Running a Koii RPC Node

Requirements

There are notable minimum hardware requirements in order to run a Koii RPC Node:

258 GB RAM or more 16 core 32-thread CPU 1 TB NVME SSD 1 GBPS up/down

Install Koii

After you've gotten your requirements together you can proceed to installing!

Get Required Packages

sudo

apt

install libssl-dev libudev-dev pkg-config zlib1g-dev llvm clang

Create a Separate User

Best practice is to create a non-root user for security reasons:

sudo adduser koii sudo

usermod -aG sudo koii sudo

su koii

Get the Koii software

Run the following install script:

sh -c " (curl -sSfL https://raw.githubusercontent.com/koii-network/k2-release/master/k2-install-init_v1.14.19.sh) " Run the System Tuner:

koii-sys-tuner --user koii

Setup a Koii Validator with RPC Functions

Generate a Keypair:

koii-keygen new --outfile ~/validator-keypair.json Run the Validator command, with RPC options identified. You may need to play around to get the correct configuration. An example is given below:

koii-validator \ --identity /home/koii/validator-keypair.json \ --only-known-rpc \ --full-rpc-api \ --no-voting \ --ledger /mnt/ledger \ --accounts /mnt/accounts \ --log /home/koii/koii-rpc.log \ --rpc-port 8899

\ --rpc-bind-address 0.0 .0.0 \ --private-rpc \ --dynamic-port-range 8000 -8020 \ --entrypoint entrypoint.testnet.solana.com:8001 \ --entrypoint entrypoint2.testnet.solana.com:8001 \ --entrypoint entrypoint3.testnet.solana.com:8001 \

Test Your Endpoints

There maybe additional configurations necessary to complete your setup. You should consult the [Validator setup guide](#) for Koii and the [RPC Setup Guide](#) for Solana to ensure you've covered all necessary steps.

Setup your Provider on Lava Network

Once you've been accepted - to set up your provider on the Lava Network, you can refer to the [provider setup documentation](#) available elsewhere in our docs. This should provide you with the necessary information to configure and operate your provider node. [Edit this page](#) [Previous Getting Koii RPC](#) [Next Lava x Lava](#)