

# Welcome to Clash of Nodes

## Objective

Avail is rapidly advancing modular blockchains and we're calling on node operators to join the Clash of Nodes campaign. This campaign acts as an important proving ground for the Avail network, providing participants with an incentivized, real-time testnet environment. It's designed to rigorously test Avail's capabilities as the base layer poised to support a new generation of rollup-centric blockchain infrastructure.

## Who is Clash of Nodes For?

A campaign for everyone.

### Light Clients

Join the Clash of Nodes by running a light client and take part in Avail's mission to build a scalable blockchain infrastructure. Avail's light client functionality is uniquely designed to empower anyone, anywhere to participate in the network.

### Validators

The Clash of Nodes incentivized testnet is an opportunity for validators to engage with Avail's infrastructure in a simulated production environment. Participants will contribute to the network's resilience through a series of challenges, with the potential to earn rewards based on their performance and engagement.

## Key Campaign Concepts

The following table serves as a quick reference to understand the various elements that make up the Clash of Nodes campaign.

If there are any unclear concepts about Avail, head over to the [glossary](#) for definitions and explanations.

Concept	Description	Challenges	Tasks or objectives that participants complete to test and strengthen the network.
Challenges	are designed to assess performance, security, and reliability as they relate to the data availability guarantees of Avail.	Points	A scoring system that rewards participants for completing challenges. Points are tallied on a leaderboard, with potential rewards for top performers.
Nominator Pools	Groups where participants collectively stake tokens to support a validator. This allows users to participate in network validation and earn rewards without running a full node.	Rollapps	Decentralized applications that use Avail's data availability layer. They are key to testing the network's capacity for handling application data.
DHT	Distributed Hash Table, a system used by light clients for efficient data storage and retrieval, crucial for maintaining data availability and integrity.	Vector Functionality	The network's capability to interact with other blockchains, enabling functionalities like cross-chain data verification and interoperability.

## Requirements to Participate

⚠️ ENSURE YOU AGREE TO FOLLOW THE ASSOCIATED T&CS AND CAMPAIGN RULES Please find the associated Terms and Conditions [here](#).

Please also make sure to read and adhere to the established rules and guidelines for the Clash of Nodes campaign, available [here](#). This will ensure a fair and enjoyable experience for all participants. If you're new to Avail, check out the [End User](#) and [Quickstart](#) guides.

### 1. Show Your Interest

If you're ready to take part in this groundbreaking testnet and haven't yet signed up, now is the time to step forward.

- If you're a validator looking to participate in the incentivized testnet, please express your interest by completing the [Validator Interest Form \(opens in a new tab\)](#)
- .
- If you're interested in becoming a light client operator, let us know by signing up using the [Light Client Operator Interest Form \(opens in a new tab\)](#)
- .

### 2. Setup Your Environment

To ensure a stable and efficient operation of your node in the Clash of Nodes campaign, the following hardware specifications are recommended:

Specification Minimum Requirements Recommended for Validators CPU 2 cores 4 cores or more RAM 4 GB 8 GB or more Disk Space 20–40 GB 40 GB SSD or more Operating System Ubuntu 20.04 LTS or higher Ubuntu 20.04 LTS or higher

### 3. Deploy Your Node

For instructions on setting up and running nodes on the Avail network, please refer to the following guides:

Node Type Guide Document Light Client [How to Run a Light Client](#) Validator Node [How to Become a Validator](#) If you require more information on node types within the Avail network, please consult the [Node Types Comparison document](#).

## Ready to Participate?

Head over to the [Challenges page](#) to start participating.

Below is a list of essential resources to help you navigate the campaign.

Resource Description [Challenges List](#) Detailed information on active and upcoming challenges, including objectives, eligibility, and scoring details. [FAQs](#) Answers to common technical and program-related questions about the Clash of Nodes campaign. [Clash of Nodes Leaderboard \(opens in a new tab\)](#) The leaderboard for the Clash of Nodes, showing node rankings and statistics. [Clash of Nodes Website \(opens in a new tab\)](#) The main website for the Clash of Nodes with general information and updates. [Discord Community \(opens in a new tab\)](#) Join the conversation and get support from the Avail team and community on Discord.

[Clash of Nodes Challenges](#)