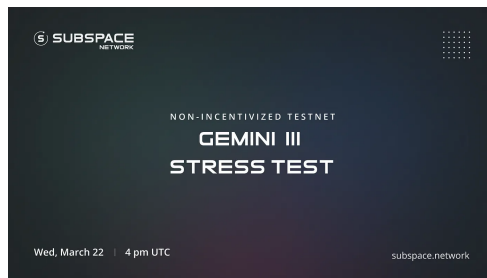


Guide to Farming on Gemini III — Non-Incentivized Testnet

By Subspace Network

Source: <https://blog.subspace.network/guide-to-farming-on-gemini-iii-non-incentivized-testnet-3e83425deb22>

Introduction to farming on the Subspace Network



Join the Subspace Network Gemini III Non-Incentivized Stress Test!

Date: Wednesday, March 22, 2023

Time: 4 pm UTC

Gemini III Non-Incentivized Stress Test

We are proud to announce the beginning of Gemini III, a series of permissionless public test networks. This will begin as a non-incentivized network to test our protocol on a live network. The features of Gemini III will continue to evolve over time through several iterations of test networks until we are ready to transition to the final incentivized test network.

For detailed updates on the latest upgrades, improvements, and releases, please join our community in Discord → <https://discord.gg/subspace-network> and keep an eye on our Forum → <https://forum.subspace.network/>.

Please note that there will be bugs, sync times may be slow, and there will be breaking changes down the road as we progress the codebase — but this is the fun part of being an early adopter — your contributions directly influence the changes made in the Subspace network. Bear with us as the initial goals at this stage are to launch the live network for testing and identify as many critical bugs as possible. So we need everyone in our community to help stress-test our network by running a farmer and keeping them online as long as possible throughout the various iterations of Gemini III. This will help us understand what we need to improve, accelerating our progress toward our next milestones.

Getting Started

Subspace is an open and permissionless protocol with a low barrier to entry. Unlike many existing proof-of-work (PoW) or proof-of-stake (PoS) networks, our novel Proof-of-Archival-Storage (PoAS) consensus mechanism allows anyone with a computer to join as a farmer and participate in consensus without any additional capital investment, token staking, or specialized hardware.

Official Documentation

For those who prefer to jump right in, please head over to our docs:
<https://docs.subspace.network/docs/protocol/cli/>

Recommended Farming Methods

As core contributors of the Subspace Network, the team's goal from day 1 has been to lower the barrier to entry and provide a seamless farming experience regardless of the users' technical ability. We are continuously working to improve the user experience for everyone and sincerely appreciate the feedback from our community — so please keep them coming!

Simple CLI — Recommended

The Subspace Network Farming CLI simplifies the farming experience by combining the node and the farmer in the same application. This not only improves user experience for farmers, but also improves system performance with lower RAM, networking, and CPU usage.

<https://docs.subspace.network/docs/protocol/cli>

Desktop Farmer App — GUI (*coming soon*)

The GUI will be easy to set up and use, similar to any other application installed on your computer.

Minimum Hardware Requirements

CPU: 4 Core+

RAM: 4 GB+ (Rec. 8 GB)

SWAP: 4 GB

Storage: 100 GB SSD

*In an effort to build a future-proof network that will withstand the decades of use coming ahead, the core contributors have had to take an SSD-friendly direction.

SSD-friendly direction provides:

- Better security with lower CPU usage (less energy consumption)
- Lower energy consumption and better performance (random reads)
- Allows simpler protocol design (simplicity is security with blockchains)
- And overall, it allows us to design a substantially better user experience for broader adoption

Recommended Wallet

SubWallet is a user-friendly Web3 Multiverse Gateway for the Substrate ecosystem.

SubWallet: <https://subwallet.app/>

Using SubWallet for Subspace: <https://docs.subspace.network/docs/protocol/wallets/subwallet>

Subspace Network Telemetry

The core contributors have had to deploy our own telemetry service that can keep up with the large number of farmers on the Subspace Network. Check out the map view to see the global geographical distribution of our farmers.

<https://telemetry.subspace.network/>

Subspace Network Technical Support Channels

- **Step 1:** Visit the Subspace Network forum (Support — Subspace Forum 16) and search for the issue you're facing to see if a solution has been presented.
- **Step 2:** Discord is a great place to get quick responses from our ambassadors and other community members. We encourage everyone to leverage our Discord server for peer-to-peer support.
- **Step 3:** If your question needs more attention and you notice other people asking the same question in Discord, and there is no solution in the knowledge base, please escalate the issue by posting in the Subspace Network Forum.

Subspace Labs Engineering Slack

If you want to stay up-to-date on the engineering team's groundbreaking work, join our Slack channel! Our engineers moved their discussions to Slack, which is open to the public. Do note, however, that the channel is primarily for transparency and is **read-only** for now.

Join the Subspace Labs Engineering Slack channel by filling out the form and wait for an email invitation: <https://forms.gle/Yo8on-AJj1TwyoMcgZ>

Subspace Research

Our research discussions have migrated to the forum, so don't miss out on the chance to witness the discussions leading innovation in blockchain technology: <https://forum.subspace.network/>

Let's Connect!

Website — <https://www.subspace.network> → <https://www.subspace.network/>

Discord — <https://discord.gg/subspace-network>

Telegram — https://t.me/subspace_network

GitHub — <https://www.github.com/subspace>

Twitter — <https://www.twitter.com/NetworkSubspace>