Background

The Ethereum network today is overrun with traffic, causing transaction fees to spike to levels that are not affordable for many use cases.
This is making it very difficult for non-finance dApps (decentralized applications built on top of Ethereum) to operate on Ethereum.

To ameliorate these issues, the Ethereum Foundation has been planning a very complex upgrade, Ethereum 2.0 (ETH2), to enhance the security, speed, efficiency, and scalability of the Ethereum network, so that it can process more transactions, ease bottlenecks, and fit more use cases, especially outside of finance.

Ethereum 2.0

What is Ethereum 2?
Ethereum 2.0 (ETH2) is an upgrade to the Ethereum network that aims to improve the network's security and scalability. This upgrade involves Ethereum shifting their current mining model to a staking model.

What is staking?

What is staking?
Staking is the process of actively participating in transaction validation (similar to mining) on a proof-of-stake (PoS) blockchain.

On these blockchains, anyone with a minimum-required balance of a specific cryptocurrency can validate transactions and earn Staking rewards.

Staking Eth
Staking is the act of holding Ethereum in your wallet to activate validator software. As a validator you'll be responsible for storing data, processing transactions, and adding new blocks to the block-chain. This will keep Ethereum secure for everyone and earn you new ETH in the process. This process, known as proof-of-stake. To participate in ETH2 staking requires operating a validator yourself or lending your tokens to someone else. In ETH2, validators propose, verify, and vouch for the validity of blocks. In exchange, honest validators receive financial rewards.
Validators need to post 32 ETH2 as collateral which will be slashed (forfeited) for producing bad blocks or going offline.

This architecture was created to try to ensure decentralization of the network.

KEYNOTE
In Staking, the coins to stake are held in your wallet. You will not be sending the coins to the pool or anyone. The coins are held in individual's Wallet.

What is Beacon Pool?

Beacon Pool is a network of decentralized nodes that perform validation services for the Ethereum 2.0 blockchain. Its purpose is to provide users who do not possess the required minimum of ETH tokens to stake, as well as those who do not have the technical skills needed to run a node.

We cover all the expenses of running a validator. Rather than depositing the minimum amount of 32ETH, investors can stake with the pool, without having up to the 32ETH required.

Moreover, the entire process is automated by Beacon Pool, and all validators are managed by the platform, without the need for any interaction from the user. However, Ethereum investors who wish to stake are still stuck with long term commitment of locking up tokens, even if they use Beacon Pool. Once staked, the staked amount is locked until 180 days.

Every time a user stakes ETH, he receives the ETH in your staking portfolio which will hold two main things: your stake and your yield. While the assets are locked up, stakers can only withdraw profits till the end of the stake which is 180days then the principal staked locked up can be withdrawn.

What are the rewards of staking ETH?

You could earn up to 3% in passive income on the ETH that you stake as a reward for helping validate and secure the network. ETH2 staking rewards are given in accordance to how much ETH is staked and the period of the stake. When there is very little ETH staked, the protocol rewards a small amount as an incentive and higher amount when a larger ETH is staked.

Are there risks staking Ethereum

Staking can be rewarding, but it also comes with the risk of loss of principal funds if the validator duties are not met. However, Beacon pool will cover these risks (at no extra costs) so your principal is safe.

Is there a staking minimum and maximum

There no minimum to check it out with us , there is a minimum amount of 2eth that's required to start direct stake , direct stake is where you earn daily. The percentage earned daily depends on the amount staked.

STAKE	Daily Percentage Return
2ETH	1%
4ETH	1.5%
8ETH	2%
16ETH	2.5%
32ETH	3%

What are the eligibility requirements to stake ETH?

To be eligible to stake ETH, you must:
1.   Have an Empty Blockchain Wallet.
2.   Able to fund your stake wallet.
3.   Have a MetaMask Wallet.

Where can I view my staked ETH?

Your staked ETH will appear in your staking portfolio .

This is because the staking portfolio is running the smart contract to the ETH MainNet. Please note that you fund using your Blockchain wallet.

## Will ETH staking rewards automatically be added to my staking balance?

Staking rewards will be added to your staking balance and you will be able to access them. ETH2 staking rewards will be reflected in your account in the staking portfolio. The staking rewards is sent directly to the staked wallet daily which is compounded.

How do I start staking ETH?

The instructor will guide you on that.

Will I be able to use my funds while I'm staking ETH?

You will be unable to trade, send, or sell the amount you have staked until the end of the stake which is 180 days.
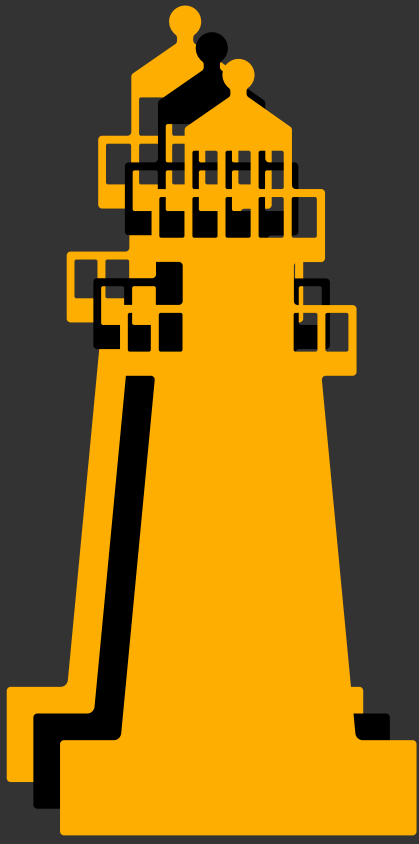
Beacon Pool

About Beacon Pool

1. **Staking Liquidity:** You are in control of your funds at all time. Your profits are withdrawal without having to wait for Phase 2 of Ethereum 2.0.
2. **Transparency:** Your funds are staked from your wallet you won't be sending any funds to anyone. The Stake rewards are sent directly to your wallet daily.
3. **Accountability:** Users that participate in ETH 2.0 stake are added to the smart-contract. In addition, ETH 2.0 staking rewards are sent daily.
4. **Management:** The pool is fully maintained by Beacon Pool Team. We cover all the expenses of running a validator, all you need to do is setup and start earning. Network redundancy and decentralization are key pillars of the Rocket Pool network. Any potential issues and their effects are minimized using this technique. Beacon Pool was originally designed in late 2017 using the Mauve Paper which was released by Vitalik. We've been in the space now longer than most, and it shows
5. **Backers:** We have received support from some of the biggest names in the industry.