

nodes

Litepaper

A modularized cross chain yield aggregation protocol utilizing collateralized assets through synthetic swaps.

Currently there are no cross chain interfaces for synthetic assets to allow free exchanges between environments. Utilizing a collateralized central yield aggregator, 0x_nodes can build bridges between chains for non-native assets to move easily and at low cost.

Utilizing 0x_nodes bridges will allow end users of our platform to optimize their yield bearing strategies for cross chain non-native assets.

Overview:

0x_nodes provides a multi functional interface for users to aggregate yields across chains while maintaining their presence on the ETH mainnet.

Through the 0x_nodes interface and kernel synthetic assets, end users will be able to interact directly with assets that are not native to the chains the end users are active on.

As decentralized networks grow the applications running on these networks will provide network specific benefits and use cases for end users of these networks will grow exponentially. Enhancing the end user experience strengthens the underlying networks and allows for greater adoption of the systems running on the networks.

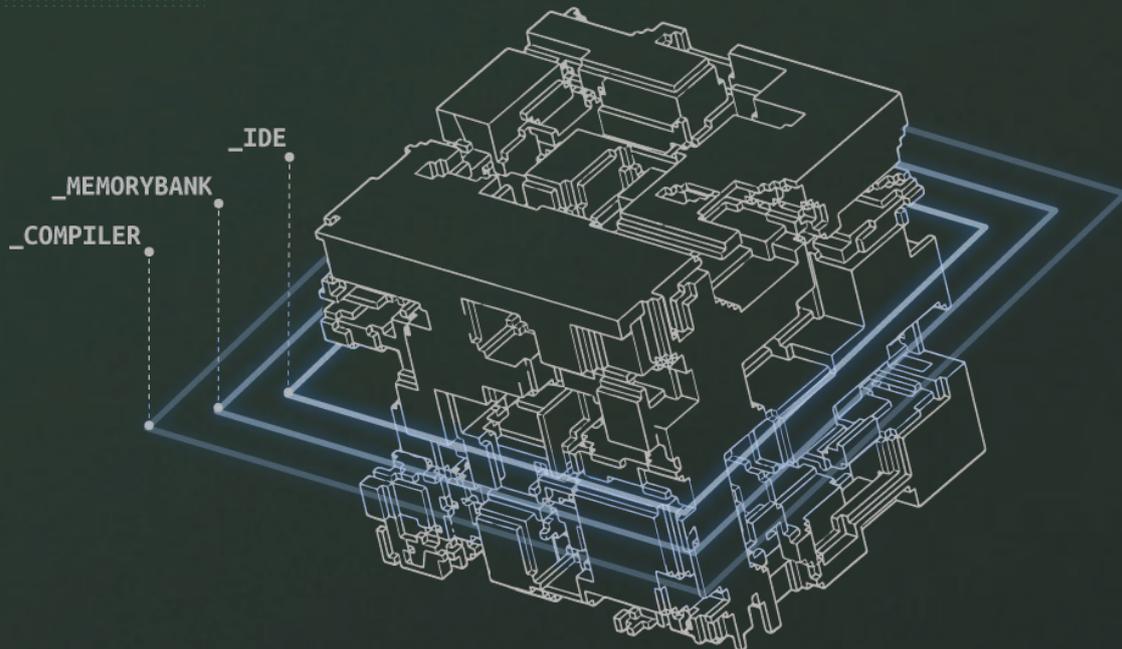
The velocity of technology evolving in decentralized networks is unprecedented. Building the infrastructure to interact across multiple networks can be burdensome, and through the 0x_nodes interface we aim to remove that burden by bringing ease of use to non-native networks. Additionally, by providing an enhanced cross interface 0x_nodes is capable of providing enhanced yield aggregation strategies that stretch across chains.

Every node in the 0x_nodes network is secure, reliable, redundant, and operates expeditiously without sacrifice. Through redundant interconnected nodes, and the networks these nodes are built on, 0x_nodes provides a secure environment for development and integrations.

“0x_nodes bridges chains and broadens end users yield aggregation strategies.”



“A feature rich deployment bridging multiple chains, and is structured for ease of use.”



_KERNEL

Kernel Technology: **_Kernel**

0x_nodes kernel technology is a multi tiered asset allocation system that dynamically adjusts asset weights and provides maximum benefit to the end user through cross chain yield pollination.

Bringing in cross chain asset allocations ultimately supports and drives the kernel technology so that the end user is able to build yield bearing strategies that suit their risk appetite.

0x_nodes instruments allows for the customization of portfolio management by bridging the assets available on each chain.

Layer 1: **_Ide**

The Integrated Developer Environment establishes each kernel as a single sided liquidity mining system. Through the IDE, end users provide single assets that the kernel pairs to provide liquidity across decentralized exchanges.

This method of liquidity providing will be core to the centre of any node in the 0x_nodes network regardless of which chain the kernel is deployed to. This simplifies the knowledge the end user needs to understand in order to operate within the 0x_nodes ecosystem(s).

Utilizing different combinations of tokens will benefit the user by modifying the timetable for conversion between internal and external tokens.

Layer 2: _Memory Bank

Every `0x_node` deployment contains an interpreter to convert assets inside the ecosystem. The end user utilizes a module named the memory bank by inserting the rewards tokens from layer1 and returned a single asset that then can be moved freely within the system.

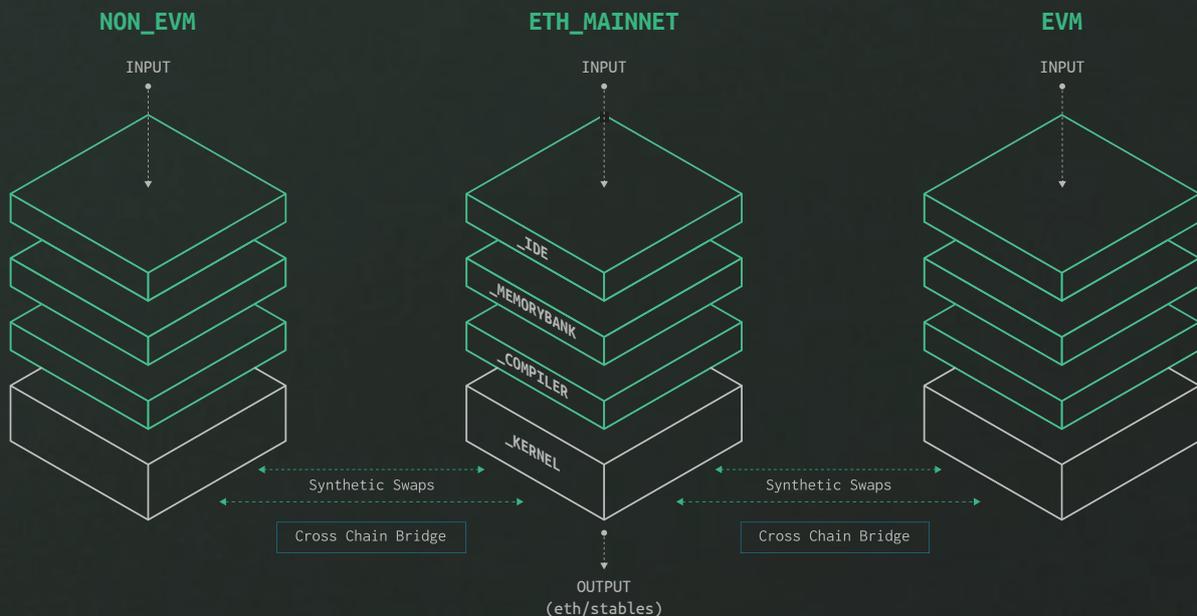
All tokens utilized inside a single `0x_node` deployment will be deployed on bonding curves so that the system can optimize for user interactions. It is possible that a single user will be rewarded with more rewards than the next module can handle, in which case the rewards will automatically be added to the users central storage unit, avoiding unnecessary external system calls.

Layer 3: _Compiler

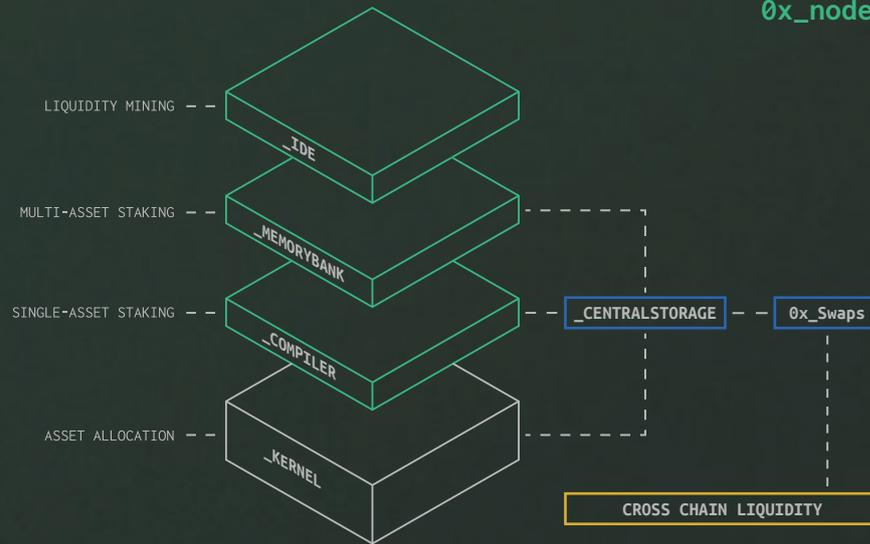
After the end user migrates the uncompiled reward tokens and receives the compiled subroutines in the form of `0xCODE` they are then ready to interface with the kernel.

Interfacing with the kernel consumes the compiled `0xCODE` token(s), which results in the reward asset being pushed to the end users wallet. Any interaction with the kernel will be prompted to choose the returned asset from a selection of any connected kernel throughout the `0x_nodes` network.

“Building a cross chain economy that is robust and reliable.”



`0x_nodes` Ecosystem



Synthetic assets

The problem in blockchain yield aggregation is the infrastructure the user needs to enable to move across chains with ease. Utilizing the 0x_nodes infrastructure solves this problem. The 0x_nodes system accepts assets and issues yield aggregation methods from inside the kernel. This function allows the user to reap the benefits of yielding across chains without the need for local infrastructure.

The 0x_nodes kernels will be creating synthetic assets to move across the 0x_nodes bridges connecting networks that have been previously unreachable.

Governance

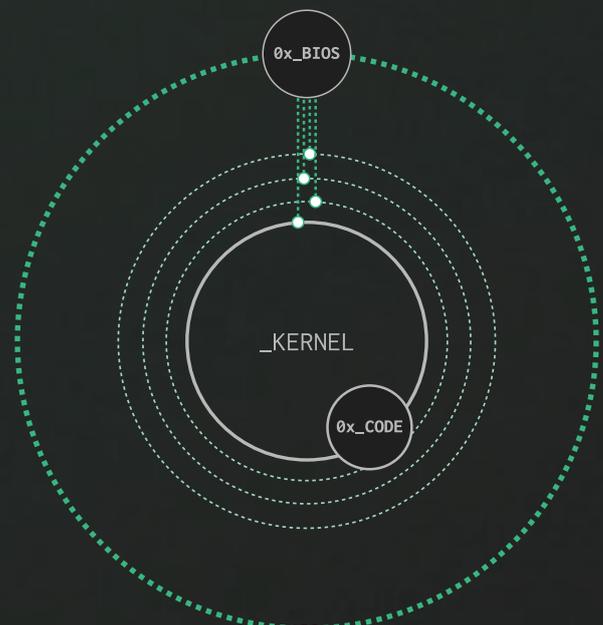
Central Processing Unit:
 0x_nodes is a construct of multiple DAOs. Every module inside the 0x_nodes system operates independently as its own DAO and is capable of accepting proposals on a modularized level. Through the central processing unit all proposals will be written, and submitted with the 0xBIOS token as the voting mechanism.

Token Mechanics

0xBIOS - the governance token. This token will be used in creating, and voting on module independent proposals as well as system wide changes.

0xCODE - kernel interaction token. This token will be used in all kernel interactions. If the end user needs to interact with the kernel internally, or externally 0xCODE will be required.

0xCPY - emission modifier for single sided liquidity in the IDE.



“Every module is it’s own DAO.”



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Connect to 0x_nodes

