Evanesco Litepaper

An Introduction to Evanesco
Evanesco is a unique financial protocol platform in the Web3 ecosystem that combines Layer0 network infrastructure and privacy computing framework.

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Introduction

The open, transparent and difficult-to-tamper characteristics of the block chain have accelerated the emergence of modern decentralized finance, but in some fields these characteristics are not suitable for the development of financial activities. For example, the crypto-financial infrastructure does not solve reliable transactions and account privacy simultaneously, so the market is easily affected by on-chain information.

Evanesco is a unique privacy financial protocol platform in the Web3 ecosystem that combines Layer0 network infrastructure and privacy computing framework, including application protocol layer, privacy middleware layer and underlying infrastructure layer. Evanesco provides safe, reliable, efficient network access and encrypted financial services for Web 3.0 applications, NFT, and DeFi.
A Network of Heterogeneous Chains

Traditional transactions are carried out in an open network. Even if transactions are broadcast through the anonymous network on the Internet, there is still a centralization risk. The stability of the network depends entirely on the operation of the external network. Different blockchains have different network-based layers, which separate network resources such as bandwidth and computing power, and then become network-isolated islands.

EVA Layer0 network protocol allows nodes to share their own network bandwidth, computing power, and other resources to obtain incentives. These nodes at the link underlayer provide a unified communication and resource access layer for the upper layer, which hide user access locations at the link layer. At the same time, it will encrypt and protect transaction data, then encrypted data content would not be peeped by anyone. EVA Layer0 network protocol provides decentralized, flexible and secure network infrastructure for multi-chain ecosystem's intercommunication and resource sharing, making the multi-chain ecosystem based on infrastructure perspective probable.
Privacy Liquidity

Currently, a variety of heterogeneous blockchain networks support the growing cryptocurrency ecology, and the multi-chain application of encrypted assets is inevitable. For different account systems, EVA provides a unified security privacy account, liquidity pool, asset certification, and other privacy middleware products to ensure a seamless connection between application and external networks, oracles, and service interfaces. Thus, it will support scalable and highly liquid private asset financial services in a heterogeneous multi-chain ecosystem.
Decentralization & Finality

EVA mining network is totally decentralized. Incentives can be received by providing continuous online proof of computing power and token pledge. Nodes with computing power can join EVA mining community speedily and easily, giving indiscriminate computing power and network support for upper-layer blockchains and Web3.0 applications.

Verification nodes in the second layer of the network run the GPOW consensus algorithm to confirm transaction settlement and profit-splitting. Thus, verification nodes can ensure the consistency and fast finality of the entire distributed ledger and strongly support private financial services' efficient operation.

The mining network is responsible for the whole network's minting and participates in the second-tier verification nodes' election. POW miners and POS miners cooperate with each other to eliminate potential centralization risks, which is a perfect combination of decentralization and finality.
EVA Architecture

Application Layer
- To C: Fortress V1, V2, V3, Fortress Wallet, Fortress Liquidity Pool
- To B: CEX Privacy, Wallet Privacy, Institution Privacy
- P-DAPP: P-DEX, P-NFT, P-Token

Middleware Layer
- Privacy Account
- Privacy Asset
- Privacy Liquidity Protocol
- Polkadot, ETH, BTC, USDT

Underlying Layer
- GPOW, Mining, Mainnet, VM, XV-Core
- ETH Layer0, Polkadot Layer0, EVA Layer0
- BSC Layer0, Solana Layer0
Layer0 Network Infrastructure

WhiteNoise protocol is the network link layer of Layer 0, which provides data security and transmission paths for the upper-layer protocols. In addition, WhiteNoise is able to support multi-nodes data routing, encrypted data, data obfuscation, and transmission jitter.
Resource Container

Except for the network link layer of Layer 0, another essential function of Layer 0 is sharing nodes' resources with required nodes. Resource container is a unified encapsulation layer of resources, providing external resource interfaces such as computing power, encryption algorithm, and storage. The resource container makes the nodes supporting the Layer 0 protocol form a unified resource scheduling layer and provides services to the outside in the form of a standard container. Each container service can customize the required incentives, and users can choose freely.

Dispatch and Incentives

The Layer 0 basic protocol provides a governance interface for resource container dispatch and incentive distribution. Nodes can base their own capabilities with the Layer 0 to provide external services. Each blockchain protocol can customize services and tokens to adapt to various economic and governance models.
1. Consensus is divided into the profit-splitting period and generate-block period.

2. In each profit-splitting period, POW miners calculate computing power proof, and then calculate the VRF according to the block's hash to confirm the gap and parameters of the computing power.

3. At the end of each profit-splitting period, the contract will split profits according to the computing power proof.

4. POS miners verify all transactions to generate blocks.
Privacy Middleware for Multi-Chain

Secure main chain privacy transaction algorithm

The content of traditional blockchain transactions can be seen by everyone. The general symmetric and asymmetric encryption algorithms are not suitable for some financial activities’ high efficiency and privacy requirements.

EVA realized the balance hiding technology based on the account model. The transaction content is hidden from third parties other than both parties to the transaction. The legality of the transaction can be verified through zero-knowledge proof.

EVA introduces zero-knowledge proof technology into smart contracts and creates a powerful XV-Core privacy transaction engine to process encrypted digital assets efficiently and securely.
Multi-chain unified privacy account system

Evanesco designed a unified privacy account system. The system uses the same address, encryption and decryption methods in all ecosystems. As a result, users can use a unified interface to deploy in heterogeneous chain based on privacy middleware. Meanwhile, the privacy account is the same as Evanesco's main chain account.

Privacy Liquidity Across Borders

Due to a unified privacy account system, Evanesco uses a middleware SDK to hide the complexity of multi-chain operations. Users can conveniently manage all privacy assets under one account when operating privacy assets on different blockchains. Transferring privacy assets on different blockchains with cross-chain gateways will open up privacy liquidity borders.
The EVA Token

EVA is a network-wide governance token and also a transaction fee token. The total amount of EVA is 1 billion, the total mining amount is 800 million, and the coin minting period is 10 minutes. Each POW block rewards 2000EVA, which is halved in around 1250 days.

The EVA consumption scenarios are:
- Privacy Transfering Transaction Fee
- Cross-Chain Transfer Fees
- Layer0 Network Usage Fee
- Asset Issuance/Conversion
- Gateway/Verifier Pledge
Tokenomics

Token Allocation

- Eco, 3%
- Seed, 6%
- Private, 7%
- Liquidity, 4%
- Mining, 80%

Release

Graph showing the token release over time with different phases: Mining, Private, Seed, ECO, and Liquidity.
Mining distribution

- Miner: 80%
- Team: 10% (unlocked for 5 years)
- Eco: 3%
- Validator: 7%

Contact: contact@evanesco.org
September 2021
Roadmap

AVIS-Testnet Launch / Fortress
Middleware V2 release

Mainnet Launch Governance
Layer0 Protocol Incentive

2021 Q1

The Link layer
Protocol of Layer0
Protocol - WhiteNoise

2021 Q2

Multi-Lang
WhiteNoise / Fortress V1

2021 Q3

Mainnet Launch
Fortress V3
Privacy Middleware V1

2021 Q4

2022 Q1

2022 Q2

2022 Q2: Fortress Middleware
V2/CrossWrapper Preview
About AVIS Testnet

AVIS is the beforehand testnet of EVA mainnet. Community members can follow the rules of joining the AVIS network to participate in the network operation as a network node of AVIS. The mining cycle of AVIS testnet is 10 minutes, and reward 500 AVS each time. The output of AVIS network is a quarter of the EVA mainnet.

AVIS testnet entrance:  https://evanesco.org/testnet/
Fortress series products including Fortress pool, Fortress Wallet, P-DEX, P-NFT, P-TOKEN.

The V2 version of the Fortress product has been launched, including Staking Products, Staking Mining, and Fortress Wallet functions. In the nearly future, EVA will launch the lending function and integrated privacy middleware for Fortress. Visit address: https://eva.finance

Fortress series products will serve as EVA’s privacy demonstration of DAPP. Any other blockchain projects with privacy protection requirements can use these privacy DAPPs as references. Or based on existing solutions, working with EVA to co-build more complete privacy application products.
About Global Community Co-Building Plan

3 Million EVA Token ecological shares will be used to promote and implement EVA Global Community Co-Building Plan. The recruitment plan mainly includes Application Developers, Medias, KOLs, Enthusiast Communities, and Network node Builders. The Global Community Co-Building Plan will achieve a worldwide influence of EVA and enhance community members' consensus and trust. Any individual or organizations who are interested in the Co-Building plan, please send resumes to EVA official email: contact@evanesco.org
About Evanesco

Learn more about EVA
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