

CORNUCOPIAS

FILE NODES AND POOLS | MAY 2024



POOL OPERATOR DECK

BECOME A PUBLIC POOL OPERATOR FOR ADDITIONAL COMPENSATION

If you have at least **8 File Nodes** and meet the original requirements from the File Node deck, you are eligible to operate a public pool to gain additional compensation on top of the original node rewards.

REQUIREMENTS FOR BECOMING A PUBLIC POOL OPERATOR

- » A Cornucopias Player Account
- » 8 File Node NFT Licenses per pool (Cardano and/or BASE)
 - within your connected wallet(s)
- » Host pool server
- » You must hold a minimum of 15,000 COPI tokens for each pool you would like to operate. This will be checked from the wallets you have connected to your player account

DEFINITIONS

FILE NODE OR FILE NODE LICENSE

Each File Node NFT that was purchased represents a File Node License. This is the foundational unit of how files will be distributed across the File Node network. A matchmaking algorithm will request the nodes to “do work” within the File Nodes Network when they are active.

FILE NODE OWNER

The party that currently owns the File Node NFT

FILE NODES NETWORK

The collection of all of the File Node owners working together to help Cornucopias create a better, less expensive way to download enormous game assets.

POOL SERVER

The software that is run by Pool Operators that creates part of the File Nodes Network. A pool server can represent many File Nodes. By running multiple File Nodes on a single pool server it will increase the amount of work it will be asked to do but also increase the potential rewards the operator will receive.

PUBLIC POOL SERVER

A File Node owner that has made their Pool Server open to the public for delegation. By default, File Node owner’s will run a pool server that is private.

REWARDS

What are given for participating in the File Nodes Network. A daily, fixed amount of COPI tokens will be distributed to eligible File Node license holders. Part of the daily reward will be distributed based on File Node’s reliability and availability. Part of the daily rewards will be based on active participation.

FILE NODE DELEGATION

The process by which one File Node owner gives another File Node owner the right to represent (or host) their File Node. The ability to delegate a File Node requires a yearly subscription fee. This subscription is for the convenience of those that choose not to have the technical burden of hosting their own node.

COMPENSATION

Paid to Public Node Pool Operators for hosting other File Nodes that they don’t own themselves.

ROLL OUT SCHEDULE FOR NODES AND POOLS

As announced rewards will start July 1, 2024 and each File Node will receive daily rewards if they meet the instructed requirements. We will be rolling out the nodes in phases. As of now, there will be 3 main phases.

PHASE 1

PREREQUISITES + REGISTRATION

PHASE 2

THE OWNERS DECISION

PHASE 3

GOING LIVE

PHASE 1 | PREREQUISITES + REGISTRATION

- » The Cornucopias team will mint the NFT's that you have purchased on July 1, 2024 and they will appear in your wallet. This will begin Phase 1 of the rollout.
- » To be eligible for daily COPI rewards:
 - Create a Cornucopias Player Account (if you do not already have one).
 - Connect your wallet(s) that contain your new File Node NFT(s) to your player account.
 - Verify your nodes are valid in the player account UI.
- » To be eligible for daily rewards, the player accounts combined wallets must hold at least 3,000 COPI tokens per active node. In the case where you own more than 5 nodes, you will only be required to hold a minimum of 15,000 COPI tokens to receive daily rewards.
- » In phase 1, all daily COPI rewards will be shared amongst all of the File Node owners that have activated their NFT(s).

PHASE 2 | THE OWNER'S DECISION

- » The pool server software and documentation will be rolling out soon after Phase 1 starts.
- » All COPI rewards will continue to be shared among all File Node owners that meet the Phase 1 requirements.
- » The Cornucopias team will be focused on supporting File Node owners and testing.
- » File Node owners need to decide how they will proceed into the final phase. Failure to execute on the decisions described in the next slide will result in a loss of potential rewards.
- » **Technical** – If a File Node owner wants to host their own File Nodes
 - The first releases of the pool server will be available to run using Docker. (Details will follow. This will require comfort with command line interfaces, Docker, and opening firewall ports.)
 - Once manual delegation is available, create a pool server in the Node Operator Admin and assign all your File Nodes to the pool server.
- » **Non-Technical** – If hosting a File Node seems difficult, consider delegating your File Node(s)
 - For a small subscription fee, delegate your File Node to a public pool.
 - Owners will have the option to delegate their File Node(s) to a public pool of their choice or allow the File Nodes to be distributed automatically across the File Nodes Network.

PHASE 3 | GOING LIVE

- » File Node owners will either be running their own File Nodes or will have subscribed to the delegation service to delegate their File Node(s).
- » Participation COPI rewards will be equally shared among active File Nodes. An active File Node is one that is assigned to a pool server that “checks in” several times a day.
- » Most COPI rewards will be distributed through performance rewards. File Nodes that perform to the required standards will receive a larger proportion of rewards than those that do not meet the standards. All File Nodes will be measured by the pool server to which they are assigned. **It will be important to be on a reliable pool server to maximize rewards.**
- » Public pool operators will receive participation and performance rewards for the File Nodes they own and hosting compensation for each of the File Nodes delegated to their pool(s).
- » **Post Live** – Once everything is live and nodes are operating smoothly, we will add the auto-delegate feature.

PUBLIC POOLS

- » Public Pools running with a minimum of 8 of their own File Nodes will be eligible to receive delegates from actively subscribed File Node owners.
- » The number of delegates a public pool can receive is directly proportional to the number of File Nodes owned by the operator and assigned to the pool. (* We will start with a ratio of 1:2 owned to hosted File Nodes)
- » There will be a discretionary maximum number of File Nodes that can be active on each public pool to protect the distributed strength of the network. (* We will start with a maximum of 30 File Nodes)
- » Public Pool Operators will receive hosting compensation for every File Node delegated to their pool. Delegates are free to move from day to day.
- » An availability and performance score will be publicly available on a dashboard to help delegates decide which public pool they wish to delegate to.
- » Availability and performance scores will also be used to sort the public pools into tiers. The high-performing public pools will be eligible to receive the majority of the Automatic File Node delegations.

* These numbers will likely increase as we learn more about the file node network.

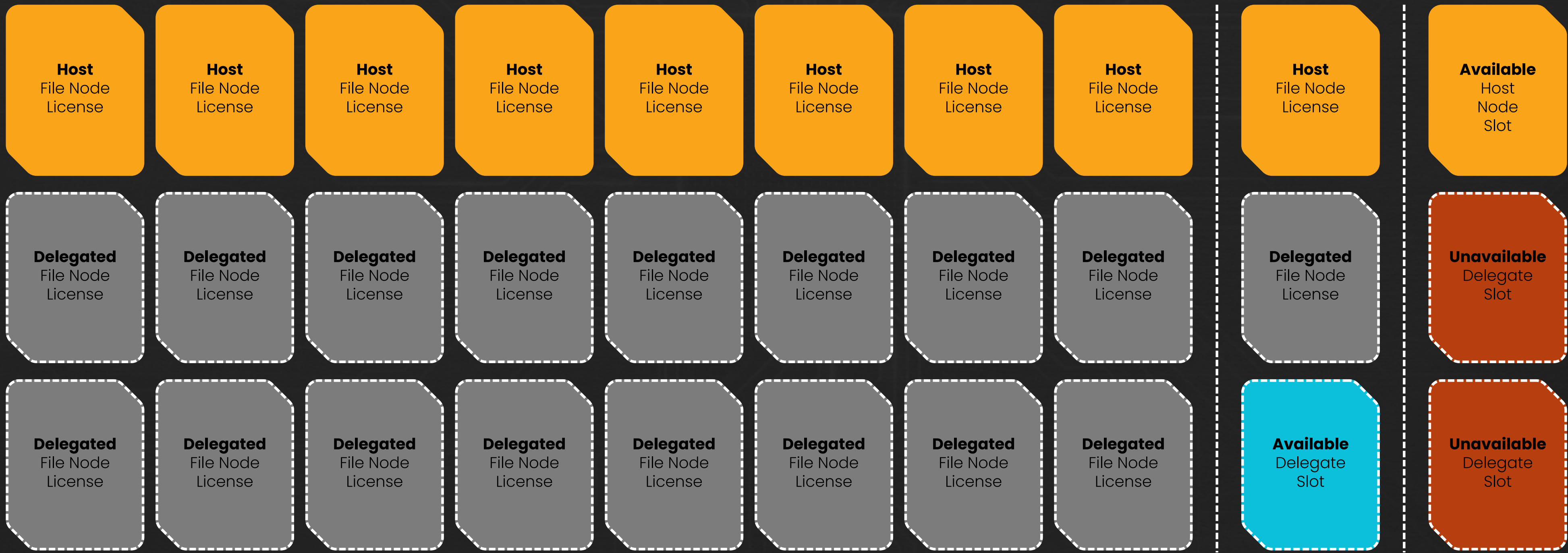
POOL + FILE NODE INCENTIVES

EARNING YOUR COMPENSATION

- » Pool servers (and by inference their File Nodes) will be measured by their ability and availability to satisfy requests when called upon.
- » Pool servers will “check in” several times a day. The percentage of check-ins per day will be one of the considerations when determining the availability score of the Pool and its File Nodes.
- » Pool servers will also be measured by the number and size of file requests they can fulfill successfully. Repetitive file-sending failures may reduce their File Nodes’ share of daily rewards.

PUBLIC POOL - INITIALLY AVAILABLE FOR LINUX (RECOMMENDED)
AND WINDOWS

MINIMUM of 8X AND MAXIMUM of 10X POOL OPERATOR OWNED FILE NODES



The diagram above shows how up to 30x File Nodes can be hosted on a Public Pool