



World's first ecosystem for smart contracts automation across multiple chains

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The Problem

While blockchain technology is revolutionizing the way applications are built, there are still many challenges along the way that need to be addressed before it can reach its full potential. One of the key challenges developers face these days is the need to integrate extra off-chain services to execute smart contracts and make the dApp work. To do this, projects still need to develop and run such software in a **manual way**. This results in massive inefficiencies draining out additional costs.

On top of that, when it comes to building dApps, there are plenty of different blockchain solutions to choose from, where each provides a certain ecosystem suited for building specific types of applications. Some of these ecosystems are cheap and fast (e.g. Cosmos or Polygon), while others are trusted and secure, but at the same time expensive and slow (e.g. Ethereum). Nowadays, you have no option but to select and use only one blockchain – hence, being **completely locked-in**. This not only creates additional inefficiencies but also limits the development process leaving projects with the dilemma of which blockchain platform to choose.

But why not automate the dApp development process and integrate it with multiple blockchains? Nerif is designed precisely to solve this issue.



The Solution - Introducing Nerif Network

Nerif Network is the world's first ecosystem designed to automate smart contract execution and build decentralized applications across multiple chains – even on top of both Web2 and Web3. The cross-chain automation reduces gas costs, increases transaction speed, and bridges different networks. With this solution, any dApp could be built on top of any network. This reduces the risk of any single point of failure while simultaneously increasing the security and trustworthiness of the ecosystem as a whole.

This solution can be used across various applications, including DeFi, insurance, gaming, and NFTs, thereby securing billions of dollars in on-chain value thanks to automation capabilities.

The Next Generation of Blockchain Development

With the ability to build cross-chain dependencies, trigger execution on specific events, and lower reliance on specific function names or interfaces, Nerif offers a more versatile and flexible solution for smart contracts automation. Nerif is also more scalable, since it can handle a larger number of chains combined with a greater variety of events.

To change status-quo, avoid building extra off-chain services and save costs, projects can leverage Nerif to execute and automate smart contracts in their dApps. With Nerif, businesses can build and run any smart contract they need, without suffering extra costs on a dedicated development team.

How Does Nerif Network Work?

Nerif is a first-in-class decentralized ecosystem that enables the automation of dApps (smart contracts) across multiple chains, based on customer-defined rules, requirements, and conditions. The cross-chain automation feature could be applied to any on-chain and off-chain conditions/events/actions/triggers such as event emission, `eth_call` results, off-chain triggers, etc. Nerif can also be used to automate any other custom on-chain or off-chain computation.

Nerif is integrated across a wide range of blockchains, sidechains, and layer-2 networks. It enables a developer to run heavy on-chain applications on cheap and fast chains, and execute the final change state logic on expensive chains such as Ethereum.

For example, one complete blockchain application might consist of two smart contracts split into two or more different blockchains. One of them is expensive and serves cheap computation logic. The other one is cheap and serves an expensive part of the dApp.

The multi-chain approach has already become a commonplace across numerous successful DeFi verticals and use cases: the SushiSwap DEX is deployed across 15 chains, the Beefy Finance yield aggregator across 12 chains, and the Aave money market across three chains. This proves a solid need for the multi-chain narrative in the crypto space.

Nerif Vision

Our vision is to provide a highly reliable, decentralized, secure, and cost-effective ecosystem that allows businesses to operate on a blockchain scale.

We are currently focused on solving problems in the area of cross-chain data interoperability and trustless cross-chain interactions. Our goal is to automate blockchain applications in order to execute key functions and event-driven tasks across blockchains.

This project will allow millions of Web3 projects to seamlessly create and deploy smart contracts (and Web2 ones cost-effectively migrate to Web3).

Today



Ensuring seamless cross-chain automation for Web3

Pioneering the cross-chain automation infrastructure for Web3 developers across diverse set of use cases.

Tomorrow



Catalysing the Web3 evolution

We will become the ultimate infrastructure solution enabling developers to build cross-chain dApps on both Web2 and Web3.

Nerif Mission

We are on a mission to democratize blockchain development and boost Web3 adoption.

We aim to provide a simple, powerful way to automate smart contracts across chains in a fully decentralized and secure manner. In doing so, we will secure and save billions of dollars in value for Web3 projects.

Our goal is to make it easy for any dApp to use our tool for automating their contract execution processes without having to rely on any off-chain programs. We believe that this will accelerate the adoption of smart contracts and blockchain technology as a whole.



We are building the underlying infrastructure for automated cross-chain development. Nerif Network enables any Web3 user to automatically execute smart contract functions based on specific conditions without having to create and maintain its own centralized stack.

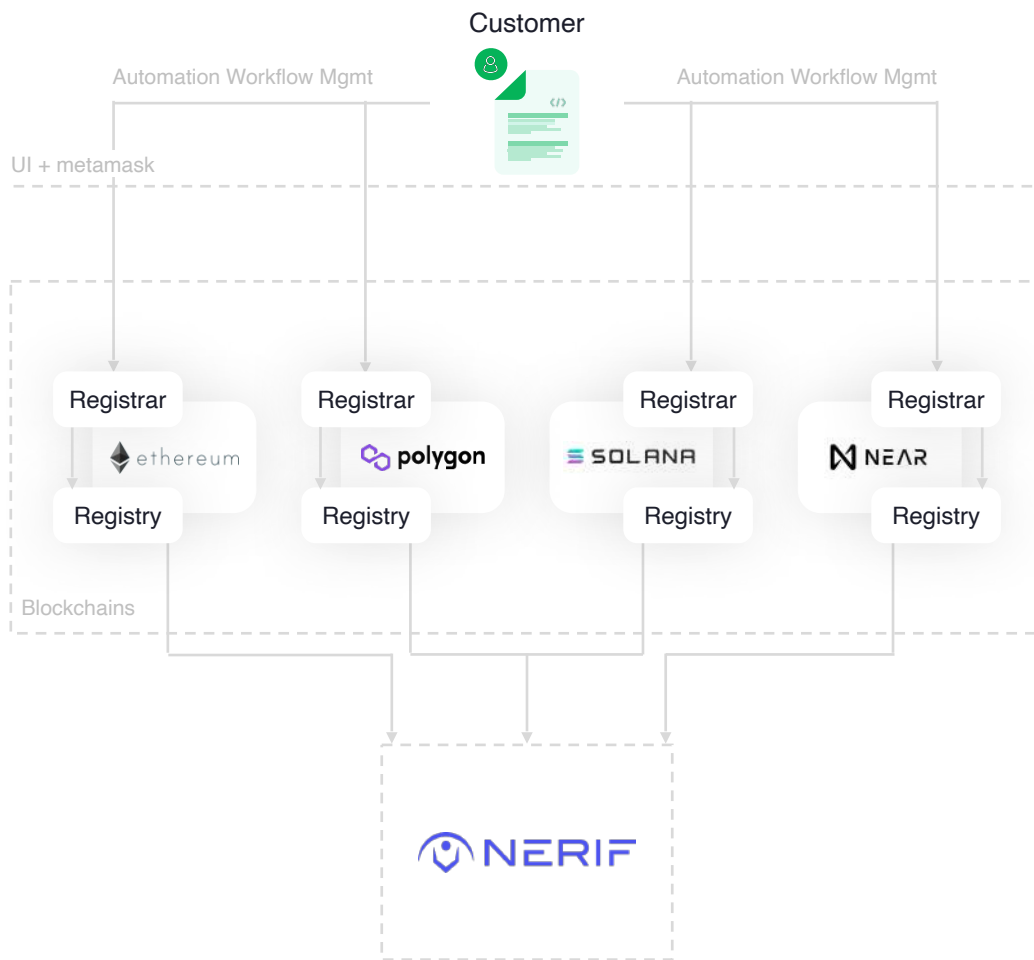
Our platform allows multiple different pools of nodes to serve blockchain applications. Each pool contains a specific number of nodes that are connected to each other and represents a network using the P2P mechanism. The primary language is GoLang. Internal smart contracts are written in Solidity and the internal infrastructure runs on AWS.

Registration

The automation workflow is a set of operations and interactions between smart contracts that should be done within one execution. The automation workflow starts with registration and wallet integration through the easy-to-use Nerif UI. As long as the automation workflow is in a draft state, it is stored in a centralized database. To activate the automation workflow, a user should publish it by storing the configuration within the registry contract * on-chain via the registrar contract **, and then fund it with a minimum amount of NERIF tokens. The amount will be automatically computed based on factors such as network load, automation workflow complexity and token price. Metamask would provide a user-friendly interface to interact with on-chain data.

** a contract that contains information about all existing workflows and their configuration, balances, etc. representing on-chain business logic for workflow management.*

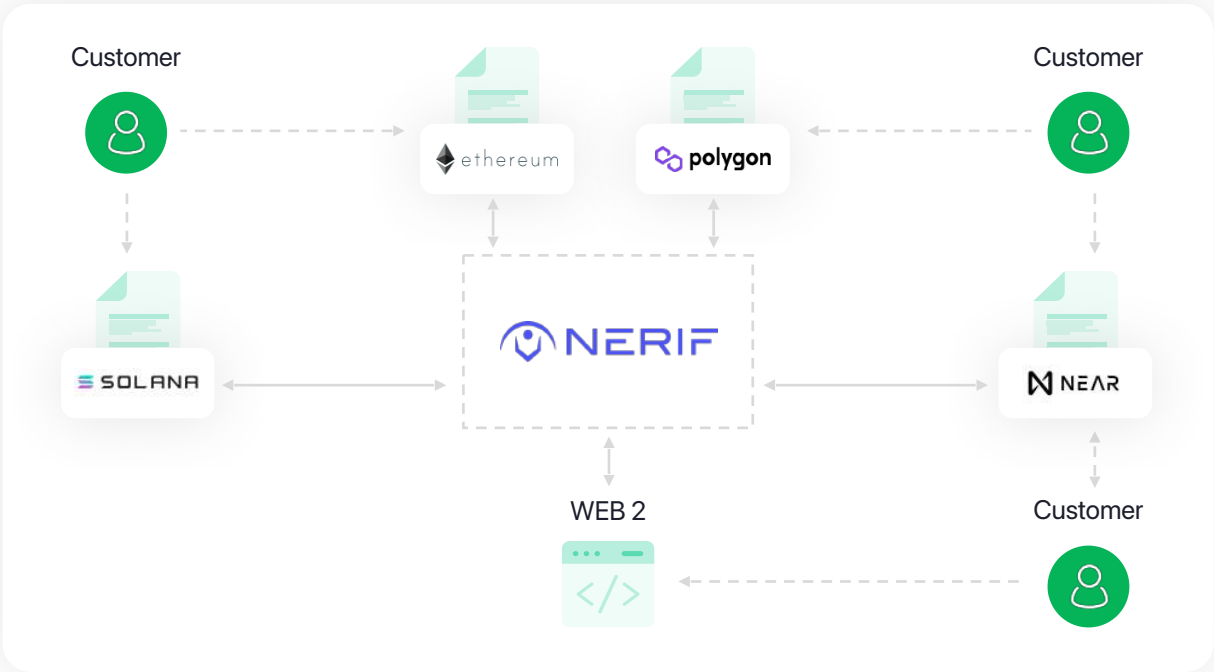
*** a contract required to register new workflows via UI, a middleman between a user and the Registry Contract. The contract exposes publicly available functions to manage workflows.*



The pool of decentralized automation nodes represents the nodes network that brings low-cost, verifiable on-chain computation to dApps, enabling smart contracts to automate key functions. Each pool contains N nodes that are connected to each other via the P2P protocol. The P2P protocol allows nodes to communicate with each other within the network and exchange various workflow-related data. Nerif Network allows each node to communicate with different blockchains such as EVM-compatible ones, Solana, Cosmos-based network, Near, etc.

Backend

A pool contains a certain number of nodes connected to each other by representing some kind of a pBFT-based network. This allows the entire ecosystem to be highly reliable and secure. The node communicates directly with the registry contract. Each published workflow is going to be served by nodes running within the given registry contract.



The network is highly reliable and requires at least two thirds of all nodes to be both up and running as well as achieving a consensus. Nodes take turns on each round, which means that there is one leader taking turns during each complete round of serving specific dApp(s).

At least two thirds of followers must propose the same data to obtain a consensus and then execute. The leader node changes on each round. This allows the network to be highly reliable and completely decentralized.

There could be many distributed pools with their own registries serving their own dApps. This tool enables externally-owned accounts to run checks on predetermined conditions in smart contracts, and then trigger and execute transactions based on time intervals. All dApp configurations are stored on the blockchain infrastructure (on-chain within the registry contract). This ensures the security and safety of the system in case the nodes network is broken.

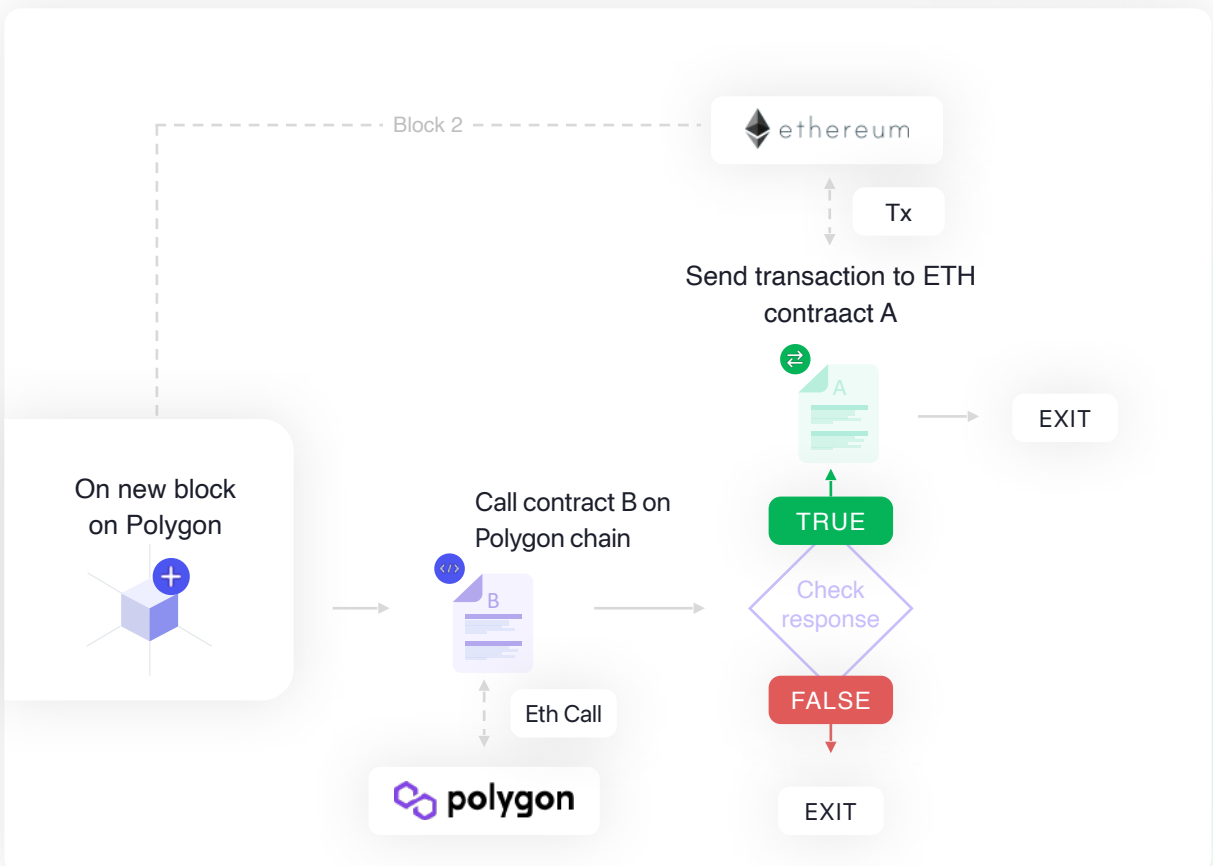
Each member of the network (node) has access to the registry contract and can fetch on-chain data and seamlessly serve all registered and active dApps.

Contracts

Internal Nerif Network smart contracts are written in Solidity for EVM chains, and Rust for Near blockchain. At least 80% of the code is covered by tests. All contracts must pass the security audit. All contracts (registry, registrar, income, staking, token contracts) must pass a security audit before going to the mainnet.

Workflow Execution Process

Based on customer-defined automation workflow configurations, Nerif Network starts with checking whether the workflow is eligible to be executed based on the defined execution trigger. If the decision is positive, Nerif Network starts the workflow execution of all the steps defined in the configuration settings. Execution is being processed by the exact behavior previously defined by the user. For example, a user has two contracts deployed on two different chains: ethereum and polygon. The workflow is executed on each new block (trigger) so that nodes start execution when a new block comes in. In this particular case, the workflow will look the following: if a function `A` of the contract deployed on polygon returns (by eth_call) a positive value, the function `B` of the contract deployed on Ethereum chain should be executed by sending a transaction with the specific payload. See the diagram below to visualize this example.



Key Nerif Network Functionalities

Secure and decentralized cross-chain automation and communication

This is a unique way to build secure services and applications where smart contracts can communicate and be automated across multiple blockchain networks. It also eliminates the need for developers to write custom code for building chain-specific integrations.

The cross-chain automation feature could be applied to any on-chain and off-chain conditions/events/actions/triggers such as event emission, eth_call output, off-chain triggers, etc. It also allows automation based on a custom on-chain or off-chain computation as well as off-chain triggers.

Comprehensive set of triggers

Smart contract automation could be adjusted based on various triggers (cron-based, event-based, or block-based execution). NERIF effectively serves as decentralized automation bot that checks conditions and makes transactions once those predefined conditions have been satisfied. Block-based execution ensures the execution of triggers by specific block-number-related rules.

Hassle-free integration and automation management

Nerif Network offers a comprehensive SDK library accompanied by intuitive interface to allow developers integrate and maintain Nerif Network automation through their in-house software. This makes it easy and more efficient for them to create custom and advanced integrations that meet their specific needs for Web 3 as well as Web 2 projects.



Our Value Proposition



We are the first decentralized smart contracts automation solution for enabling execution across multiple chains.



Our flexible solution enables any function to be automatically executed based on any conditions such as event issuance, eth_call response data, event field values, and Web2 triggers.



We provide the ability to split a smart contract logic into multiple chains for achieving the most cost-efficient way of automation. This improves the stability of gas fees associated with executing smart contracts.



Our platform handles off-chain computations that run checks on smart contracts, improving productivity for developers and leaving them with more time to focus on building dApps.



The decentralized nature of Nerif Network provides a secure framework for applications by reducing all security risks associated with a centralized server.








Top-notch UI and UX driving massive product adoption.



We are building an open and easy-to-use platform in which all parties can enter into automation service agreements on a 24/7 basis and without the need for any permissions.

The ultimate goal of Nerif Network is sophistication and centralization around dApps aiming to offer automated smart contracts execution across multiple chains.

 Decentralized Finance	 NFTs, Gaming, & Lottery	 Trading	 Insurance
 Nonprofits, NGOs, and other institutions to realize the power of smart contracts	And many more...		



Decentralized Finance (DeFi)

One of the most important aspects of DeFi is the use of smart contracts. Self-execution between two parties without the need for a third party represents the cornerstone of any smart contract. This allows for trustless and permissionless transactions, as well as increased transparency and security. To enable this function, there needs to be a separate software which up until now have been built manually.

Nerif Network plays a critical role in creating next generation smart contracts for financial products and monetary instruments in a fully automated way. For example, DeFi products can be executed automatically through Nerif based on market data such as FX rates, interest rates, asset prices, indices, and so on.

Our platform is designed to provide a decentralized and secure solution for network participants to operate at scale without any downtime or corruption caused by manual maintenance. With our solution, tens of billions of dollars within the DeFi ecosystem will be saved by connecting hybrid smart contracts across multiple chains automatically with high-quality data and off-chain computation.



NFTs, Gaming, and Lottery

In the context of NFTs and gaming, smart contracts can be used for verification purposes and for automating the transfer of ownership.

Nerif Network powers gaming applications across the blockchain ecosystem, providing users with fair and secure gameplay. Nerif Network ensures random NFT minting, distribution, and trait assignment, randomizes in-game parameters, and provides fair prize winner selection. For reward distribution, Nerif Network releases staking rewards periodically or based on specific triggers such as on-chain events.



Trading

Nerif Network ensures cross-chain limit orders. It is a type of trade that can be executed on one blockchain based on the asset price from another blockchain. This is beneficial because it allows for the best performance by executing the trade based on the state from the blockchain with a faster block time. For example, Ethereum is slow, and Polygon is able to offer faster transaction speeds thanks to its use of Layer 2 scaling solutions. Cross-chain limit orders are a great tool for traders who want to take advantage of different assets on different blockchains.

Prediction for markets, quantitative trading, and automated trading strategy can also be built on top of Nerif Network infrastructure enabling a secure and flexible multi-chain experience.



Insurance

Nerif Network is revolutionizing the insurance industry by allowing access to real-world data for blockchain-based parametric insurance platforms. It helps automate claims processing and lower operating costs. Any Web3 insurance solutions can be automated via Nerif Network such as collateral protection for crypto-based loans.



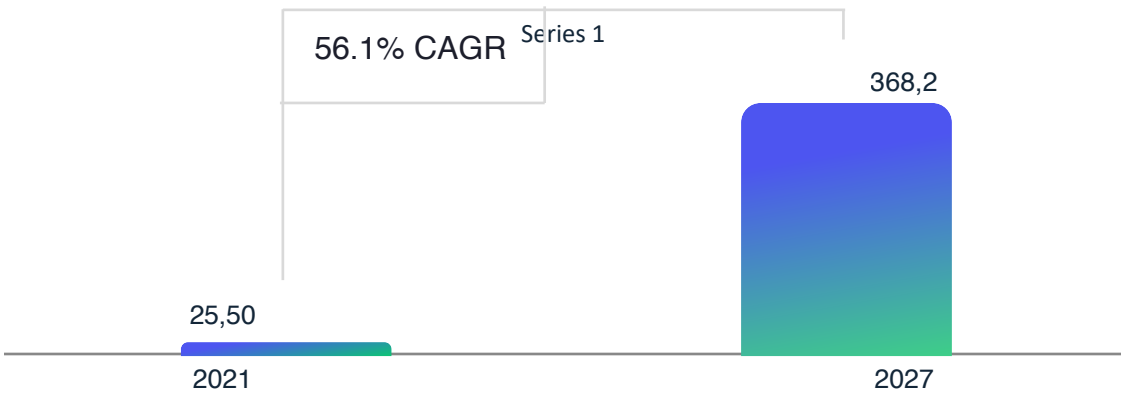
Non-profits and NGOs Are Realizing the Power of Smart Contracts

Smart contracts are essentially self-executing contracts that are stored on a blockchain. This means that they are transparent, secure, and immutable. For organizations working in areas where trust is often lacking, such as environmental sustainability or financial inclusion, this can be a major advantage. With our solution for cross-chain automated execution of smart contracts, companies can begin to build a fairer, more sustainable world.

The dApp industry is one of the most rapidly growing markets in the world and is showing no sign of slowing down. This presents a perfect opportunity for us to launch our platform, which is designed to provide a massive development infrastructure solution for the entire dApp industry to catalyze its further growth.

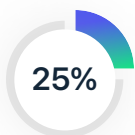
With the dApp market size expected to reach \$368.3 billion by 2027 growing at a CAGR of 56% according to [Emergen Research](#), there is a huge potential opportunity for growth and expansion.

The dApp market size



Source: [Emergen Research](#)

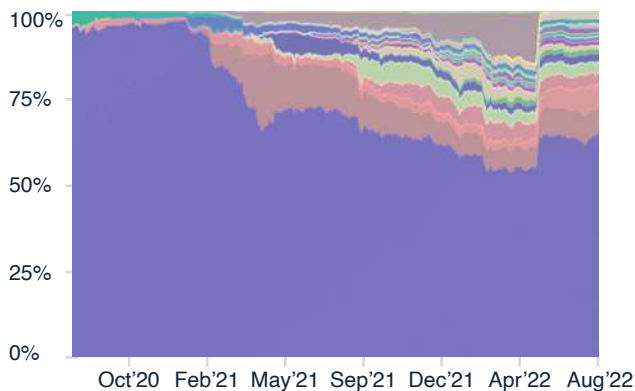
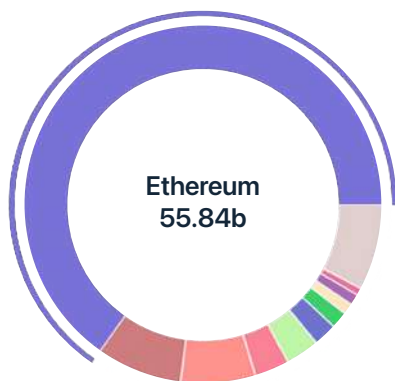
Moreover, Web2 companies are exploring new ways to do business using the decentralized web. In the near term, according to [Gartner](#) research, it is expected that 25% of enterprises to integrate legacy apps and services with decentralized Web3 applications by 2024. With cross-chain infrastructure in place, enterprises will be able to take advantage of all that Web3 has to offer. Our solution will enable Web2 companies to seamlessly connect apps and services with decentralized Web3 applications in an automated way, allowing them to successfully migrate to Web3.



25% of enterprises will integrate legacy apps and services with decentralized Web3 applications by 2024.

Worldwide cryptocurrency adoption jumped over 880% in 2021, with P2P platforms driving crypto usage according to [Chainalysis](#). As cryptocurrencies gain increasing adoption, the demand for cross-chain transactions has grown tremendously. The adoption of smart contracts on alternative layer-1 blockchains, sidechains, and layer-2 rollups has rapidly increased. As of August, 2022, the total value locked on all chains reached [\\$86.2 billion](#). Ethereum dominates the market by 65.2% with \$55.8 billion locked (Source: [defillama.com](#))

Total value locked, all chains



Source: [defillama.com](#)

This reflects the narrative and need for a way to disperse value between different blockchain ecosystems in a trustless environment. The most popular protocols currently used for this are Plasma, Cosmos, and Polkadot. However, these solutions do not provide automation for smart contracts development, deployment and maintenance. They also lock you on one chain. As the number of cryptocurrencies and blockchain projects continues to grow, it is inevitable that the demand for cross-chain automated solutions will only increase.

Nerif Network differs from its competitors in three key areas:

● We provide full cross-chain automation

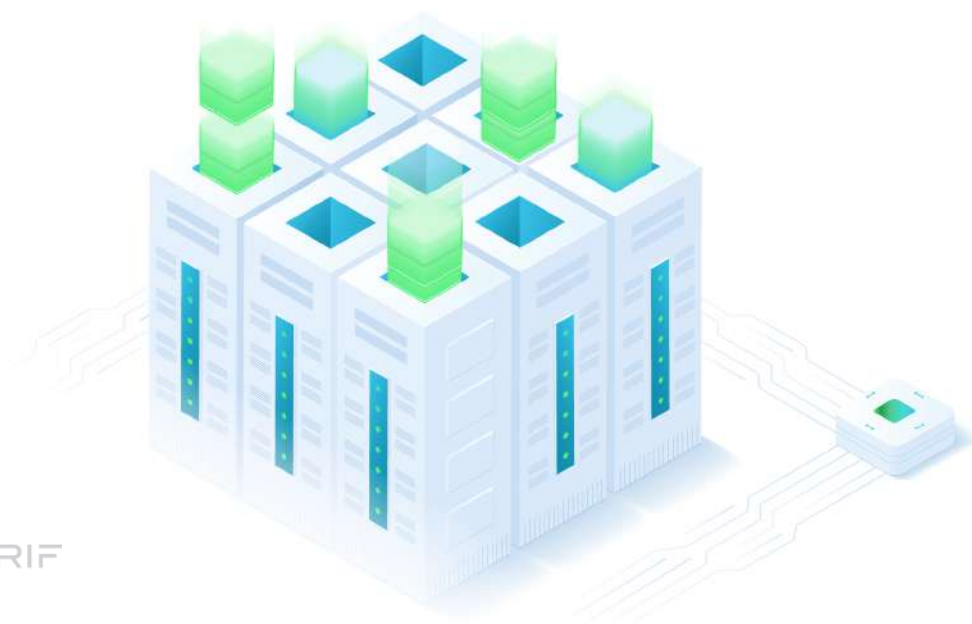
At present, there is no existing solution for executing smart contracts across multiple blockchain platforms automatically. This limitation presents a major obstacle to the adoption of blockchain technology, as it severely limits the potential applications of the technology. Our solution allows smart contracts to be executed across multiple blockchain platforms, greatly expanding the potential applications of blockchain technology.

● We are decentralized

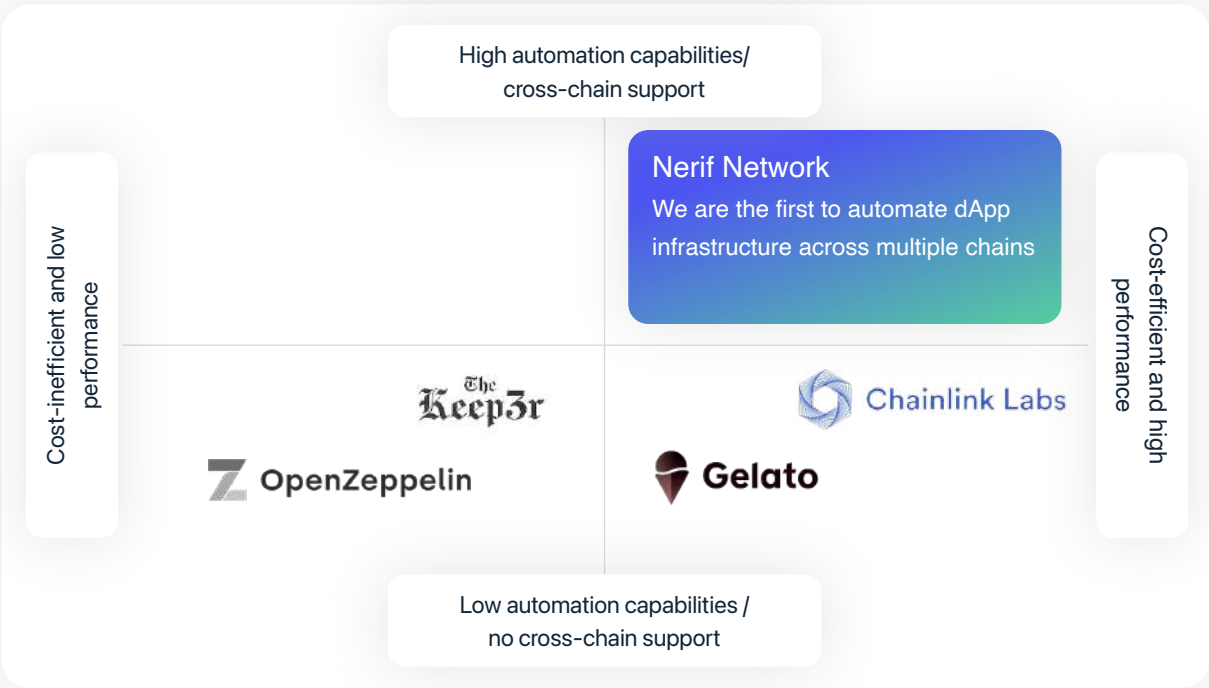
Decentralization is one of the key advantages of our platform. Existing solutions provide only semi-centralized or even completely centralized solutions. These are not really trustworthy and aren't able to provide any guarantee of uptime. Decentralized nodes would work, even if a third of the network is down.

● When it comes to triggers, we are very flexible

Existing solutions have strict trigger limitations. For example, our close competitors require a smart contract that must contain two functions that implement a specific interface, and the trigger is built on top of these two functions. In our solution, any function could be executed based on any conditions such as event issuance or eth_call response. This makes our solution much more versatile and flexible.



We have developed a strong competitive moat allowing to secure us a well-defined and defendable niche in the market.



On top of clear market positioning and first mover advantage in cross-chain infrastructure automation Nerif Network has solid fundamentals to defend its position in the market.






	Nerif Network	Gelato Network	Chainlink Keepers	OpenZeppelin Defender	Keep3r Network
Controlling dashboard	+	+	+	-	-
Intuitive UI	+	+	+	-	-
Easy-to-use architecture	+	+	-	-	-
Automatic approval process	+	+	-	-	-
Cross-chain automation	+	-	-	-	-
No interface lock-up	+	-	-	-	-
Supporting any type of smart contract	+	-	-	-	-

The ultimate goal of Nerif Network is sophistication and centralization around dApps aiming to offer automated smart contracts execution for multiple chains.

Initial Target Market

Focusing on Web3 and Web2 migrating to Web3 projects.

The ecosystem we're building could be used to automate any on-chain activity based on any conditions. Our customer groups are Web3 as well as any Web2 companies migrating to Web3. The following segments will be targeted in the next two to three years:

User groups	Use cases
 Money markets companies	Liquidations, balance top-ups, rewards payouts, token unlocks
 Dexes	Limit orders, stop-loss, liquidations, trading strategies, liquidity management
 Yield optimizers	Token unlocks, harvesting, compounding yields
 Prediction markets companies	Starting and setting rounds
 Blockchain games developers	NFTs staking rewards, asset management tools

Go-to-Market Strategy

GTM plan to drive the category leadership

● Stage 1: 2023

Securing product-market fit (in progress):

- Secure key hires across product and community functionsDesign and build MVP for category-defining market niche.
- Design and build MVP for category-defining market niche.
- Launch, test, implement feedback to build a solid product foundation with proven stickiness and monetization capabilities.
- Conduct outreach campaign to onboard early adopters among existing Web3 projects.
- Lay foundation for community-led growth to enable efficient, bottom up product adoption.

● Stage 2: 2023 to 2024

Scaling:

- Create a well-defined ongoing iteration/testing environment for the product.
- Bring in external participants into the nodes network to make the system more stable and decentralized.
- Invest in influencer marketing, PR, and further community development.
- Launch inflation-proof, sustainable token.
- Develop strategic corporate partnership programs within Web3 space.

● Stage 3: 2024 to 2025

Solidifying market leadership:

- Launch new use cases.
- Scale globally with the aim of becoming a universal one-stop solution for cross-chain automated dApps development.
- Grow worldwide community and focus on empowering network effects.
- Target Web2 companies and build cross-chained dApps on both Web2 and Web3 infrastructure.

Our Solid Growth Engines



Product stickiness

Developing an easy to use and cost-effective solution suitable for any Web3 and even Web2 company.

Thanks to our proprietary technology as well as custom and intuitive UI, users will be able to instruct off-chain infrastructure services to automatically run arbitrary code using multiple chains hustle-free. It will help run smart contracts faster and cost-effectively.



Powerful scalability

Leveraging unlimited cross-industry opportunities for scaling across Web3 industries as well as Web2 projects migrating to Web3.

The migration of Web2 projects to Web3 presents a unique opportunity for scaling across industries. By leveraging the decentralized nature of the web, Web2 projects can tap into a much larger pool of users and data. As more companies begin to explore the potential of Web3, we are likely to see a wave of innovation that will radically transform the very nature of infrastructure development.



Network effects

Building a Blockchain community to drive community-led growth.

A thriving community will be a powerful force for driving adoption and growth of the technology. By working together, community members can share their expertise, identify new use cases, and build innovative tailored applications. Our community will be the key catalyzer for expanding the network effects and driving platform's growth.



Strategic partnerships

Forming strategic partnerships to leverage the ever-expanding Web3 sector.

Through association with versatile and valuable partnerships, exceptional opportunities will present themselves for Nerif Network implementation. The by-product of these partnerships is the ability to increase shared profits with our token holders. This subsequently opens up Nerif Network to additional revenue streams for those holding tokens.

● 2022

In 2022, we focused on building the foundation for Nerif Network. Our goals included forming a core team, developing the functional part of the first network version, and making sure it was working well with EVM-compatible chains. We also put a lot of effort into creating a user-friendly and visually appealing app.

- Core team formation
- Development of the functional part of the first product version
- Support for EVM-compatible chains
- Robust Nerif App UI/UX design
- Gain early community

● 2023

In 2023, we're focusing on security, automating payment processes, and onboarding our first clients and early adopters. We're also working on expanding our community by releasing educational resources and developing a software development kit. Additionally, we're working on implementing features for automated workflow and funds management.

- Web Nerif App (in progress)
- Community growth and release of educational resources (in progress)
- SDK (in progress)
- Automation of workflow management, funds management, automatic payments, and manual workflow approvals (TO DO)
- On-chain business logic for Nerif Network i.e. smart contracts (TO DO)
- Onboarding of early adopters and customers (TO DO)
- Support up to 10 EVM-compatible chains (TO DO)

● 2024

In 2024, we plan to continue expanding our capabilities by:

- Adding more triggers (TO DO)
- Expanding SKD functionality and implementation in multiple programming languages (TO DO)
- Onboarding web2 customers and helping them move to web3 using Nerif (TO DO)
- Setup of an internal decentralized network of Nerif Network (TO DO)
- Implementation of customer contract management within Nerif App (TO DO)
- Continue publishing more educational material (TO DO)
- Token release (TODO)

● 2025

In 2025, the focus is on:

- Continuing to onboard more customers and early adopters
- Expanding the functionality and capabilities of the SDK and making it available in more programming languages
- Onboarding more web2 customers and helping them move to web3 using Nerif
- Improving and expanding the internal decentralized network as a second version of Nerif Network
- Implementing more advanced features for customer contract management within the Nerif App
- Release of more educational material and resources to support the community
- Expanding the number of EVM-compatible chains supported
- Adding more triggers to the system
- Investing in scalability and security
- Adding support for more chains or protocols to attract more customers
- Exploring new use cases for the network



The NERIF token is the platform's utility and governance token for all relevant stakeholders in the network.

NERIF is the backbone of the Nerif ecosystem. We have carefully designed incentive schemes to increase network effects and demand for NERIF while effectively regulating its supply and token circulation.

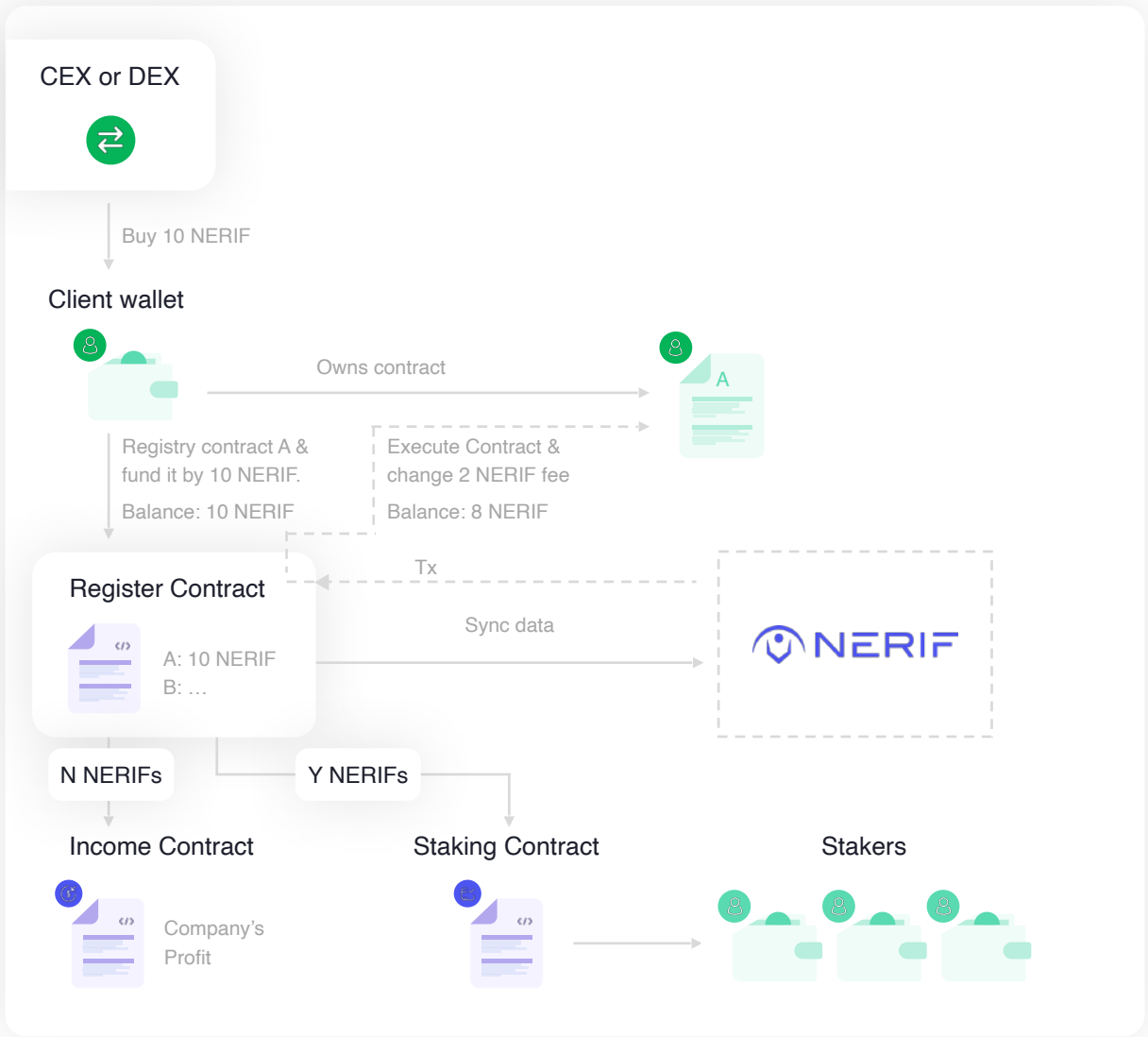
To support network operations, drive demand and provide value accrual for the token, NERIF token key use cases at start will include:

- transaction fee - the backbone of Nerif revenue model;
- staking & rewards;
- DAO governance.



Transaction Fees

In order to start exploiting Nerif Network, a user needs to have NERIF tokens stored on the wallet which must be connected to the Nerif account. To deploy a smart contract a user need to have a minimum deposit of **X** NERIF. After each successful transaction, the user will be charged a certain amount of NERIF tokens based on factors such as network load, automation workflow complexity, and token price. The fee will cover all transaction associated costs + 0.5% Nerif commission which will subsequently go to the income (a contract used to transfer proceeds from all registry contracts) and staking (a contract allowing users to stake Nerif tokens and receive rewards) pools. This system is designed to provide an easy and convenient way for users to create and deploy smart contracts using Nerif. The income would be divided proportionally between Nerif Network and token holders. The scheme below is designed to visualize the basic token flow within the Nerif Network, numbers are an example to understand the process logic.



Staking

For the Nerif Network to achieve strong security within a decentralized trust model, it is essential that nodes collectively exhibit correct behavior. To help enforce such behavior we introduce cryptoeconomic incentives in the form of staking.

When staked, NERIF acts as a proof of ownership of a percentage of future revenue distributions to NERIF token investors from both income and staking pools as portrayed above.

To increase overall ROI from staking NERIF tokens we introduce dual pronged staking reward scheme consisting of:

- **Nerif Earn** – base rate of up to 5-15% APR/year depending on the staking type.
- **Nerif Alpha** – additional APY advantages offered through network performance rewards. Such rewards get formed in a separate pool that is derived from Nerif transaction fees where the share of income distributions is directly proportional to user's ownership of the total NERIF token supply.

To address different levels of risk aversion and investment horizons among staking participants we will offer token holders two staking mechanisms: flexible and locked staking.

Flexible staking gives holders ca. 3-5% APR and 24/7 access to their staked funds with rewarded coins being automatically re-staked every day. This will give platform's users additional token generation source which they can leverage to cover Nerif Network fees.

Locked staking will yield higher APRs (ca. up to 15% APR) and offer various staking cycles – 1 month, 6 months, 1 year, etc. with rewards being sent at the end of a staking cycle.

Staking launch as well as precise computation on respective yields and rewards allocation will be done when we start getting first product usage metrics as well visibility on associated transaction costs.

DAO Governance

Nerif DAO is owned and governed by the token holders proportional to the token ownership stake. The ideology behind governance is to have it driven by the token holders, contributors and leaders from the community.

This will be achieved through multiple phases of governance policies, developed in a self-governing format. This fuels a constructive forum for participants to improve their community and mature the vision for goals they want to accomplish that are aligned with the Nerif roadmap. Producing a set of standards that governs optimal outcomes.

The Nerif DAO will be an evolving project, with leaders and contributors emerging over time.

The first step of this evolution will be governance proposals for smaller internal projects and eventually leading onto future decisions that will shape the future of Nerif DAO. This will result in a community with ultimate control without intermediaries or third parties who can manipulate the direction of the DAO away from its vision and mission.

Unlike many protocols out there we are putting additional incentives to drive token demand and alleviate sell pressure by introducing time-weighted voting through vote-locked tokens in VotingEscrow.

Instead of voting with token amount a , in Nerif DAO tokens are lockable in a VotingEscrow for a selectable locktime t_l , where $t_l < t_{max}$, and $t_{max} = 4$ years. After locking, the time left to unlock is $t \leq t_l$. The voting weight is equal to: $w = a * t / t_{max}$. In other words, the vote is both amount and time-weighted, where the time counted is how long the tokens cannot be moved in future. The account which locks the tokens cannot be a smart contract (because it can be tradable and/or tokenized), unless it is one of the whitelisted smart contracts (for example, widely used multi-signature wallets).

Token supply



Total token supply - 1,000,000,000

with no new tokens to be released in the future (hard cap).



Chain

Ethereum chain, ERC-20

(Initial deployment)

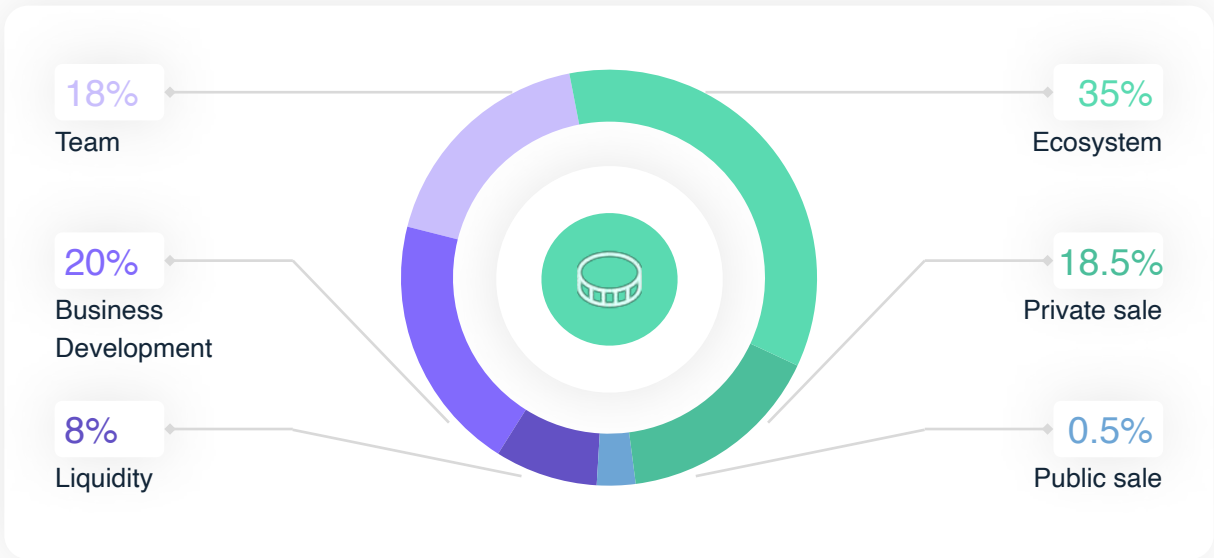


Multiple chains

(Future)



Token allocations

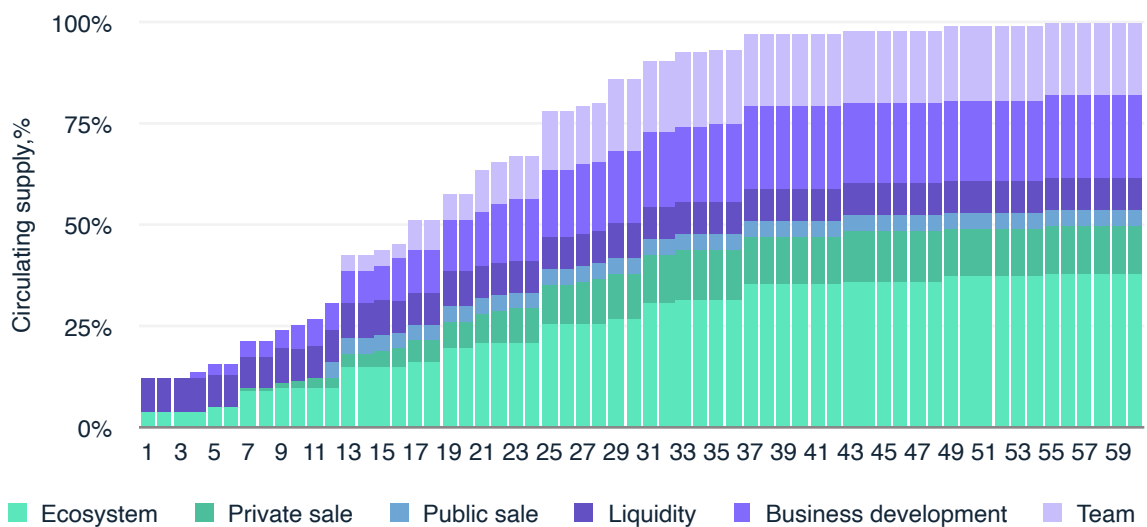


Cliff & Vesting Schedule

Allocation	Type	Tokens	% of total supply	Cliff (M)	Vesting release post cliff (M)	Release rate	Release frequency (M)
Ecosystem	Community (airdrops, etc.)	80,000,000	8%	6	54	11,1%	6
	Staking & rewards	200,000,000	20%	0	42	14,3%	6
	Foundation	70,000,000	7%	0	36	11,1%	4
Private sale	1st round (VC)	160,000,000	16%	6	24	8,3%	2
	2nd round	25,000,000	2.5%	8	24	12,5%	3
Public sale	Public sale	5,000,000	0.5%	0	10	10%	1
Liquidity	Liquidity	80,000,000	8%	0	-	100%	-
Business development	Marketing	100,000,000	10%	2	36	5,6%	2
	Partnerships	100,000,000	10%	3	24	12,5%	3
Team	Team	180,000,000	18%	12	30	20%	6
Total		1,000,000,000	100%				



Token Release Schedule



Private and Public Sale Details

	Private 1 (VCs)	Pre-Sale	Public
Minimum purchase limit	\$100,000	\$10,000	\$1,000
Maximum purchase limit	\$2,000,000	\$5,000,000	\$100,000
% of total supply	16%	2.5%	0.5%
Number of tokens	160,000,000	25,000,000	5,000,000
Price per token	\$0.0275	\$0.3	\$0.5
Total raised	\$4,400,000	\$7,500,000	\$2,500,000
Total raised from all sale	\$14,400,000		





Roman Behma

Co-founder and CEO



Chainlink Labs



polygon

Accomplished tech entrepreneur with 8+ years of experience in software and infrastructure development. Built from scratch and sold his first startup within 2 years timeframe. In blockchain since 2018, worked with top-tier projects (i.e.. Polygon, Chainlink), advised and helped various blockchain startups to set up core infrastructure. At Nerif Roman is harbouring the overall vision and is responsible for the foundational work of product development.



Marcello Ardizzone

Co-founder and CTO



swisscom



polygon

Passionate software architect with 6+ years of experience in fintech and insurance. In blockchain since 2016, focusing on DLT and its applications for real-world use cases. Was a tech lead of blockchain products for Swisscom, the leading telco company in Switzerland. Previously held a CTO position for a real estate securities tokenization company and NFT music marketplace.



Dragos Cristian Mihalte

Co-founder and COO



UBS

RBS
The Royal Bank of Scotland



CUSTODIGIT

12 + years of experience in the financial industry as Risk and Project Manager Director (UBS, RBS) & 14+ in the startup ecosystem. Launched 'Business, Risk and Compliance Framework' for a digital assets platform, finding the right balance between crypto/ DeFi and traditional financial markets. Developed Real Estate projects in Romania reaching a business at scale. Founded two UK companies and led marketing & operations.



Johannes Kern

Co-founder and Head of Growth



swisscom

L1D

L1 Digital

Web3 veteran with experience both from the tech as well as the investment side. Helped to build digital assets investment manager L1 Digital into an investment powerhouse after having started his professional web3 career at Swisscom Blockchain working with decentralized projects implementing successful go-to-market strategies.