

Archaeologist Node Network Kickstart Plan

Testnet Archaeologist operations will be for the goal of kickstarting mainnet launch with a pool of available operators at launch date. This means setting a goal for a quota of running Nodes committed on testnet, and incentivizing them appropriately for that commitment of time and effort.

Testnet Operations Launch - Jan 20th (*Approximate timeline*)

Testnet Node Quota: 100 Active Nodes

Mainnet Switch and 6 Month Incentivized Operations- Week of March 1st - Week of September 1st (*Approximate timeline*)

Total Requested Funding From DAO: 620k SARCO

Ambassador Vault Address: 0xe74fc9DFc587241daD8A82aB50208355685D2b4C

Plan Phase Outline

This network startup plan will consist of **3 phases of operation, and 2 phases of incentives.**

1. Outreach and onboarding announcements including future incentive planning statements and assistance with startup of nodes from Ambassadors/Developers. This will be phase 1 of the incentive process startup.
2. Support provided by Ambassadors/Developers for code base updates as the network ramps up to operator quota.
3. Testnet swap for all running arches to mainnet dApp operations. This will launch phase 2 of incentives for Arches switching to mainnet.

Node Quota Goals

The initial Goal will be to have 100 reliable Archaeologist Node Operators on testnet with the intended commitment to mainnet operations at launch date. We expect to exceed this goal, but further incentive funding increases must be voted on via the DAO. Incentives will be awarded on a first come/qualify basis.

Incentive Plan : 500k - 560k SARCO Budget

Incentives will run in 2 phases. Paid out from the DAO and distributed by the Ambassador Vault.

Phase 1 - Testnet

100k SARCO Budget

The first phase will be an initial incentive for launching and maintaining an operating Archaeologist Node throughout testnet. This incentive will be 1000 SARCO per Node Operator and is intended to be used as an operation bond on mainnet. This will be paid out right before/at mainnet launch, with phase 2 in tow. Operators can launch multiple nodes, but incentives will be kept at 1 per operator.

Phase 2 - Mainnet Switch and Incentivized Operations - 6 Months

400k SARCO Main Budget + Ambassador Vault Holdings(60k SARCO)

The second phase will be a bond "lock in" period. Nodes that switch operation from testnet to Mainnet and lock 100% of their awarded testnet incentive(1000 SARCO) into an available bond for 6 months of operations without withdrawing, will earn an incentive of 4000 SARCO. This will work towards a healthy network base to build from by incentivizing long term network operation.

Nodes that did not operate during the testnet launch, but wish to operate a node at mainnet launch, will be allowed to match the 1000 SARCO bond(from their own funds) for 6 months to receive an incentive of 3000 SARCO. This portion will be paid out from the current Ambassador Vault holdings and is limited to 20 extra Operators; this will be first-come first-serve basis.

Ambassador Funding 120k SARCO

The Ambassador Vault has been successfully operating on the funding granted by the DAO on 08-24-2021. This Node incentive program will likely use the remaining operating funds during the process as well as increase personnel needs. This proposal includes a request to refund the Ambassador vault in the amount of 120,000 SARCO. This will give the Ambassadors an extended runway of 9 additional months of operation(at current expense rate) and allow program expansions to support the growing community and network.

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Node Operation Bounty Distribution and Terms

Archaeologist Node Operators will need to keep their services running for the duration of the phase they want to receive an incentive from. However, as operators are adjusting and learning how they want to balance their services, we expect some occasional down times which will include codebase updates and improvements, and will give a short grace period at the beginning of each phase for node startup and network transitions. With this in mind we want to set 4 overall standards of operation to keep it simple:

1. Maintain Node uptime on testnet >%95 (*~2 days out of 1.5 months approx. offline*) and Mainnet Node uptime >%99 (*~2 days out of 6 months offline*)
2. For Mainnet operation keep the posted 1000 SARCO bond locked for the entire 6 months (end dates will be posted and announced as they approach)
3. Keep digging fees within the range specified by the DAO for the duration of the incentive period. The digging fee range will start at 1-5 SARCO but may be updated periodically depending on network conditions. Updates to the fee range will be posted everywhere possible and will be voted on by the DAO. Node operators have 1 month from the posted fee change to comply.
4. Maintain a max_res time of greater than the incentive period. Nodes should be able to accept curses from users for the full duration of the incentive period.

Node Onboarding & Tracking Plan

To track the operators running Nodes, we will use a combination of Discord profiles, wallet addresses (used for each node), and feedback forms as a sybil gateway.

To join the pool of incentivized operators and launch a node, follow these steps:

1. Join the Sarcophagus Discord with a profile that is active/not new. This will help us screen out bot profiles.
2. Once joined, go to the #nodes-and-technical-discussion channel.
3. In this channel, **post the address of the testnet wallet you are going to use for your Archaeologist bonds and funding**. We will record your username and address together to track through the process, and allow users to change wallet addresses during mainnet

switch for security if desired. Once you have posted the address, we will send 200 gSARCO and .02 gETH to the wallet for operating the testnet Node.

4. Once operating testnet funds are received, follow these instructions to launch your node. Feel free to reach out for help in #nodes-and-technical-discussion channel!

<https://github.com/sarcophagus-org/quickstart-archaeologist>

5. **Mainnet Switch & Operations:** Once it is time for all of the nodes that have been operating on testnet to switch to mainnet, an announcement with details will be posted with a request for operators to verify their mainnet receiving address by posting it in the Discord #nodes-and-technical-discussion channel and fill out a survey about their experience. This will also allow us to take an active head count of operators, and verify which ones operated through the incentivized testnet phase. Once addresses are verified with feedback received, each mainnet address will be awarded the testnet incentive of 1000 SARCO. We expect this process to take a bit of time as operators post addresses, receive tokens, answer the feedback survey, and launch mainnet operations, but will try to keep the window <1 week. During this process the team will review launched node bonds and fee settings. After 1 week, a list of all participants who are qualified for the mainnet 6-month incentive plan will be posted publicly(or updated live in a public repository). This gives all involved a chance to give feedback and make adjustments if needed to qualify. Once the 6 month mainnet operation period is over, we will ask operators to complete another feedback form.

TL;DR Requirements for Operation Incentive:

ETH wallet w/private key access & Goerli testnet (Metamask, lancoleman, etc)

Linux PC setup with reliable internet or cloud VM

Active Discord profile

Feedback forms completed (at end of each phase)

VM pre-reqs listed here: <https://github.com/sarcophagus-org/quickstart-archaeologist>