



## The Ether-1 Project

**Website:** <https://www.ether1.org>

**Explorer:** <https://explorer.ether1.org>

**Wallet:** <https://wallet.ether1.org>

**Stats:** <https://stats.ether1.org>

**Nodes:** <https://nodes.ether1.org>

**ethoFS – Testnet:** <https://www.ethofs.com>

**Contact:** [admin@ether1.org](mailto:admin@ether1.org)

### Abstract

Imagine a world where social media content was completely held in the public domain and was 100% immutable. Imagine a voting system that was completely un-hackable and run with complete transparency. Imagine a version of the internet where the Googles, Facebooks and Amazons didn't control a majority of all web content and traffic flow. The idea of a completely decentralized, democratized web is not only a utopian dream but now achievable. Our project aims to bring all this together by providing a streamlined, completely decentralized development and content hosting platform that is usable by anyone.

### Disclosure

Our project has no ICO or pre-sale, no pre-mining of any coins or any other methods of obtaining coins prior to the main-net launch. This document has been created to outline our vision and direction for this project but meant to be read in conjunction with our website and other available media. Nothing herein constitutes an offer to sell, or the solicitation of an offer to buy, any tokens, nor shall there be any offer, solicitation or sale of anything in any jurisdiction in which such offer, solicitation or sale would be unlawful. Although this document contains our current vision for the project, this vision will be ever-evolving as block chains and blockchain technology is still in its infancy and constantly evolving itself.

### Problem

Society as a whole has a very flawed sense of how we use data and information security. We have become incredibly reliant on the internet for this information yet the need to protect it has not evolved as quickly as the internet itself. Imagine if all the information in recent social media data breaches was held in the public domain. This information could be disseminated based on public consensus and not

based on a flawed security profile or by anyone's individual needs. Imagine if societies facing information and internet censorship were able to access anything they wanted as this information was not being hosted on any one computer or network, subject to an over-reaching government's corruption, but all computers and networks freely accessible to anyone who wanted it. We need a streamlined solution to decentralize the holding of public data and that is what this project can offer the world.

## **Technology & Methods**

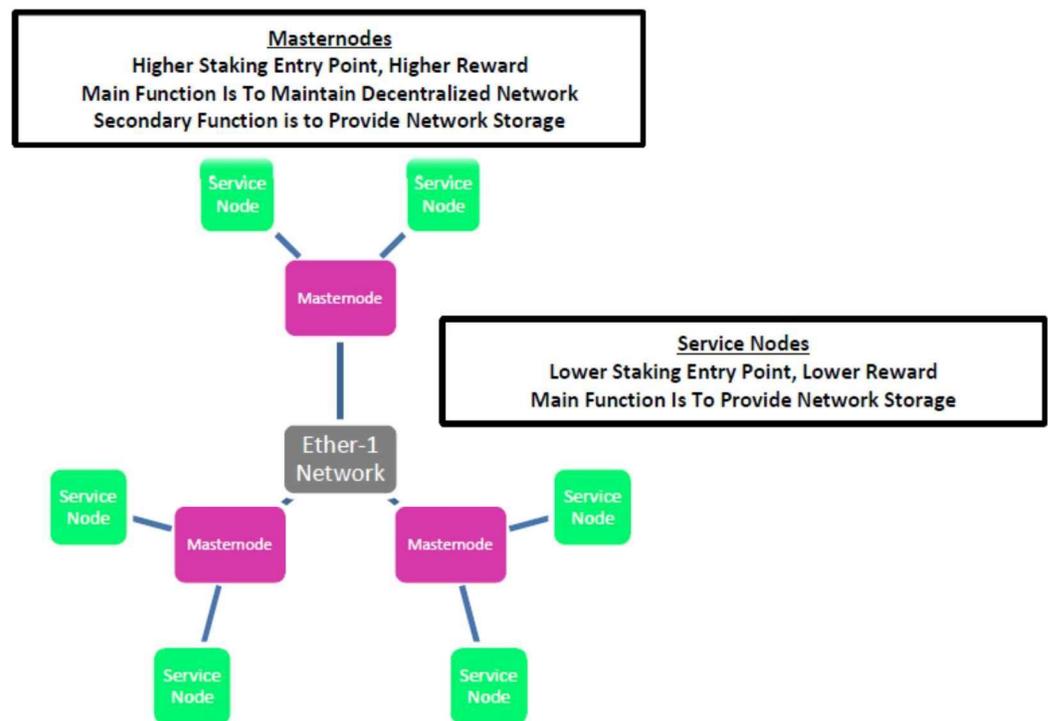
We will be using a clone (using the same code-base, but different ledger/chain) of the Ethereum protocol to base our network on. The network will use the popular Ethash proof-of work algorithm for consensus generation and will evolve with any up-stream Ethereum protocol changes as we see fit. The backbone of the consensus and economic systems will operate upon our tradeable currency. This currency will offer the incentive to both publicly contribute to the consensus mechanism along with incentivizing people to operate their own masternodes. It will also power the DNS-like data hosting mechanism keeping the entire system based completely on public consensus. We will offer far better transaction speed, stability and decentralization with a robust masternode system which will directly lend itself to the storage and network bandwidth needed to operate our content sharing protocol between these nodes for data access (similar to Ethereum's own Swarm Protocol). Our goal will be to provide the opportunity to host websites on our decentralized system of nodes and be directly identifiable and accessible via a DNS-like service. We will be providing a custom top-level domain (similar to Ethereum's ENS and .eth domains) that directly identifies hosted data via the blockchain and system of decentralized nodes. To an end-user it will be very similar to most classical hosting services (centralized) but will give them a fully decentralized solution that is identifiable by a very unique top-level domain. In the end, a user's data will be hosted almost everywhere instead of one single place with one single point of failure.

## **Monetary Policy**

Ether-1 will impose a soft cap (approximately 85 million) on the amount of ETHO by implementing a block reward reduction schedule. At every one millionth block, the reward will be reduced in order to reduce the overall emission of coins. This will continue until block 20 million at which time a decision on how the coin will be made on how to continue to reward masternode/service node operators. This point is estimated to occur after July-2022. Ether-1 will continue to work to control deflation of the coin while taking all other aspects of the project into consideration.

## Masternodes/Service Nodes

Masternodes will offer our network a greater level of computational power, storage and data accessibility which are all critical to a network like this. Network decentralization is critical to data and informational security and masternodes are a very useful protocol to give us these things. We will offer an incentive to anyone who chooses to reliably operate a masternode of sufficient size and bandwidth in return for adding this reliability and network decentralization. Masternodes will require 15,000 Ether-1 coins (ETHO). The requirements to operate a masternode are 40GB of available storage, 2GB of RAM and a public IP address. These requirements can be met by using a Virtual Public Server (VPS). A service node network will be operated along with the masternode network in order to provide the storage/bandwidth required for our ultimate goal of a complete end-to-end decentralized hosting solution. Service nodes will require 5,000 ETHO and 20 GB of available storage, 1GB of RAM and a public static IP address. The complete setup guide is posted on the Nodes section of the Ether-1 website.



### The Ether-1 Node Network

Our ultimate goal is to provide an end-to-end decentralized hosting solution with a very uniquely identifying top-level domain name so decentralized websites can be identified quickly and easily. Both node types will offer our network a greater level of computational power, storage and data accessibility which are all critical to a network like this. We will offer an incentive to anyone who chooses to reliably operate a either node type of sufficient size and bandwidth in return for adding this reliability and network decentralization.

## Network Specifications

<b>Algorithm</b>	Ethash/Dagger POW
<b>Target Block Time</b>	13 Seconds
<b>Total Block Reward</b>	13 ETHO
<b>Miner Reward</b>	10 ETHO / Block
<b>Masternode Reward (split 4 shares for MN, 1 share for SN)</b>	2 ETHO / Block
<b>Ether-1 Treasury Deposit</b>	1 ETHO / Block
<b>Network ID</b>	13114
<b>RPC Server/Port</b>	rpc.ether1.org:6585

## Roadmap

<b>Description</b>	<b>Timeframe</b>
Branding/Website	Complete
Network Explorer	Complete
Desktop & Web Wallet	Complete
Mining Pools	Complete
Exchange Listings	Complete (additional in progress)
Basic Masternode Deployment	Complete
Additional Wallets (IOS, Android, etc)	Currently in development – September 2018
Advanced Masternode Deployment	Testing phase – September 2018
Public Decentralized Forum/Board Utilizing & Testing Advanced Masternode/Content Sharing Protocol (Testing Phase)	Q4 2018
Subdomain Implementation of Content Sharing Protocol	Q4 2018
Custom Top-Level Domain Deployment	Q1 2019
Fully Decentralized Social Media Platform	Q1 2019
Further Roadmap to Be Determined By Community Need/Direction	To Be Determined

## Conclusion

We have identified a very complex issue plaguing our society today and this project aims to very directly address and fix this problem. By leveraging a great team, existing and new technologies and the power of public consensus we will be able to change not only the way we store and access data, but will fundamentally change how this data can and will be used.