

# Running a Agoric RPC Node

## Requirements

caution Users may experience issues when attempting to run instructions using versions  $\geq 18.19.0$  of Node.js . Node versions  $\geq 18.19$  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](#)