# Running a Agoric RPC Node

## Requirements

caution Users may experience issues when attempting to run instructions using versions >= 18.19.0 ofNode.js . Node versions >=18.19 introduce a breaking change to AgoricSDK, and are not currently supported. There are notable minimum hardware requirements in order to run a Agoric RPC Nodes:

16 GB RAM 4-Cores x86_64 CPU High Performance/NVMe SSD (w/ ~6 GB+/month for Full Node or ~12 GB+/month for Archive) 1 GBPS up/down To get started with your node, be sure that you have Go 1.20.2 or higher installed.

## Install & Run AgoricSDK

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

### Get Required Packages

sudo

apt -qy install

curl

git jq lz4 build-essential nodejs = 16 .* yarn

### Get the Agoric software

Run the following install script:

# clone the repo

git clone https://github.com/Agoric/agoric-sdk -b < GIT-BRANCH

cd agoric-sdk

# Install and build Agoric Javascript packages

yarn

install yarn build

# Install and build Agoric Cosmos SDK support

( cd packages/cosmic-swingset &&

make ) You'll need to select a to use. You can see the latest branch[here] .

### Configure your node

Configuration involves a few steps:

# First, get the network config for the current network.

curl https://main.agoric.net/network-config

chain.json

# Set chain name to the correct value

# chainName

jq -r .chainName < chain.json

# Confirm value: should be something like agoricdev-N.

echo

chainName

# Replace with the public name of your node.

# NOTE: The `--home` flag (or `AG_CHAIN_COSMOS_HOME` environment variable) determines where the chain state is stored.

# By default, this is HOME/.agoric.

agd init --chain-id chainName

< your_moniker

**Adjust your Config**

## Set peers variable to the correct value

## peers

( jq '.peers | join(",")'

< chain.json )

## Set seeds variable to the correct value.

## seeds

( jq '.seeds | join(",")'

< chain.json )

## Confirm values, each should be something like "077c58e4b207d02bbbb1b68d6e7e1df08ce18a8a@178.62.245.23:26656,..."

echo

peers echo

seeds

## Fix Error: failed to parse log level

sed -i.bak 's/^log_level/# log_level/'

HOME /.agoric/config/config.toml

## Replace the seeds and persistent_peers values

sed -i.bak -e "s/^seeds =./seeds = seeds /; s/^persistent_peers =./persistent_peers = peers /"

HOME /.agoric/config/config.toml

**Sync Your Node**

## agd start --log_level

warn If you want or need to use a genesis file - be aware that this includes additional steps . The official Agoric mainnet genesis file is available here: https://main.agoric.net/genesis.json

**Check the Status of your Sync**

agd status | jq .SyncInfo Once you have fully synced, you're good to go.

### Setup your Provider on Lava Network

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 Agoric RPC Next Avalanche x Lava