BFIC MAINNET

THE EXCELLENCE OF SCALABILITY & UTILITY

YELLOWPAPER

2022

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01 THE CHALLENGE

TO RESOLVE **THE LIMITATIONS** OF **LAYER 1 EVM CHAIN**

User Experience Flaws

Excessive gas fees & proof-of-work limitations

Constrained Throughput

Low Transaction speed & throughput are an obstacle in scalability.

Dependency & Risks

Governance dependence, shared throughput and clogging risks

Ethereum’s powerful and thriving ecosystem is a favorite amongst blockchain developers, yet it comes with a set of limitations without any particular framework for mitigation & improvements. Hence, creating a critical development challege and fragmantation in the ecosystem.

02 SOLUTION

BFIC MAINNET

A **CROSS-CHAIN PROTOCOL** TO **BRIDGE ETHEREUM COMPATIBLE BLOCKCHAINS** WITH OTHER BLOCKCHAIN NETWORKS

Interoperability protocol for arbitrary communication between Ethereum & other blockchain networks

Instant deployment of all current blockchains

Regularly evolving modules for custom network development

Adoptor modules for interoperability between existing blockchains

Modular Security & Optional Security as a Service

FEATURES

BFIC IS A **DEVELOPER-FRIENDLY PROTOCOL** THAT COMBINES THE BEST FEATURES OF LAYER 1 AND SOVEREIGN BLOCKCHAINS.

ETH Compatible

Perks of pre-established tools, standards, tech stacks and global acceptance

Scalability

Scalable consensus algorithms, dedication blockchains & custom execution environments

Security

Scalable consensus algorithms, dedication blockchains & custom execution environments

Enhanced Experience

Sovereign Governance

Sovereign governance with customizable tech stack and dedicated resources

Interoperability

Arbitrary communication support for contract calls, tokens etc.) & bridging to and from external systems.

Customizable

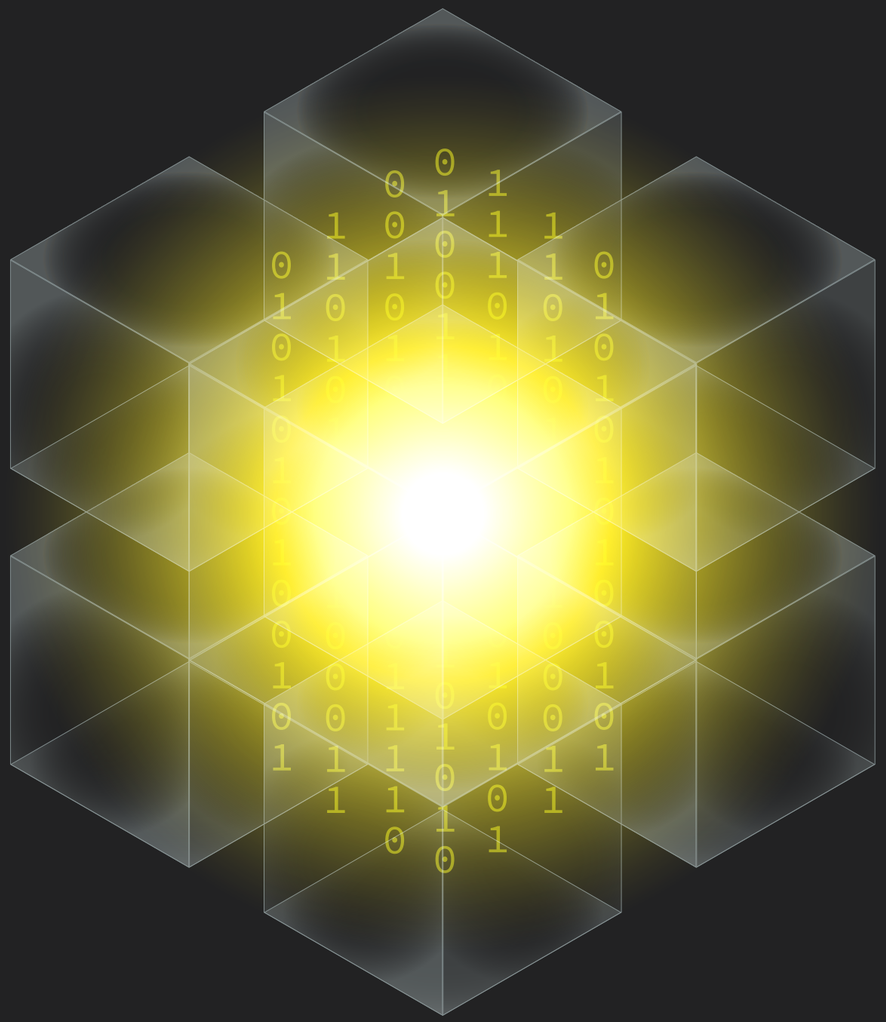
Extensibility, flexible customization, community collaboration & easy to upgrade

Development Friendly

Ethereum equivalent with no requirement of permissions, fees or token deposits.

User Friendly

Instant transactions, Web 3.0 support & zero gas fee



THE TECHNOLOGY

BFIC Blockchain is equipped with the core tools and components that are essential to build a borderless economy.

The BFIC protocol combines the developer experience, interoperability & security of Ethereum with optimized features of numerous stand-alone blockchains to add sovereignty, flexibility and scalability. This provides an exceptional compatibility with the current Ethereum components and enables communication between Ethereum and sovereign blockchains.

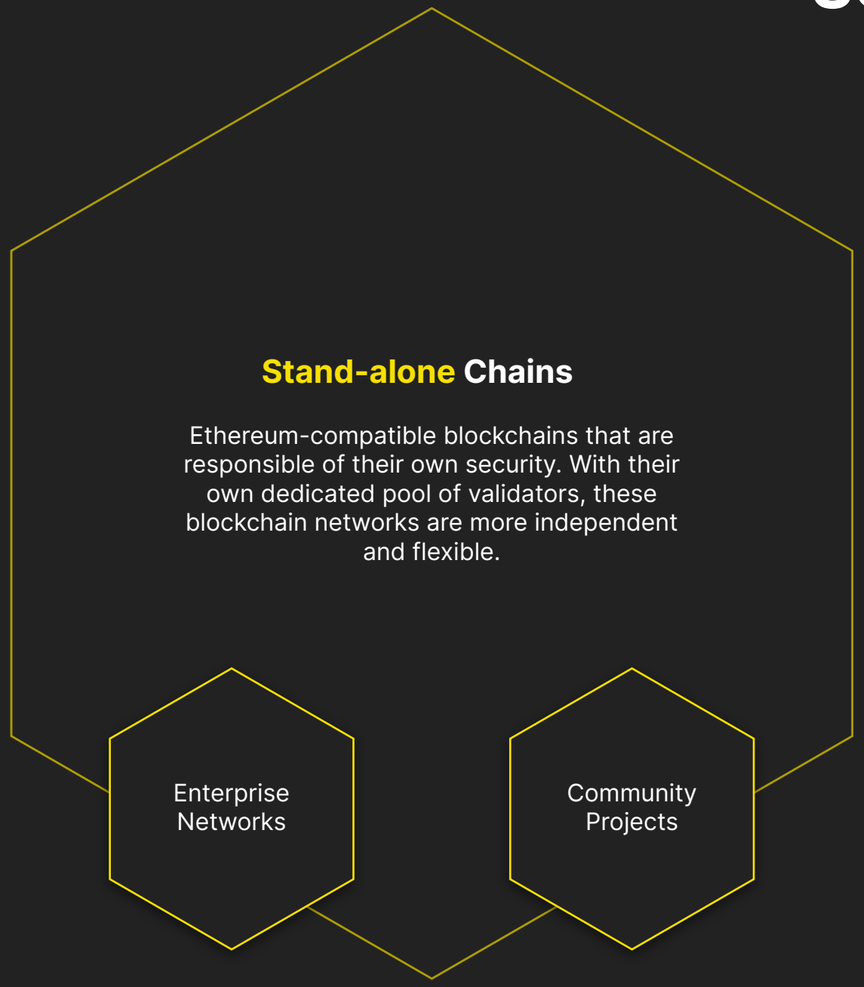
Framework

- Deploy Ethereum-compatible presets with one click.
- Expandable developer modules to integrate consensus, dispute resolvers, governance, staking and EVM/Ewasm for custom blockchains.

Protocol

- Arbitrary communication between any two BFIC chain participants, or between BFIC and Ethereum protocols.
- Module Security as a service provided either by dedicated validators or by Ethereum.

SUPPORTED CHAINS

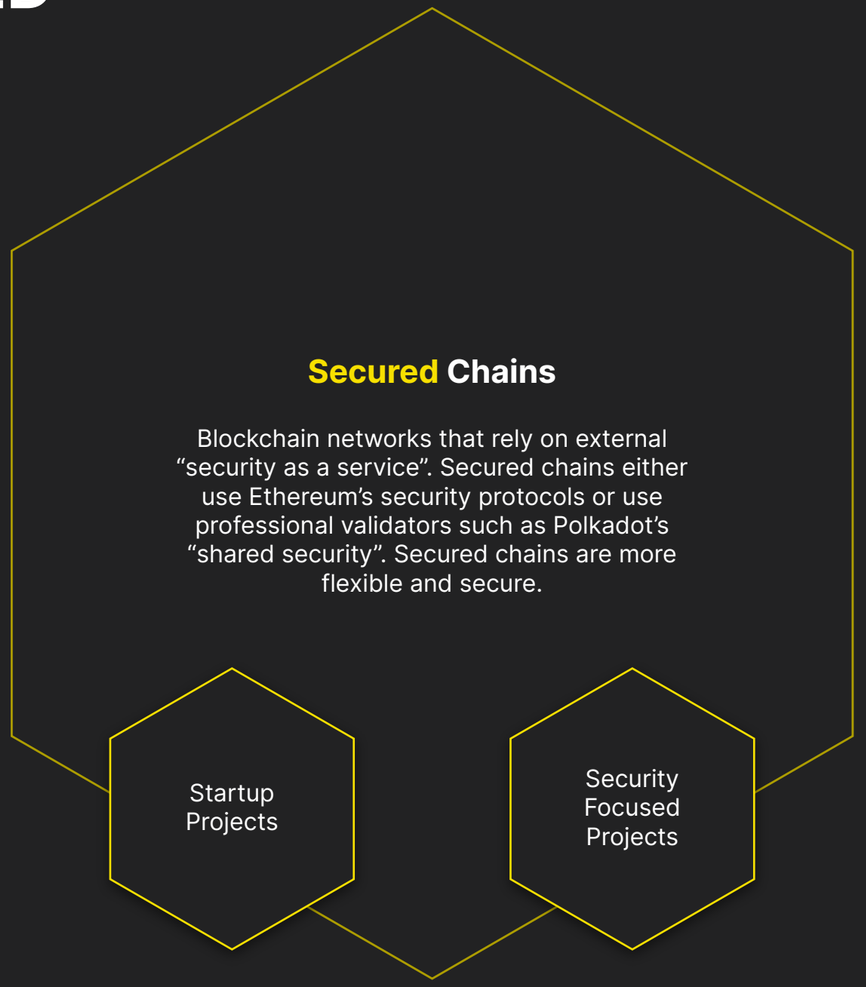


Stand-alone Chains

Ethereum-compatible blockchains that are responsible of their own security. With their own dedicated pool of validators, these blockchain networks are more independent and flexible.

Enterprise Networks

Community Projects



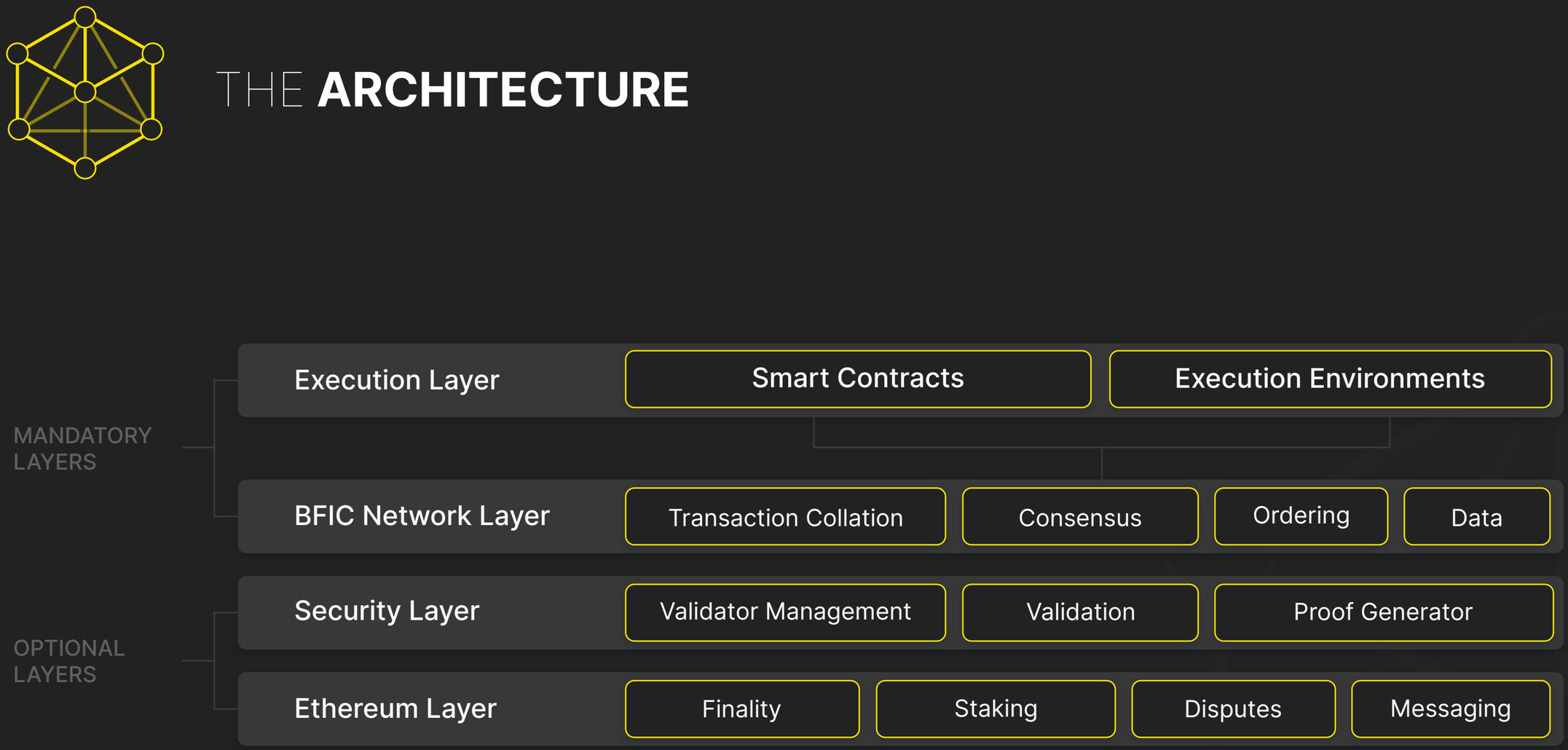
Secured Chains

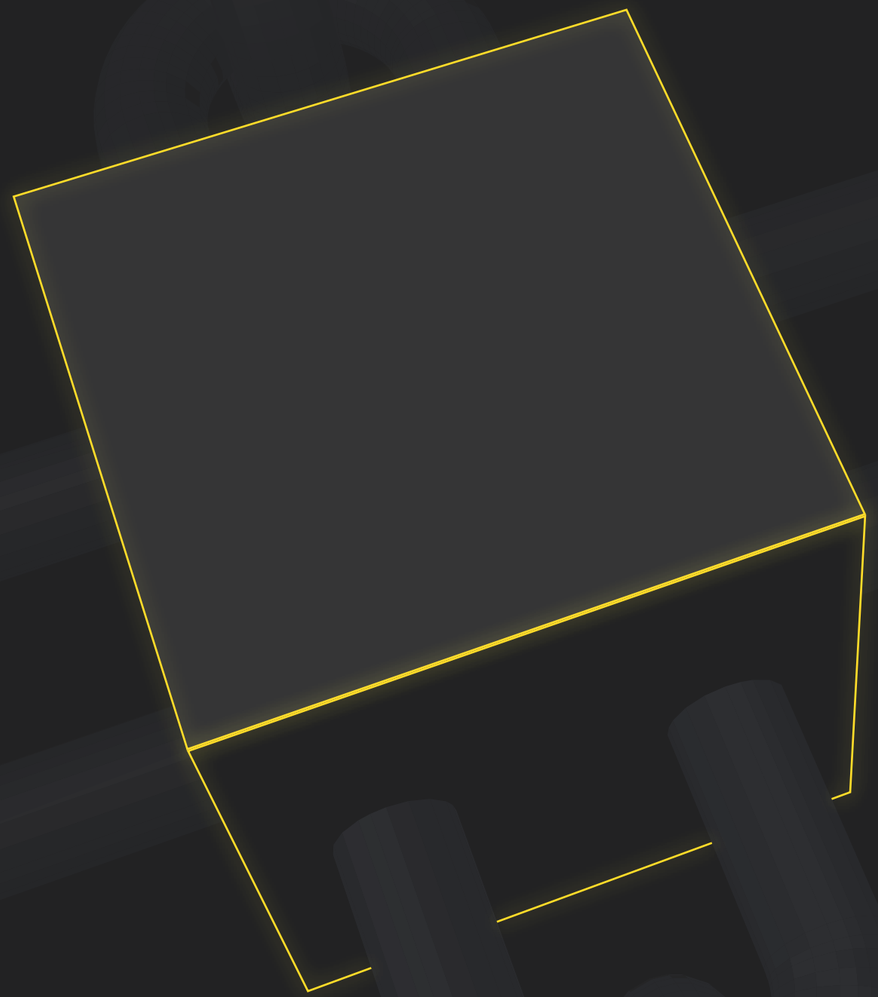
Blockchain networks that rely on external “security as a service”. Secured chains either use Ethereum’s security protocols or use professional validators such as Polkadot’s “shared security”. Secured chains are more flexible and secure.

Startup Projects

Security Focused Projects

THE **ARCHITECTURE**





EXECUTION LAYER

The execution layer interprets and executes BFIC network blockchains' confirmed transactions. It is resolved in to 2 sub-layers:

Environment Layer

pluggable virtual machine implementation

Logic Layer

logics and state transitions of BFIC network, interpreted as Ethereum smart contracts

BFIC NETWORK LAYER

A combination of sovereign blockchain networks. Each network maintains specific functions to serve its community.

- Transaction Collation
- Block Production
- Local Consensus

SECURITY LAYER

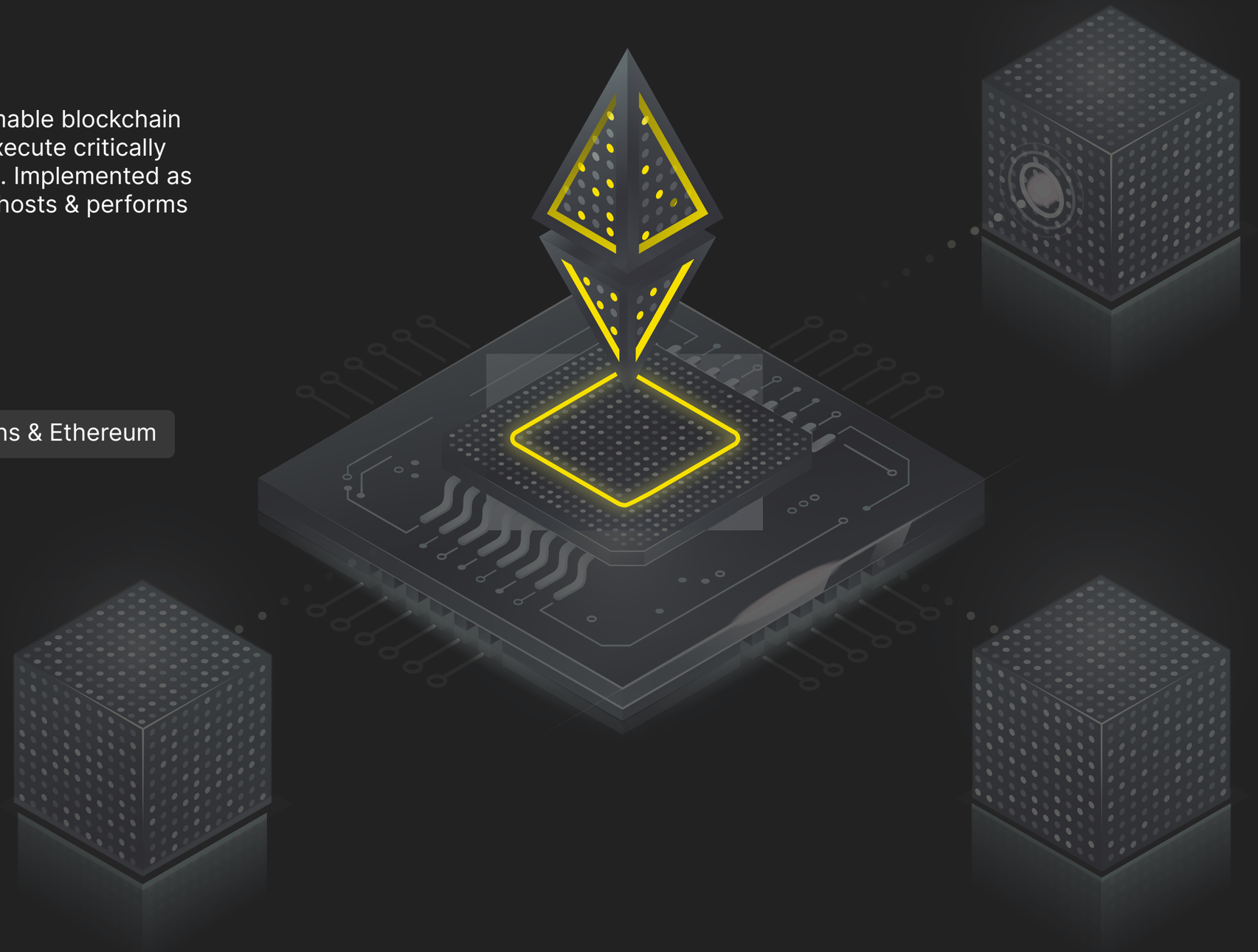
An optional layer responsible to provide validation and security. A constellation of validators to validate BFIC chain transactions for a fee. The security layer maybe implemented alongside Ethereum to perform the following functions:

- Validator Management
- BFIC Chain Management

ETHEREUM LAYER

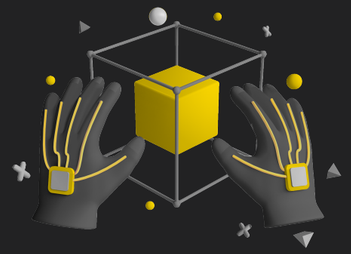
Ethereum, the most secure programmable blockchain can also be utilized as an option to execute critically essential components of BFIC Chains. Implemented as Ethereum smart contracts, this layer hosts & performs functions such as:

- Confirmation/Finality
- Dispute Resolving
- Communication between BFIC chains & Ethereum
- Staking



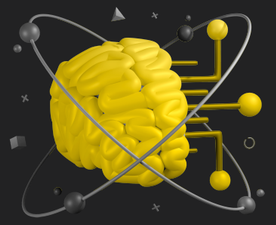
WEB 3.0

The BFIC protocol is a user-friendly platform that supports development for the Web 3.0 space. Developers enjoy predefined assets & tools to design and write applications for deployment on the BFIC blockchain.



METAVERSE

Augmented/Virtual reality is the next big thing in the digital world. The BFIC Blockchain supports AR/VR application for Metaverse platforms.



SMART CONTRACTS

The BFIC Network is compatible with (EVM) Ethereum Virtual Machine. This enables developers to deploy an Ethereum smart contract on the BFIC Network.

GAMING

Smart Contracts on the BFIC Network can be utilized by game developers to create and deploy in-game collectibles, items, trading cards and any decentralized gameplay inventory or environment.

DEX

The BFIC protocol can host DEX platforms that facilitate the decentralized transit of tokens deployed on Ethereum or BFIC Blockchain. This can be achieved via Automated Market Maker or ERC-20 smart contracts.

NFT

Non-Fungible Tokens (NFTs) can be deployed on and transferred to & from the BFIC Network using BFICoin. Ethereum compatible NFT assets can be bridged through BFIC Network.

THE TOKENOMICS

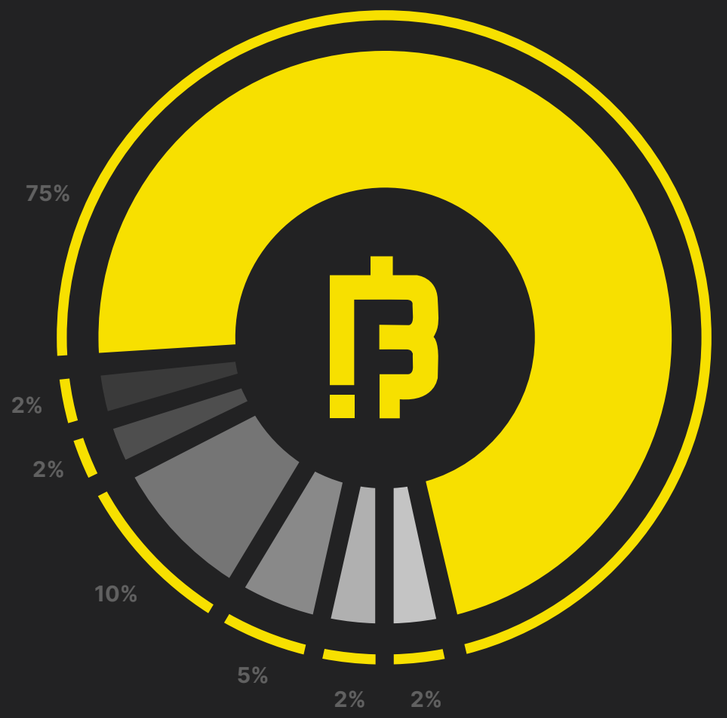
BFICoin is the native token of BFIC Blockchain. Its purpose is to reward miners and validators for adding blocks to the blockchain and as a payment medium for transaction fees. BFICoin will also act as the core transaction instrument for the entire BFIC ecosystem.

MAXIMUM SUPPLY

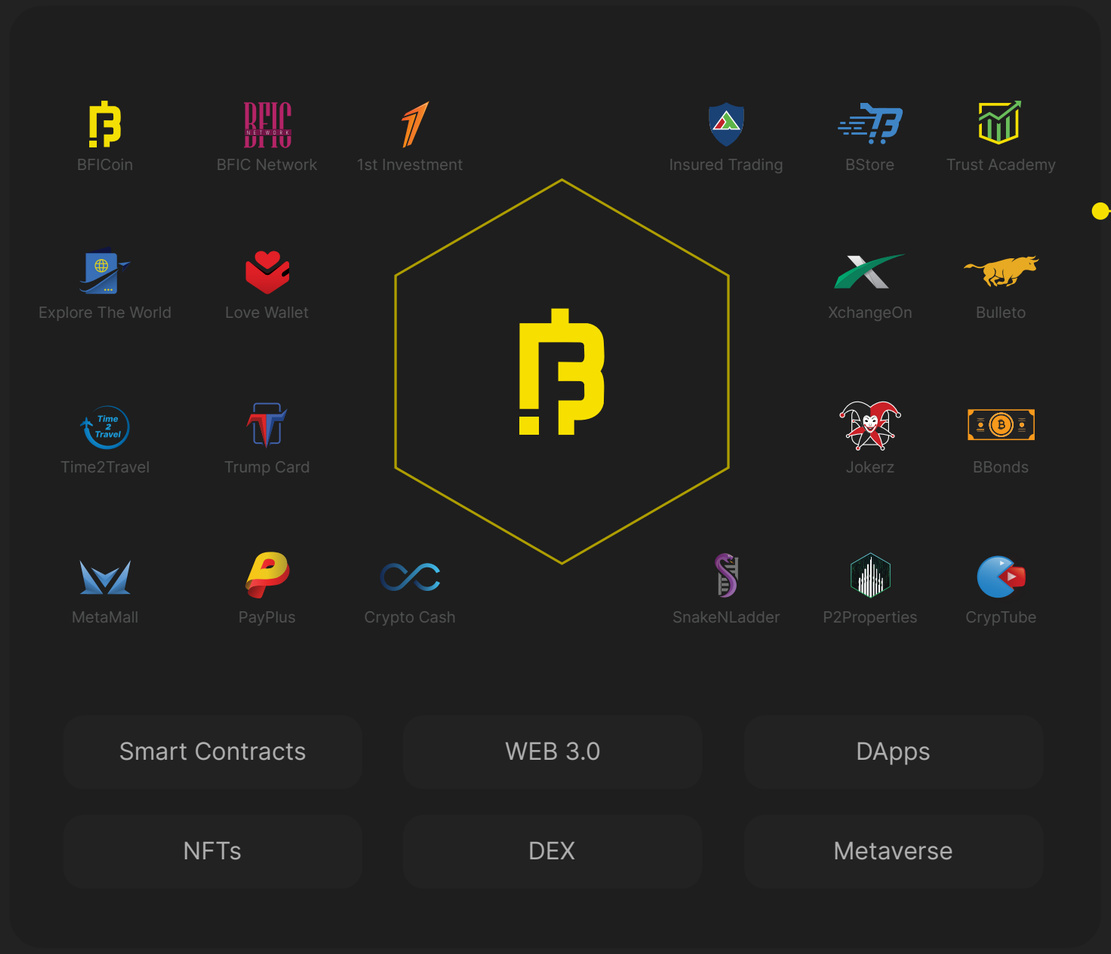
The maximum supply of BFICoin is set to be 21 million tokens only. This makes the scarcity of BFICoin equal to that of Bitcoin.

SUPPLY DISTRIBUTION

The chart and the figures below reflect the distribution allocation of BFICoin's total supply.



02% EMERGENCY FUND	02% BOUNTY	03% SERVER MAINTENANCE	03% RESEARCH & DEVELOPMENT
05% ICO, IEO, AIRDROPS	75% REWARDS	10% TEAM	



THE UTILITIES & ASSOCIATES

The BFIC Blockchain can support NFTs, Smart Contracts, Web 3.0, Metaverse & DeFi platforms. BFICoin will gain utility in each of these formats.

20 PLANNED UTILITIES

06 LIVE UTILITIES

12 UPCOMING UTILITIES

THANK YOU

Visit the official website
to learn more about BFICoin,
its listings, utilities and
future roadmap.
www.bficoin.io

Explore the BFIC
Blockchain to keep
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and holders.
www.bficscan.io

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