, which brought critical functionality through the addition of WebSocket support. This feature allows developers and users to establish real-time communication channels with the blockchain network. A second release candidate was released in late December and v0.7.0 went officially live on mainnet the following month. Read more about the features that EOS EVM Node v0.7.0 added here.

Trustless Bridge Token Support & Updates

The EOS EVM Trustless Bridge saw several updates through the last three months of 2023, first with the release of the Trustless Bridge Frontend v0.9.0. This update introduced the ability to seamlessly transfer USDT (EOS) tokens between the EOS Native environment and the EOS EVM environment using a simple user interface.

In November, the Trustless Bridge Frontend v0.10.0 was released. This expanded the functionality of the bridge's user interface to support sEOS, BOX, and USN. It also brought enhancements to EVM wallet connection functionality. The current token listing process for the trustless bridge is a temporary manual process with a permissionless version currently under development and expected to launch in early 2024.

Leap Updates

The ENF engineers brought a number of improvements to Antelope Leap, the underlying codebase of EOS Native throughout Q4. A stable release of Leap v4.0.5, as well as Leap v3.2.5 brought a security update and an important change to ensure encoding compatibility between API nodes across multiple versions of Leap.

More notably a number of RCs were released for Antelope Leap 5, which added key features for EOS Native developers. This included a default option to automatically apply EOS VM OC to reduce system CPU, P2P config options, BLS12-381 elliptic curve crypto primitives and more. Improvements of these new features included relaxed constraints, increased speed, efficiency improvements and control enhancements. Leap 5 moved out of the release candidate stage and went live on mainnet at the start of 2024.

CDT 4.0.1

Contract Development Toolkit (CDT) is a C/C++ toolchain targeting WebAssembly (WASM) and a set of tools to facilitate development of smart contracts written in C/C++ that are meant to be deployed to an Antelope blockchain. This release fixes MacOS builds, updates integrations with Leap, and removes the previously unused "antler-proj" library. Read the full release notes here.



















The <u>launch of WharfKit</u> by Greymass was one the most exciting milestones for the Antelope community in Q4. WharfKit is an SDK toolkit, funded through an RFP by the Antelope Coalition, that brings much needed tools to builders on EOS and other Antelope powered chains. Until its release, Antelope has been a complex ecosystem for new builders to navigate due to a lack of resources for those who are unfamiliar with this developer environment.

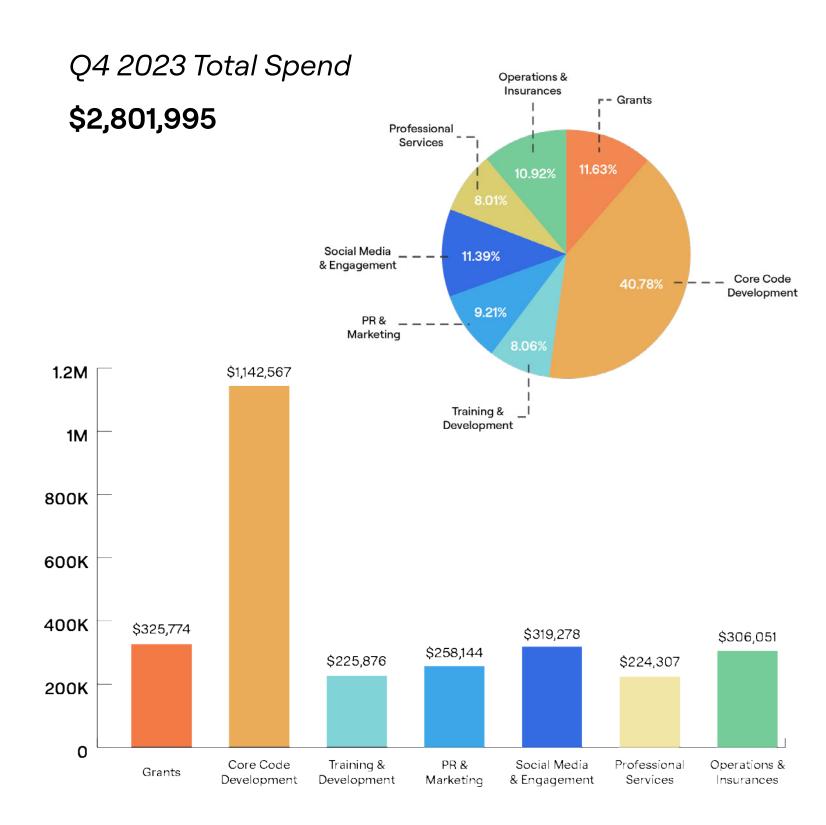
All of that changes with WharfKit, which brings a number of tool kits including session kit, contract kit, account kit, resource provider specifications and more. It also features core libraries, account creation plugins, API libraries, utilities and other powerful resources. With WharfKit live, the Antelope ecosystem is more accessible than ever and now has an amazing resource for both new and veteran developers. All of this will position the EOS ecosystem for an explosion of innovation unlike ever before. Learn more about WharfKit.

Instant Finality

Payments <u>were released</u> to the UX engineering team following the completion of work related to the Instant Finality RFP. The ENF engineers have continued implementing these features into Leap 6, with the code estimated at being complete by approximately the end of April. It's important to note that this is the date for the initial code release, not the deployment on mainnet, which will take place after a period for testing and ensuring the code is stable. <u>A prototype of the updated design</u> was recently finalized, showcasing the ability for transactions to reach finality in 1.5 Seconds on a globally distributed network.

WAX Integrates Power Up Tokenomics

The <u>WAX team reimplemented new tokenomics</u> on WAX using Power Up and underwent a security audit for these feature changes. This upgrade optimizes the economic sustainability of the ecosystem, while at the same time incentivizing users to transition to PowerUp. This aligns the ecosystem with a more efficient and self-sustaining financial model.



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Ecosystem Partners

The ENF is grateful to have a robust ecosystem of partners and community contributors all working to grow the EOS Network. Partners working with the ENF in Q4 include.

































EOS 2024 Roadmap



- EVM v0.7.0
- Leap v5.0.0
- Trustless Bridge Manual Token Registration Support
- RAM Intensive Transactions Intergrated Into Gas Fee Algorithm
- RAM Transferability



- EOS EVM v1.0.0
- Leap v6.0.0 RC-1
- Dynamic Gas Fees Intergated into Gas Fee Algorithm
- Trustless Bridge UX Refresh
- EOS BTC L2 MVP & Whitepaper
- Instant Finality Development
- Turnkey Node Configuration