

Osmosisd

Minimum Requirements

The minimum recommended specs for running osmosisd is as follows:

- 8-core (4 physical core), x86_64 architecture processor
- 32 GB RAM (or equivalent swap file set up)
- 1 TB of storage space

You can check if you have enough storage to run osmosisd [here](#).

Command Help

Go to [commands](#) to learn more.

Quick Start

Go to <https://get.osmosis.zone/> or copy and paste the following into your terminal, then follow the onscreen instructions:

```
curl -sL https://get.osmosis.zone/install > i.py && python3 i.py
```

If you are running on an Apple M1 Chip and are running into issues with osmosisd not being a recognized command:

```
git clone https://github.com/osmosis-labs/osmosis.git cd osmosis make build sudo cp build/osmosisd /usr/local/bin
```

Manual Installation

Update System

This guide will explain how to install the osmosisd binary onto your system.

On Ubuntu, start by updating your system:

```
sudo
```

```
apt update sudo
```

```
apt upgrade --yes
```

Install Build Requirements

Install make and gcc.

```
sudo
```

```
apt
```

```
install
```

```
git build-essential ufw curl jq snapd --yes Install go:
```

```
wget -q -O - https://git.io/vQhTU |
```

```
bash -s -- --version 1.19.9 After installed, open new terminal to properly load go
```

Install Osmosis Binary

Clone the osmosis repo, checkout and install v11.0.1:

```
cd
```

```
HOME git clone https://github.com/osmosis-labs/osmosis cd osmosis
```

```
git checkout v11.0.1
```

```
make
```

install Note If you came from the testnet node instruction [click here to return](#)

If you came from the mainnet node instruction [click here to return](#)

Commands

This section describes the commands available from `osmosisd`, the command line interface that connects a running `osmosisd` process.

add-genesis-account

Adds a genesis account to `genesis.json`.

Syntax

```
osmosisd add-genesis-account < address-or-key-name
```

',' Example

```
osmosisd add-genesis-account acc1 '2000000000uOsmo,550000ukrw'
```

collect-gentxs

Collects genesis transactions and outputs them to `genesis.json`.

Syntax

```
osmosisd collect-gentxs
```

debug

Helps debug the application.

export

Exports the state to JSON.

Syntax

```
osmosisd export
```

gentx

Adds a genesis transaction to `genesis.json`.

Syntax

```
osmosisd gentx < key-name
```

```
< amount
```

```
< coin-denominator
```

Example

```
osmosisd gentx myKey 1000000uOsmo --home  
/path/to/home/dir --keyring-backend
```

os --chain-id

test-chain-1 \ --moniker = "myValidator"

\ --commission-max-change-rate = 0.01

\ --commission-max-rate = 1.0

\ --commission-rate = 0.07

\ --details = "..."

\ --security-contact = "..."

\ --website = "..."

help

Shows help information.

Syntax

osmosisd help

init

Initializes the configuration files for a validator and a node.

Syntax

osmosisd init < moniker

Example

osmosisd init myNode

keys

Manages Keyring commands.

migrate

Migrates the source genesis into the target version and prints to STDOUT.

Syntax

osmosisd migrate < path-to-genesis-file

Example

osmosisd migrate /genesis.json --chain-id

testnet --genesis-time

2020-04-19T17:00:00Z --initial-height = 4000

query

Manages queries.

rosetta

Creates a Rosetta server.

Syntax

osmosisd rosetta

start

Runs the full node application with Tendermint in or out of process. By default, the application runs with Tendermint in process.

Syntax

osmosisd start

status

Displays the status of a remote node.

Syntax

osmosisd status

tendermint

Manages the Tendermint protocol.

testnet

Creates a testnet with the specified number of directories and populates each directory with the necessary files.

Syntax

osmosisd testnet Example

osmosisd testnet --v 6 --output-dir ./output --starting-ip-address 192.168.10.2

tx

Retrieves a transaction by its hash, account sequence, or signature.

Syntax to query by hash

osmosisd query tx < hash

Syntax to query by account sequence

osmosisd query tx --type

acc_seq < address

: < sequence

Syntax to query by signature

osmosisd query tx --type

signature < sig1_base64,sig2_base64 .. .

txs

Retrieves transactions that match the specified events where results are paginated.

Syntax

```
osmosisd query txs --events ' --page < page-number
```

```
--limit < number-of-results
```

Example

```
osmosisd query txs --events 'message.sender=cosmos1...&message.action=withdraw_delegator_reward' --page 1 --limit 30
```

unsafe-reset-all

Resets the blockchain database, removes address book files, and resets data/priv_validator_state.json to the genesis state.

Syntax

```
osmosisd unsafe-reset-all
```

validate-genesis

Validates the genesis file at the default location or at the location specified.

Syntax

```
osmosisd validate-genesis < /path-to-file
```

Example

```
osmosisd validate-genesis < /genesis.json
```

version

Returns the version of Osmosis you're running.

Syntax

```
osmosisd version Edit this page Previous Build and Test Next IDE Setup * Minimum Requirements * Command Help * Quick Start * Manual Installation ** Update System * Install Build Requirements * Install Osmosis Binary * Commands ** add-genesis-account ** collect-gentxs ** debug ** export ** gentx ** help ** init ** keys ** migrate ** query ** rosetta ** start ** status ** tendermint ** testnet ** tx ** txs ** unsafe-reset-all * validate-genesis * version
```