

ANVIL - Asynchronous Natively Verified Intertrade Ledger

ANVIL is a dual blockchain authenticator come transaction recording ledger built using hyperledger. It creates save states based on the amount of transactions and reverts the transactions if found to be inconsistent with the median behavioural pattern of the user. All the transactions including but not limited to payment, trade, purchase, Coin creation, Investment Portfolios are secured using ANVIL.

Each request to write in the blockchain is honored by 1 CRYPTX token, the issuance of CRYPTX is as a premined token initially, when the chain is decentralized enough it will be a mineable coin.

1.The Forge (Platform Transaction Module) :

The PTM acts as the node that connects to the Blockchain, the platform interacts with the blockchain through this module that will be decentralized . The Trades that take place on the platform is recorded as a Transaction that will be identified using the CRYPTX token that is used to do the particular trade. This is available to all the users that use CRYPTX token to do the trades, payments, investments from mobile, desktop and wearable devices

2.The Mint :

This is a module available to all who want to deploy their own coin using the ANVIL blockchain, Each coin is identified with the CRYPTX token that will be used to create the particular coin, this will allow seamless reverse integration of any available denomination in the market to be secured by ANVIL making the transactions more accessible and transparent.

3.Dual Blockchain:

The Dual Blockchain architecture of ANVIL completely stops any wrong transactions to go into the ledger this is accomplished by having the first layer of the blockchain do the authentication and then write the transaction to the second layer.

The ANVIL Forge(PTM) and Mint are connected to the first layer Blockchain henceforth called as the Authenticator blockchain, which will authenticate the CRYPTX token used for the transactions. When the authentication is successful the transaction is then written to the second layer blockchain henceforth called as the Ledger blockchain.

Authenticator Blockchain:

The authenticator blockchain has a number of pre written scripts that performs the authentication based on the transactions and makes the transaction write ready for the Ledger Blockchain.

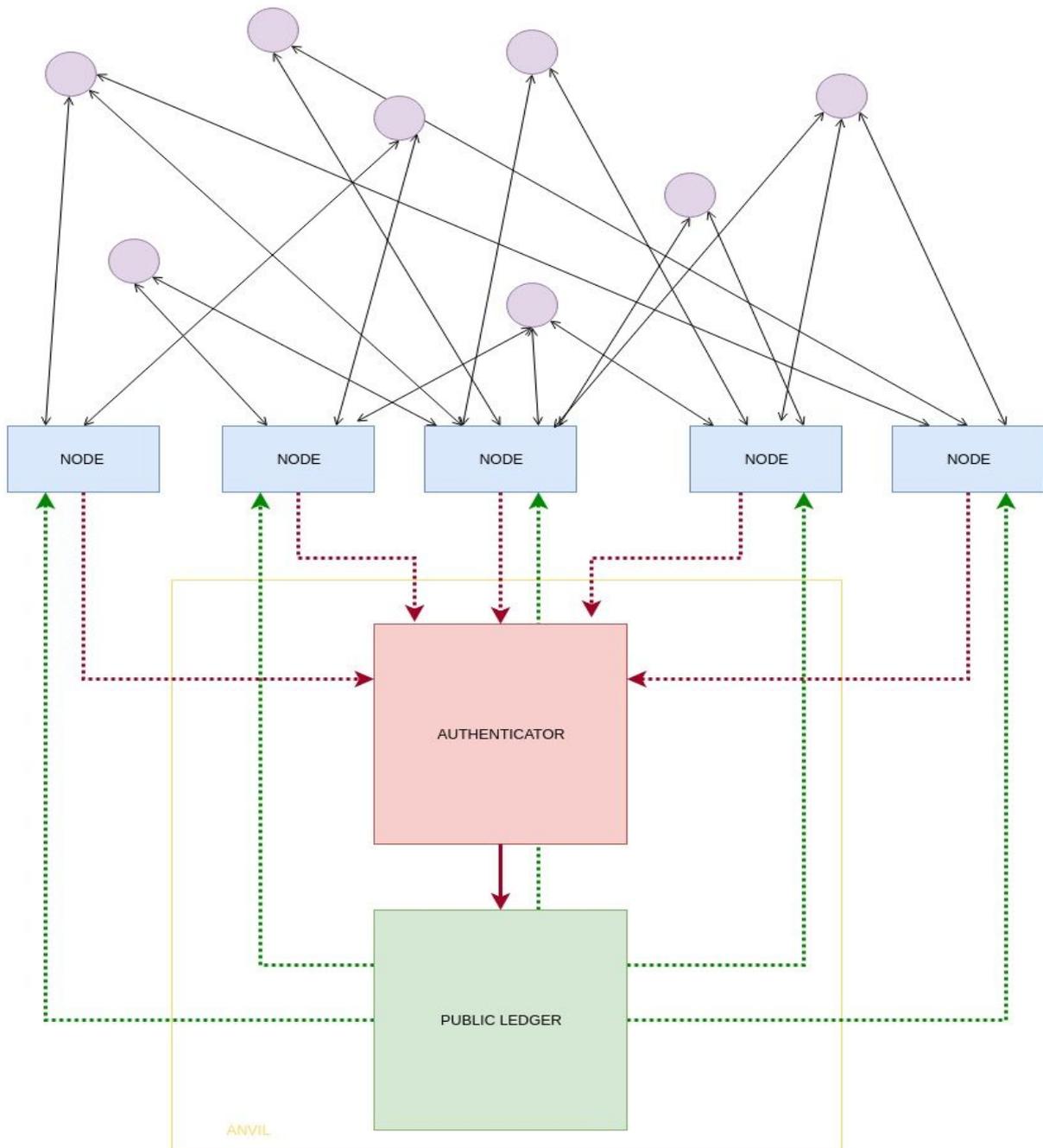
The authenticator blockchain has different sets of scripts for Forge and Mint, the authenticator also controls the flow of CRYPTX tokens by keeping an account of the number of consumed and available tokens in circulation, when the circulation goes less than a threshold it automatically mints the needed number of CRYPTX token based on the rate of consumption.

This layer is responsible for selecting the next block creator from all the nodes that are available, it uses the Proof of Elapsed Time (PoET) to select the block creator.

Ledger Blockchain:

The Ledger blockchain saves all the transaction from both Mint and Forge and keeps it immutable as is the nature of a decentralized ledger. The Ledger Blockchain is a public ledger where in any one can see the list of transactions that happened on the platform using a block explorer.

Only the Authenticator Blockchain can write transactions into the Ledger Blockchain, there by ensuring that there are no false transactions on the Ledger blockchain. The Ledger Blockchain is a general purpose distributed ledger which can be used to store the data that is written to it by the Authenticator Blockchain and can be proposed to store any kind of data from the Authenticator Blockchain



CRYPTX Token:

The CRYPTX Token is the identifier that is used for authentication on the Authenticator Blockchain and acts as the transaction identifier for the Ledger Blockchain.

In current metrics the 1 CRYPTX token is used to store one transaction, based on that ,

1 trade = 1 buy transaction + 1 sell transaction = 2 CRYPTX Tokens

1 Payment = 1 Transaction = 1 CRYPTX

For Investment Portfolios,

Each time you create an investment portfolio, add a coin to it after creating or remove a coin from it, it costs 1 CRYPTX. However dissolving the whole portfolio also costs the same 1 CRYPTX.

For Minting purposes,

1 CRYPTX token is divisible into 18 decimal points, user can create a token using any number of tokens, example : say u create 1,000,000 of x coins with 1 CRYPTX, this can be done by dividing the 1 CRYPTX token by 1,000,000. This 1 CRYPTX is consumed to create your token, and every transaction you do with the created token will consume 1 CRYPTX to write on ANVIL

For Fundraising purposes,

Tokens Minted using ANVIL can be used to crowdfund a project on the CRYPTX Financial Platform, using CRYPTX token to purchase a crowdfunded token will record the transaction on ANVIL thereby making the return from the investment made in to the project a binding contract between an individual and the said project