

PROTOCOL ZERO



TABLE OF CONTENTS

III	THE MISSION
IV	WHAT IS MEV
V	FLASHBOTS
VI	PROTOCOL ZERO
VII	OPENGSN & HOW ITS DONE
VIII	USE CASES
IX	THE EVOLUTION
X	TOKENOMICS
XI	ZRO IN ETH 2.0
XII	Q & A
XIII	SOCIAL LINKS

THE MISSION



Protocol Zero is evolving the way cryptocurrencies are traded. By seamlessly connecting users to the utility through dapps, we make these tools accessible, opening up infinite possibilities for experienced traders and remove the barrier for entry among beginners



WHAT IS MEV?

The term *MEV* (Maximal Extractable Value) can be misleading as one would assume it is miners who are extracting this value. In reality, the MEV present on Ethereum today is predominantly captured by DeFi traders using flashbots through structural arbitrage trading strategies. One example of such structural arbitrage opportunities are Uniswap price arbitrage trades: when a Uniswap pool's assets become mispriced, a profit opportunity is created to arbitrage the Uniswap pool back to parity with other trading venues.

\$664,302,271

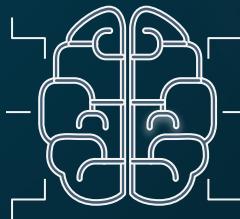
MEV (Maximal Extractable Value) in 2021



FLASHBOTS



- Flashbots allow users to send a bundle of transactions directly to miners so their transaction will be included in a block without ever being seen in the mempool
- Most commonly flashbots are used to protect from malicious bots. For example, by making a large Uniswap trade or executing an arbitrage via Flashbots, bots cannot see your transaction and frontrun it.



- Miners include your transaction in a block because they earn revenue from gas fees, but with flashbots you can include transactions with a gas price of zero, as long as you also include a transaction that pays the miner in ETH in some way.



WHAT IS THE NOGAS PROTOCOL



Protocol Zero was built on the open source framework of OpenGsn. A major UX problem in Ethereum is that most wallets are “EOAs”, such as MetaMask. With EOAs, you always need ETH for gas unless you happen to be interacting with a contract that supports meta-transactions. Protocol Zero fixes all of this. You can now bundle any sequence of transactions, send them for zero eth, and at the end use the “PayMaster” contract which will swap some of your native token for ETH to tip the validator.

OpenGSN & HOW PROTOCOL ZERO DOES IT?

STEP 2. OPENGSN RELAY

Transaction is sent via OpenGsn relay to interact with our TokenSwap Contract that swaps your erc20 token



STEP 1. SIGN

User signs 0 gas transaction approving ZERO to be sent to 0xdead

STEP 3. SWAP & TIP

The PayMaster Contract then swaps a portion of your native token to eth to tip the miner

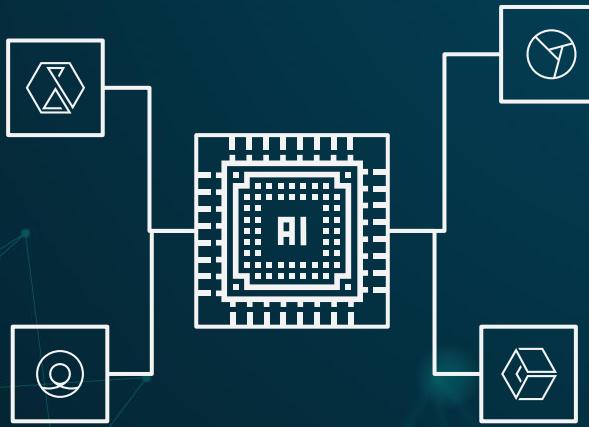
USE CASES

Safe and secure method to bundle DEX swaps while paying 0 gas

DEX TRADING

ONBOARDING

Provides a simple & friendly UI, for the first time allowing users access to these tools without coding experience



Best known method for NFT Mint arbitrage allowing you to mint and sell an NFT within the same block

NFT MINTING

DUST SWAP

Users can swap the “dust” in their wallets that was previously not worth the gas to recover

THE EVOLUTION



Recruit core Dev team

Q1 2022

Q2 2022

Build V1 Dapp & begin alpha testing

\$ZRO Token Launch

Q2 2022

Q4 2022

Release V1.5 Gas less
Dapp to \$ZRO holders
(Beta)

NFT Tools V1

Q4 2022

Q4.5 2022

Deploy Phase II

TOKENOMICS



100,000,000,000

\$ZRO

ETHEREUM ERC20

TOTAL TOKEN SUPPLY

2% MAX WALLET
2% MAX TRANSACTION

MAX TX & WALLET

TOKEN SYMBOL

2% MARKETING
1% FUTURE UTILITY
1% LP
2% DEV TEAM

BUY TAX

NETWORK

5% MARKETING
1% FUTURE UTILITY
1% LP
2% DEV TEAM

SELL TAX

PROTOCOL ZERO IN ETHEREUM 2.0

Since the transaction ordering process in ETH 2.0 will be the same as that of PoW Ethereum (ETH 1.0), the same principles will apply. The difference lies in who has ultimate control over the ordering, namely validators rather than miners. Instead of tipping the miner, once ETH 2.0 is released it will then be the validator. Contrary to popular belief gwei prices WILL NOT decrease with the merge.



Q & A

HOW CAN NOGAS PROTOCOL HELP ME?

Users can privately and securely **BUY/SELL/SWAP** ERC20 tokens without having to spend eth on gas ever again

DO I NEED CODING EXPERIENCE TO USE THESE TOOLS?

No you don't, and therein lies the beauty of the NOGAS ecosystem. We've already done the hard part of turning complex code into a simple UI that anybody can use

HOW MUCH DO THESE UTILITIES COST?

These utilities don't cost anything for the time being, other than 10,000 \$ZRO sent to 0xdead.

