



2022 Q3 Report

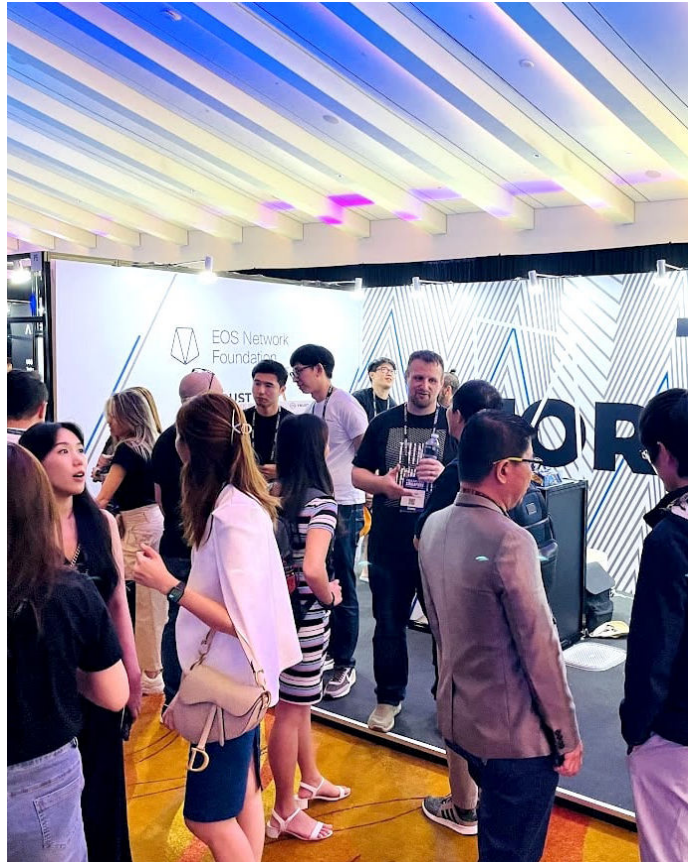


EOS Network
Foundation

OUR MISSION

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, Eden(s), 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.

THE NEW EOS

August 25 marked the first anniversary of the creation of the EOS Network Foundation (ENF). The ENF was born out of the community and the EOS network consensus process to enable businesses, developers, and individuals to build on the EOS Network.

The tech underlying the network is strong. The network has experienced zero downtime in the last four years. And no other chain has been able to reach the performance benchmarks of EOS, capable of 125 million transactions per day, more than Bitcoin and Ethereum in a full year.

Very few L1 chains have four years of battle-tested tech like EOS. However, in the past, everything else that goes alongside the tech was missing for our community. But that has changed dramatically in recent months. The ENF laid those foundations, putting the necessary systems and initiatives in place so that they can scale as our ecosystem grows.

We are providing both financial and non-financial support for public goods for open source code. As ENF initiatives take form, stakeholders can see that the past is very different from the direction of the last year.

Everything the ENF does, we do strategically and resiliently. Every bet we make or initiative we undertake is tactical. The overall market is more receptive to what we're doing, and our core adaptability and frugality are starting to pay off. It is The New EOS.

EOSIO Re-branded to Antelope

EOS's ascent to independence is a choice. It is not a fixed state but a perennial act of becoming. The blockchain industry never stands still, and neither can we. For our many stakeholders, this is a major accomplishment that is foundational for growth. A new era of community-led development is upon us.

In the face of a codebase all but abandoned by the original maintainer, with thousands of unresolved issues, EOS community engineers led by the EOS Network Foundation (ENF) forked the stable EOSIO 2.0 code into a new repository in early 2022.

After working with a branding and design agency for several months, representatives of the blockchains built on the EOSIO software [announced “Antelope” as the new name and brand](#) for the underlying protocol which they are all built upon to take ownership of the codebase they share.

We advance on several fronts simultaneously. Our talented coalition engineers work alongside Object Computing (OCI) and other contributors throughout the ecosystem. On the backs of these successes, we look to the future. We aim to expand DAO tools, unite multiple chains through Trustless IBC, develop a DeFi-focused liquidity incentive and rewards program, lead the industry with our Trust EVM, and expand engagement through community ideathons and hackathons. And the pace is not slowing.

None of our efforts would be possible without an extensive, united community. The EOS community is unlike any other in the blockchain space, full of battle-hardened, big-hearted champions who have persevered against all odds. And with their consensus, we leap forward.

EOS Independence Day

On Wednesday, September 21, 2022, months of intense work paid off when block producers executed a multi-signature transaction that declared EOS’s independence. This transaction activated new protocol features, and any nodes running the old codebase could no longer sync with the network. However, unlike software hard forks on ETH or BTC, the EOS network remained a single chain.

With the consensus of their respective chains, through collaboration and strategic investment, the new Antelope coalition funded the development of network upgrades

long-requested features.

The Leap v3.1 release incorporates these upgrades into the first independently controlled release of EOS's core software and represents a rapid acceleration in core development on EOS.

Leap includes powerful tools and options to improve the functionality and user experience on EOS and other Antelope-based blockchains. As of September 21, block producers on EOS updated the core software package and activated new features. finally reach its full potential. With

the completion of this upgrade, the EOS Network is making its first strides into self-sovereign protocol development, allowing the most powerful software stack in Web3 to finally reach its full potential.



GO-TO-MARKET STRATEGY

Zaisan Partnership

In order to develop a comprehensive conference strategy, the ENF has entered into partnership with Zaisan. They will assist in providing outreach and industry insight across the technology industry.

The first part of Ziasan's multi-pronged strategy involves a partnership with Gartner research to provide analytics, insights, and strategies based on deep industry research. The partnership will familiarize Gartner with the Antelope tech stack, making it easier for them to guide enterprise clients to the EOS and Antelope ecosystems. They will also provide the ENF with powerful insights into the needs and pain points of potential users.

The second piece of Zaisan's strategy is to put feet on the ground at conferences in Europe and later across the world. Conferences are the touchpoints of any industry and this is particularly true with globally distributed industries like blockchain. These relationships, professional connections, and shared experiences are pivotal to participating in the space.

In addition to general marketing focused on Europe, Zaisan provides planning, copy, and outreach for conferences, with existing commitments expected to reach 234,000 attendees.

The third part of Zaisan's plan is to leverage the contacts and connections they cultivated and follow up with recommendations and guidance for building on the EOS blockchain. Many VCs and product owners are familiar with EOS software, but the lack of support for system integration historically limited institutional adoption. Zaisan will help businesses through the process and deploy their GDPR compliance expertise in Europe. Zaisan brings much-needed structure to EOS's outreach initiatives.

Since the EOS mainnet launched in 2018, EOS has not had major representation in the

global blockchain conference circuit. This has drastically changed beginning in Q3 2022 under the leadership of the ENF. In Q3, EOS had a boots-on-the-ground presence with exhibits, sponsorships, and keynote speakers at four global conferences with many more planned in Q4. The ENF will continue making significant investments into in-person events to continue building industry relationships and sharing The New EOS with the wider web3 community and beyond.

One of our highest priorities is to engage with the wider blockchain and technology industry at these events.

2022 Conference Calendar:

EOS Network Foundation			2022 Conference Schedule
	Dates	Event	Location
September	12th - 14th	Gartner Security & Risk Management Summit	London, UK
	20th - 21st	TECHEX / Blockchain EXPO Europe	Amsterdam
	21st - 22nd	W3 Vision / DMEXCO	Cologne, Germany
	28th - 29th	TOKEN2049	Singapore
October	6th	DeFi Conference 2022	Belfast, Ireland
	10th - 13th	Future Blockchain Summit	Dubai, UAE
	26th - 27th	Blockchain Expo	Zaragoza, Spain
November	1st - 4th	Web Summit 2022	Lisbon, Portugal
	7th - 10th	GARTNER IT/ Xpo Symposium	Barcelona, Spain
	9th - 10th	TOKEN2049	London, UK
	21st - 22nd	Gartner IT Infrastructure, Operations & Cloud Strategies Conference	London, UK
	28th - 29th	DCENTRAL Miami	Miami, USA
December	1st - 2nd	TECHEX Blockchain EXPO	London, UK

COMMUNITY FUNDING

Pomelo Season 3

Pomelo is an open-source crowdfunding platform inspired by Gitcoin to fund EOS-based projects using a quadratic mechanism to multiply community contributions. Quadratic Funding (QF) has proven to be the mathematically optimal way to fund public goods within a community. It gives greater weight to the number of unique contributors when it determines the actual amount funded. With the magic of quadratic funding, more funds go to grants with more unique donors.



Pomelo held its third season in Q3. The ENF has historically supported Pomelo, which allows the EOS token holders to dictate how public goods funds are allocated, rather than the ENF itself. The ENF donated \$350,000 to the current season, which, combined with other matching funds and direct contributions, brought \$484,592 of funding to public goods on EOS. Pomelo has raised a cumulative total of \$2,182,185 for public goods in its first three seasons across widely variable crypto market conditions. The enthusiasm and appreciation among the community for Pomelo demonstrates the power of quadratic funding. As the platform's primary matching partner, the ENF has profoundly empowered Pomelo to help the community bootstrap initiatives like HyphaDAO, among more than 170 others.

One challenge of quadratic funding is that it is susceptible to individual users with

multiple accounts through a Sybil attack. To combat this, the Pomelo team tracks metadata and other trends to identify suspicious donation patterns. After a thorough analysis, Pomelo disqualified six grants, three of which were banned from the platform in the future due to irrefutable evidence. In addition, after collapsing all suspicious donations into one, nine grants had their matching allocation reduced by 84% or more, and five had their matching allocation reduced by 37% - 79%. While harsh, these steps emphasize the team's level of scrutiny, and they must ensure that dishonest actors do not circumvent the quadratic formula that underlies the system.

Pomelo Season 3 Statistics



172

Approved
Grants



\$118,406

Total Dollars
Raised



1314

Unique
Contributors



\$366,186

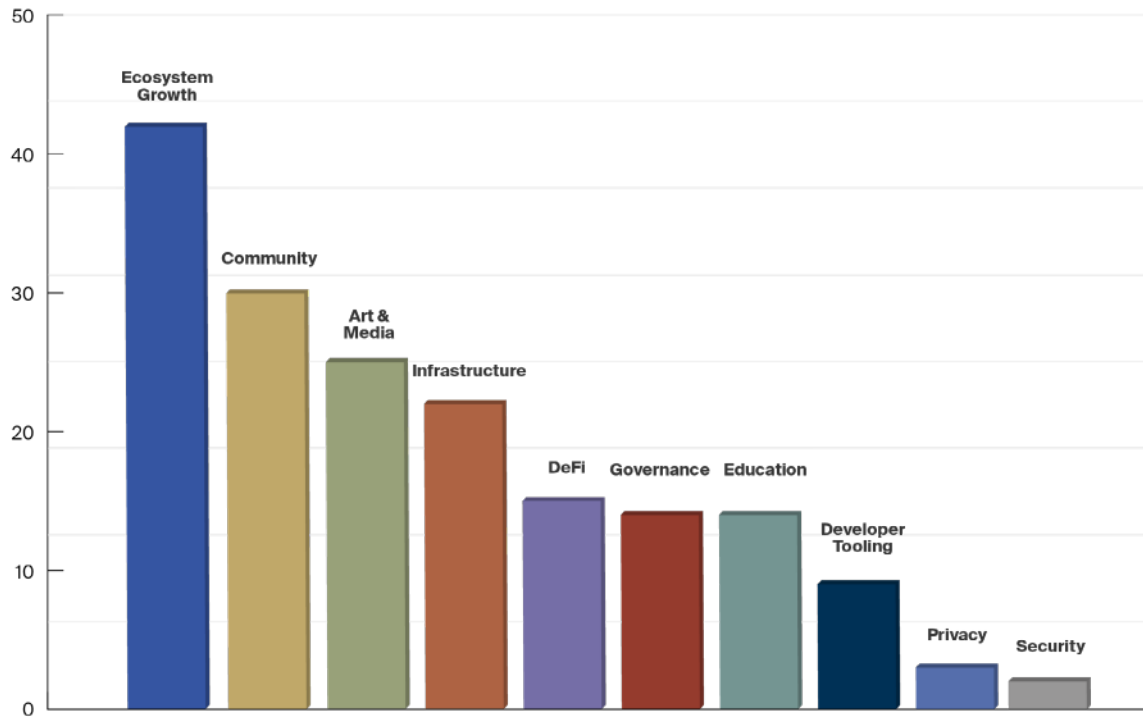
Total Dollars
Matched



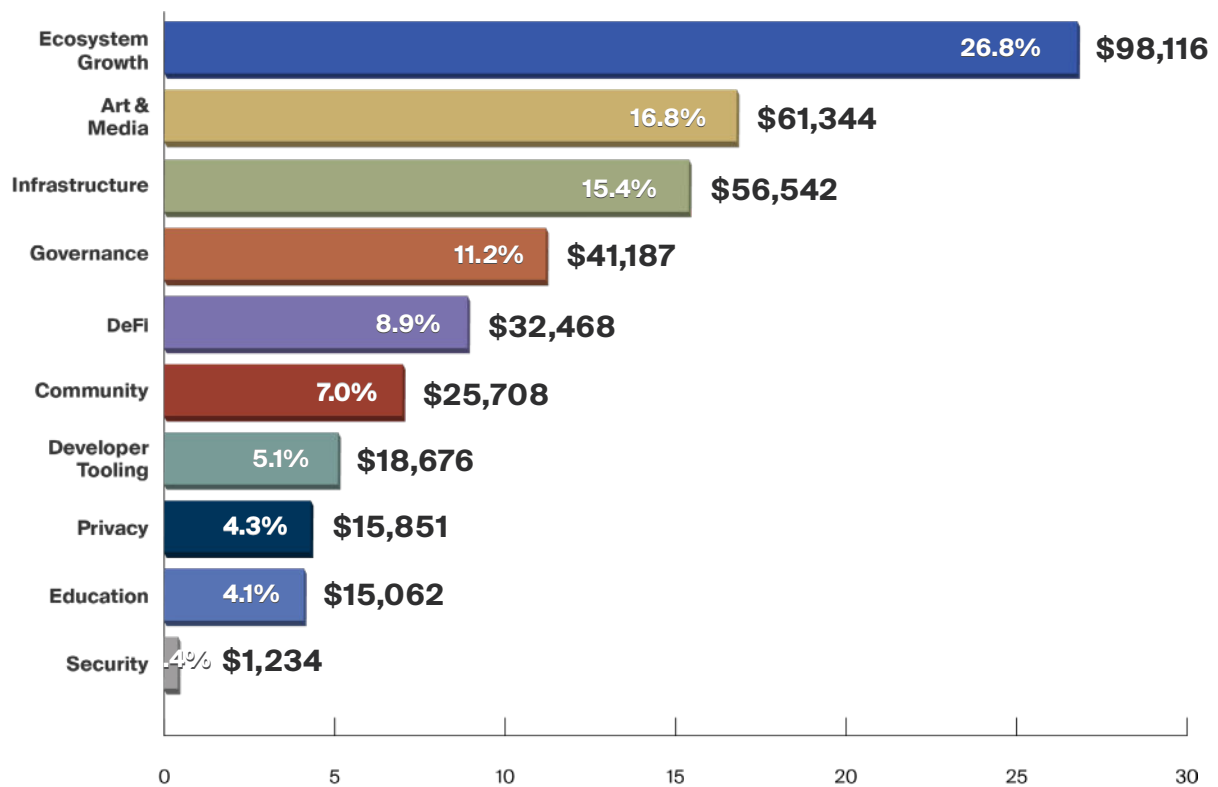
\$350,000

Direct Contribution
from ENF

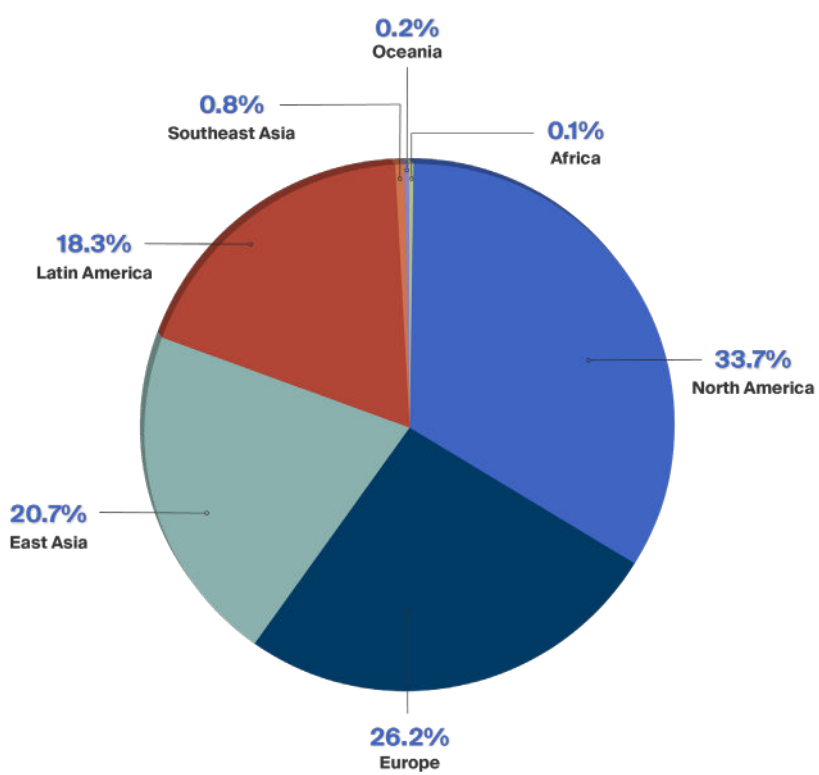
Number of Grants based on Categories



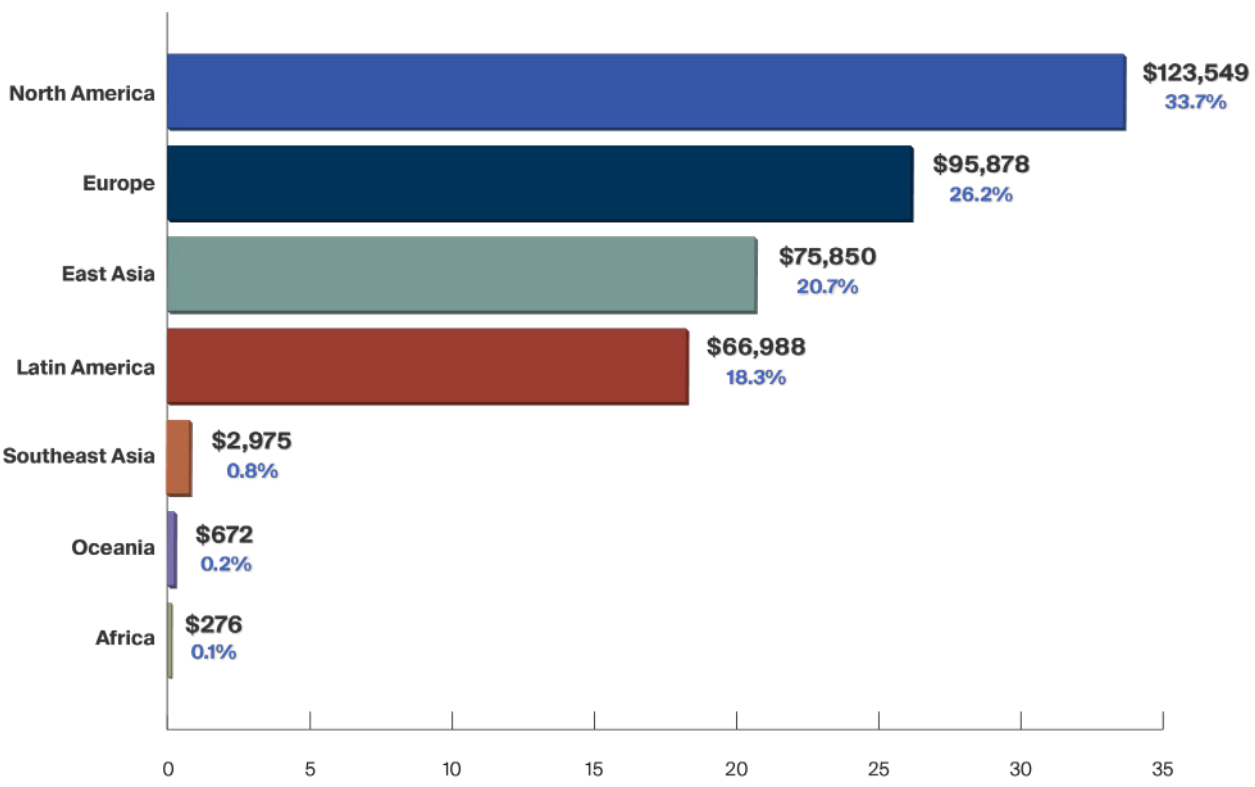
Amount Distributed based on Categories



Contributors based on Region



Amount Distribution based on Region (USD)



Direct Grant Framework

The ENF empowers developers, businesses, and individuals who wish to build on EOS. At the start of Q2, the ENF [launched its direct grant framework](#) to kickstart a new era of development. It gives those wishing to build on EOS access to an efficient, transparent, and milestone-driven grant framework previously unavailable to network participants.

The ENF Grant Framework is open to individuals, small teams, and companies, with grants scaled to fit the scope of each initiative. All forms of projects are encouraged to apply for grants.

Grant categories include Core Antelope Chain / Sub-modules, Development Tools, UI Development, Backend Development, and Cryptography. Grants are available to both “for profit” and “public good” entities, with the goal that all grants will benefit the EOS ecosystem.

Since launching the direct grant framework, the ENF has approved 13 milestone-driven grant applications and continues to evaluate new proposals on an ongoing basis. The third quarter saw 16 grant applications being submitted with 5 being approved for milestone-based grants.

The ENF will maintain communication with the EOS community as projects begin to move through the application process, receive funds, and reach milestones. We are at the cusp of a new era in development on EOS and are proud to be part of such a steadfast and resilient community.

Approved Direct Grants in Q3

Antelope Smart Contract Developer's Handbook

Team : Zaisan

Knowledge sharing and best-practice guides have been lacking in the Antelope ecosystem for the past four years. This book aims to change that situation so new

developers can start working with the Antelope software as efficiently as possible.

NFT Collection Manager Stage 1

Team : FACINGS, Inc.

FACINGS will provide an easy-to-use open-source NFT Creator solution for EOS. A functional collection manager designed for play to earn and GameFi on EOS captures a large void that EOS cannot afford to ignore. FACINGS also hopes to level the playing field for EOS by improving on tools and encouraging members of other chains to create on EOS in the future.

The FACINGS NFT collection manager will be an open-source alternative to the other choices, AtomicHub and Nefty. It will be fully functional and represent the “reference implementation” for the AtomicAssets standard across the EOS family. On top of the core functionality, their proposed toolset will enable collaborative workflows. It will add the ability to work on drafts and review your entire collection before publishing.

FACINGS leverages the existing Atomic standard to produce and seamlessly manage feature-rich NFTs, and creates a launchpad for gamification on any Antelope-based chain. EOS has the opportunity to be a big player in a game market that struggles to find operating chains that perform well enough to facilitate decentralized NFT ownership. The market is ripe to take the next step, and EOS is poised to be the platform.

NICE1 Tools Ecosystem

Team : Nice1

The Nice1 tools ecosystem is a project that offers tools for developers through plugins for the main IDEs in the market. These tools allow developers to implement NFTs with free terms of use, simple integration, and no-fee transactions between players and creators. This project fits between developers and players, enabling developers to take full control of their creations and develop new business models. Nice1 gives free access to the management of video game licenses, skins, and assets, allowing them to sell, exchange or donate among gamers. This tool is a powerful value-add for game devs, gamers, blockchain developers and other players in the video game industry.

Verifiable Credentials for the Antelope SSI Toolkit

Team : Tonomy Foundation

SSI allows personal data storage in a decentralized way (on the user's device) which does not compromise the user's privacy and allows participants to build accountability solutions around it.

SSI stores credentials and other identity data on the user's phone or connected device. This sovereign data is then fully under their control and sent directly to other users when and only when needed, meaning users have consent by default over data sharing. Participants can use this data inside the app or directly with other applications.

By creating this standard format, credential data can be verified in the same format worldwide on all different types of devices, no matter what blockchain they use.

Verifiable credentials (VCs) are a W3C standardized data model. The main standard VCs rely on is the decentralized identifier (DID). The W3C upgraded the DID standard status on June 30, 2022, and signified that the W3C has endorsed the DID standard after significant consensus between its members.

Antelope Verifiable credentials align the Antelope ecosystems with the W3C data model, and prepare them for integration into enterprise and state-level systems. Sharing credential data directly from one Antelope account to another, without a third-party service to verify that data, requires less infrastructure and allows Antelope chains to scale effectively.

EOS VISIONS

Team : Creamy Vanilla C.A.

EOS Visions supports both EOS and EOS-related projects on Reddit and Facebook, targeting journalists, crypto users, and new users on EOS and Antelope.

EOS Visions engages with users on Reddit and Facebook daily. They use these networks to help the general public learn about EOS and its dApps, ecosystem and development. EOS Vision will work actively in these social networks and share relevant information.

ECOSYSTEM INVESTMENTS

HyphaDAO

HyphaDAO is an Antelope-based application that leverages blockchain technology to provide all the key building blocks for organizations to govern effectively, manage capital, compensate, and coordinate to achieve their goals in a transparent and decentralized way.

The ENF has announced an \$850K grant to bring Hypha and their “Organization-in-a-box solution” to EOS. This grant will greatly accelerate Hypha’s further product development, help fuel a powerful roadmap of new advanced features, and provide a welcome home base for Hypha to create the thriving network of innovative ventures they have long envisioned.



Thanks to this tooling from Hypha, organizations that wish to build on EOS can access a robust suite of tools to structure and manage their Decentralized Autonomous Organizations (DAOs) while they pursue new opportunities for cooperation. EOS members will access Hypha’s DAO solution via a range of attractive price plans, including a freemium option, to start their own DAO journeys.

As part of the agreement with the ENF, Hypha will add the Eden Democratic Process as a governance setting in its voting module, so all new DAOs using Hypha may elect to use an

Eden governance process. The Eden process is a unique, game theoretical approach to periodically selecting leadership. The process resists capture by special interests using randomness, consensus-building, and a bottom-up approach.

At the same time, thanks to the high performance of the blockchain and the Eden governance process, the EOS network can become an oasis for organizations that want to build and grow within a fully featured DAO ecosystem. It's not hard to imagine that these advancements can catalyze an explosion of decentralized exponential growth within the entire EOS network and beyond.

.gems

As part of our community engagement initiative, the ENF continued our strategic partnership with .gems. The .gems team engages in community initiatives, such as forum moderation, live Twitter Spaces events, the weekly EOS Fireside chats, video edits, live streams, and the POP token participation NFT incentives.

The weekly EOS Fireside Chat is an open-ended all-hands meeting for the EOS community. From core protocol developers and Dapp owners, to passionate community members and everywhere in between, all parties get the opportunity to share their perspectives and ask questions. This event allows anybody to engage with the top EOS ecosystem players. The Fireside chat exemplifies engagement and transparency and should serve as a model for the rest of the blockchain industry.

The .gems team organizes and hosts these events and uses non-fungible proof-of-participation (POP) tokens to incentivize active engagement in the chats. People can use these tokens to enter a monthly raffle, which rewards users with EOS-backed NFTs with real financial value.

.gems also hosts Twitter spaces, which are less participatory than the Discord-based Fireside Chats but can draw in EOS veterans and the EOS-curious alike. Twitter is a

critical method of outreach that allows even casual observers to get a nuanced view of the EOS ecosystem.

The .gems team edits these videos and clips powerful or informative media to share on Youtube.

This work is essential to provide informative and participatory engagement across the EOS landscape. These community events enable collaboration, community feedback and encourage the cross-pollination of ideas.

EOS Support

EOS Support serves as a concierge that provides service and technical support for users and customers of the EOS Network. Community members independently created the organization with a focus on issues related to onboarding new community members. They feature a support ticket system and 24/7 live chat across multiple languages. In addition, EOS Support coordinated with exchanges and other node operators to ensure the Leap 3.1 transition went smoothly. The ENF also integrated the EOS Support chat bot into our website to provide a trustworthy source of customer service, which is particularly useful in a blockchain environment.

The ambitious goals of EOS Support include a variety of technological developments and improvements that require more capital than grants from EdenOnEOS and Pomelo have funded. Because of this, the ENF has extended the current working contract to supplement EOS Support's growing needs. We view this as a way to accelerate the rapid growth and maturity of the platform and as an expression of continued confidence in the quality and reliability of EOS Support. This contract reflects the vital value that they bring to the ecosystem. As part of the extended contract, the EOS Support team will be able to ramp up its existing services and knowledge base while allowing them to develop the platform further.

EVMxIdeathon Hackathon

With renewed energy and enthusiasm in the EOS ecosystem, an EOS community-led Hackathon combo is underway: The EVMxIdeathon. A collaboration between the EOS Network Foundation and Helios, the EVMxIdeathon is an eight-week event that covers two main tracks. The first is an ideathon, in which participants put together the business logic and use cases for a powerful EOS-based product. The second is a separate EVM hackathon focused on the “GameFi” or “play-to-earn” models that so clearly need a high-performance, low-cost, low-latency chain like EOS and its new Trust EVM.

The ideathon features five categories: DeFi, GameFi, Gov3, Web3, and social good. The whole event will award \$125,000 in prizes across 52 projects. Helios handles operations and execution, while the ENF provided a prize pool of \$75k for the Ideathon and Trust EVM contributed \$50k for the EVM hackathon.

The EVMxIdeathon follows the DoraHacks hackathon, which awarded a grand prize of \$5k each to The Wake and Fabwelt, a second-place finish of \$3k each for Galactic War, FootEarn, and Moverse, and smaller prizes for nine other projects.

Hackathons are a powerful way to energize the community around technology and offer developers the chance to explore new tech and powerful new business opportunities. The goals of the EVMxIdeathon are to raise awareness of the EOS Ecosystem, to discover new talented teams and ideas, and to inspire and empower the next wave of dApp developers to build amazing applications on Trust EVM and EOS.

Longterm OCI Partnership

Object Computing, Inc (OCI), veterans of the Antelope ecosystem as some of the earliest developers of EOSIO, helped empower the EOS Network’s transition to independence with the new Leap release.

OCI is a valued partner and a global technology consultancy with a considerable array of blockchain developers deeply familiar with the EOS codebase. With partners like Google, Intel, and AWS, and with over 27 years of industry experience, OCI serves many globally recognized businesses like NASA, Rio Tinto, Bayer, and Motorola.

On the heels of their successes with Transaction Lifecycle improvements and their pivotal contributions to the Antelope Leap v3.1 implementation, the ENF and OCI have entered into a 2+ year, multi-million dollar contract with no end in sight. OCI's goal is to collaborate to make EOS the most performant and easy-to-use blockchain, focusing on scalability, security, and speed.

The ENF began its partnership with OCI early on, working in parallel with its internal engineering team to accelerate the development of the community-run Antelope protocol. Most core protocol developers familiar with the EOS codebase hail from the ENF or OCI. With the pair now committed to working together for the benefit of the network long term, EOS and the wider Antelope ecosystem are on solid footing.

WORKING GROUPS

Yield+ Launched

Yield+ is a liquidity incentive and rewards program designed to attract DeFi dApps that generate yield for dApp users. If qualified Yield+ dApps participate, the program rewards them with EOS based on the true TVL (Total Value Locked) in eligible EOS or Tether (USDT) liquidity.

The launch of the Yield+ Incentive program marks a major milestone that increases opportunities to reward dApp developers and earn yield for EOS users. A method that directly measures and rewards increased economic activity on EOS can attract and retain an interest in the entire ecosystem, and the Yield+ team has delivered on that goal.



The Yield+ pilot phase went live on August 28 and began distributing daily rewards to top DeFi protocols, offering new yield opportunities on EOS. Since its launch, more than a dozen protocols have joined the Yield+ program with a combined TVL of nearly 20 million dollars. Hundreds of EOS tokens are now being rewarded to these DeFi protocols every day as part of this beta phase. This is visible on the DeFi dApps page of TokenYield.io. You can also see the liquidity overview across each protocol on this site.

Recover+ Launched

The Recover+ working group was established in Q1 and led by the team at PIZZA DeFi. The goal of Recover+ is to create a crisis management framework for EOS with deliverables such as the development of emergency contracts, protocols, best practices guides, FAQs, and advice on who to contact for help and support immediately after an exploit occurs.

The Recover+ team published their Blue Paper in Q2, which examined how to build an asset recovery framework for hacking incidents using the DPoS governance system of EOS. This document also established the product logic and functionality for the EOS Recover Portal.

Throughout Q3, the Recover+ working group continued development on its recovery program on EOS through milestone-based funding towards an on-chain reporting functionality, testnet rehearsals, and an InsuranceDAO. The [EOS Recover Portal](#) was successfully launched in Q3.

After witnessing billions of dollars lost in DeFi from hacks and exploits over the years, the ENF believes that DeFi 3.0 will have an insurance layer to reach massive adoption, and Recover+ will spearhead this effort on EOS.

Trust EVM

The Trust EVM is the first Ethereum Virtual Machine (EVM) to offer the high performance and uptime of the EOS blockchain, with full Ethereum ecosystem compatibility, including Metamask, RPC endpoints and Solidity libraries. Initial benchmarking indicates over 800 swaps per second, which makes it orders of magnitude more performant than the next fastest EVM and even native Solana. And unlike Solana, Trust EVM is built on top of a blockchain that has experienced no downtime or block reorganizations after four years of battle-testing.

EOS remains the most scalable and performant blockchain in production today. Trust EVM can instantly remedy the chain's previous issues with developer tools, and provides instant access to open source code libraries, SDKs, and popular toolkits such as Hardhat and Truffle. This paves the way for rapid adoption.

Tests have been underway throughout Q3 on the Jungle4 testnet as Trust EVM prepares for a Q1 launch.

As part of this final push toward launch, Trust EVM deployed additional resources to help fund hackathons for Trust EVM, including the Dorahacks hackathon and EVMxIdeathon.

ANTELOPE COALITION

In the early half of 2022, the ENF led an unprecedented show of cross-network collaboration when it established an EOSIO+ working group to help fund, organize, and prioritize the future of the software. After months of planning and deliberation, this working group evolved into the Antelope Coalition with EOS, Telos, WAX, and UX Network representatives.

On April 8, the coalition made a public commitment to invest \$8m in annual funding towards the advancement and continual development of the Antelope protocol. The coalition's shared treasury provides significant cost savings to the EOS Network because it shares costs across multiple chains and taps into a much wider talent pool than within EOS. The Antelope protocol unites the coalition. The synergies and mutually beneficial development between chains will supercharge these blockchains into the future.

Instant Finality and IBC Funding

The EOS blockchain is one of the most performant in the industry, with block times of 0.5 seconds per block. However, the consensus algorithm requires an entire round of verifications to achieve finality, which takes approximately 180 seconds. This version of finality differs from finality on Bitcoin and other similar chains, which achieves statistical finality with between 10 and 30 confirmations, depending on the user's risk tolerance. EOS achieves true finality after enough validations, which allows dramatic reductions in finality time.

In Q3, the ENF created a request for proposal (RFP) on behalf of the Antelope Coalition to reduce finality time on EOS. This would make EOS the fastest blockchain with the lowest time to finality. This rapid finality is one of the key enablers of smooth inter-blockchain communication between Antelope chains.

The initial bid for Instant Finality came from Origin. For some years now, Origin has been developing a Trustless IBC (Inter-Blockchain Communication) solution, which they are uniquely qualified to deploy. Given a choice between Instant Finality or Trustless IBC, Coalition member chains couldn't agree on the most urgent development priority. WAX preferred IBC, Telos leaned towards Instant Finality, and EOS wanted both. Weighing these options, the ENF stepped in and proposed a solution. Instant Finality and IBC together produce benefits that either one by itself would not. They create a synergy, a 1+1=3 scenario with clear advantages for EVM, DeFi, and more.

Origin agreed on a 24-month, milestone-based release schedule, paid in EOS, TLOS, & WAX. The coalition agreed to pay \$3.8m worth of native tokens for Instant Finality and IBC, with payments released upon the successful completion of each milestone. The contract includes end-to-end maintenance, operation of Firehose (dfuse) for one year, and a 24-month SLA (Service-level Agreement).

Web Client SDKs Funding

The Antelope Web Client SDK RFP was awarded to Greymass in Q3. It will help developers create applications, services, and tools that integrate with Antelope. The project will create a complete framework to build web applications that utilize Antelope-based blockchains. The suite of SDKs and tools within this framework will give applications access to native Antelope data types, API access to read and write data, authentication with external users through their wallets, and the flexibility to adapt to the custom needs of each network and application.

This product suite will consist of several individual layers designed to provide a cohesive Antelope experience for both users and developers. The suite will include:

- Antelope Starter Kit
- Antelope Client Library
- Antelope Client Library Plugins
- Antelope Core Library

- Antelope Core Library Extensions
- Brand/Website/Identity
- Specifications and Standards

Multiple members of the Greymass team have worked on client-side development for blockchains since 2016. Greymass was formed in 2018 to push these technologies further and create the tools required for an excellent everyday user experience. The team has created multiple core-level SDKs, created one of the most popular client applications (Anchor), and prototyped solutions for many users' daily hurdles.

Scalability+ Blue Paper

Scalability+ is a working group collaboration between members of the Antelope Coalition. This group aims to research the current status of Antelope technologies and to outline a path towards improvements that could be made to ensure better horizontal, vertical, and operational scalability of Antelope networks. The goal of this is to meet the demands of growing web3 application adoption.

The Scalability+ Blue Paper was published in Q3, offering an overview of where the working group believes there are weaknesses in the current ecosystem and a detailed breakdown of their recommendations going forward. The intent of the recommendations are to ensure that the Antelope ecosystem can support rapid growth of active wallets and adoption of new web3 applications being deployed and operated. Some of the core focuses of the Scalability+ Blue Paper are instant finality, trustless cross-chain IBC, and RAM limitation fixes.

ENF TECHNICAL DEVELOPMENTS

Leap v3.1

The Leap v3.1 release includes powerful tools and options to improve the functionality and user experience on EOS and other Antelope-based blockchains. As a protocol upgrade, it requires coordination between node operators. As of September 21, 2022, block producers on EOS have updated their software, and wallets and applications can incorporate features from the Leap v3.1 release.

With the completion of this network upgrade, the EOS Network will make its first strides into self-sovereign network development, making the best technology in the blockchain business even better.

New Leap transaction lifecycle features:

- Transaction Retry
- Transaction Finality Status
- Transaction Resource Cost Estimation
- Subjective Billing Improvements
- Transaction failure tracing with a new transaction endpoint

Additional Leap upgrades that do not focus on transaction lifecycle include:

- Improved compatibility with the GELF appender logging protocol
- Upgraded crypto primitives and encryption libraries add EVM-related encryption features and improve the K1 curve key recovery performance by 33%.
- New build procedures
- A new snapshot format
- Block and SHiP pruning feature
- Option to terminate a node at a particular block
- Mandel 3.0 features, including EOSIO 2.1 backports

The release of Leap is more than just a software upgrade. The new version is from a GitHub repository owned and maintained by the Antelope Coalition, meaning the community no longer has to ask permission to implement powerful new features and upgrades. This emancipation demonstrates the power of the Antelope software, as well as the power of the people surrounding it. The EOS community quickly stopped vesting, funded itself, and forked to a new repository when a multi-billion dollar company ignored development needs.

These actions prove the power of a DAO and the irrelevance of anyone else's rules within a self-sovereign system. EOS has proven, like many before it, that a passionate and dedicated community with transformational technology can challenge the assumptions and hierarchies that came before.

CDT

The Contract Development Toolkit (CDT) is a suite of tools that smart contract developers can use to compile their contracts to WebAssembly. CDT version 3.0.0 implements several changes to this tool, including crypto extensions and a new “stack canary” feature.

The Leap v3.1 release supports the GET_BLOCK_NUM protocol feature, which adds a host function to get the current block number, and the CRYPTO_PRIMITIVES protocol feature, which adds a new set of crypto primitive host functions. The CDT v3.0 release has added these functions to the C API and C++ API to allow smart contract developers to leverage these tools.

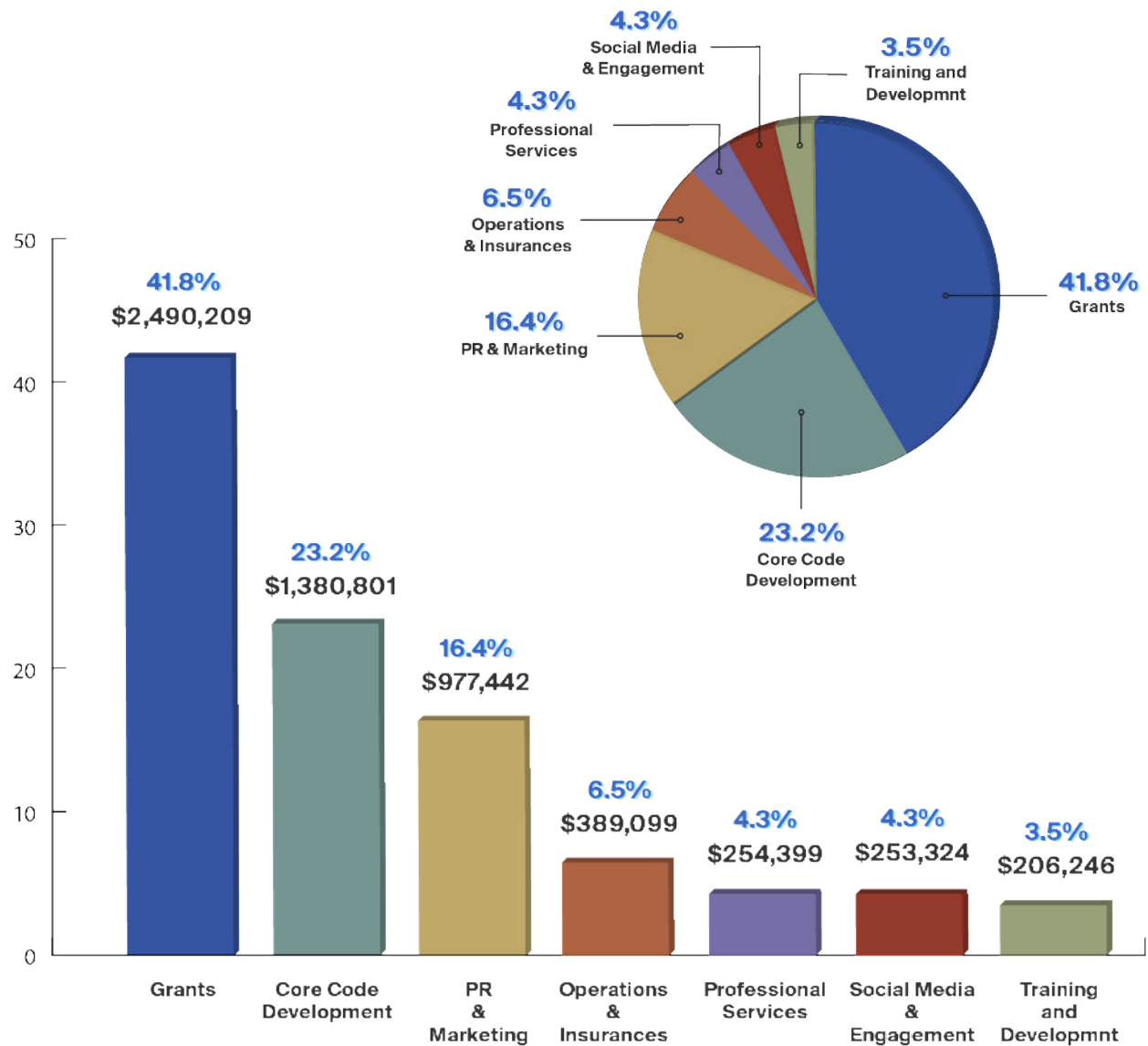
CDT 3.0.0 also introduces the “Stack Canary”, which detects when a stack overflow occurs and terminates the process. This tool prevents the stack from overwriting memory outside of its scope, providing the same benefits as keeping the stack at the beginning of memory while allowing for more initial memory (global variables and strings) and larger stack sizes.

DUNE

DUNE is an environment designed to run on macOS, Windows 10 & 11, and other operating systems that the Leap v3.1 release does not directly support. DUNE requires Docker and Python3 but is otherwise straightforward to implement, with instructions for each operating system in the [readme](#). It offers the same commands as CDT, nodeos, cleos, and other Leap v3.1 components. It also offers other abstracted commands that involve all of these components. Importantly, it allows anyone with a Docker-capable machine to develop and test on the EOS Network.

ENF OPERATIONS AND FINANCIAL OVERVIEW

ENF Overall Spending



Q3 2022 Total Spending

\$5,951,520



Roadmap

2022
Q4

- EOS Network Ventures
- Leap 3.2 RC1
- QTest Smart Contract Testing Library
- Documentation Portal
- EOS Developer Hub
- Antelope IBC
- Trust EVM V2 Testnet
- New Cryptography Primitives
- Yield+ Full Launch
- Performance Harness MVP
- Pomelo Season 4

2023
Q1

- Trust EVM Mainnet Launch
- Performance Harness Phase 2
- Linearly Aggregable Signatures
- Web Client SDKs
- HyphaDAO Deployment
- Secure Smart Contract Libraries
- Leap 4.0
- Pomelo Bounties
- Pomelo Season 5



EOS Network
Foundation