



- Getting Started ▼
 - Introduction
 - Validator Overview
 - Install
 - Deploy
- Concept ▼
 - General Concepts
 - Token Economy
- Infrastructure ▼
 - Node Topology
 - Cloud Native Platform
- CLI Command ▼
 - Introduction

Deploy

[Deploy Own Testnet](#)
[Deploy Own Testnet\(with Docker\)](#)

Deploy Own Testnet

```
# Prerequisites -- go
wget https://dl.google.com/go/go1.13.3.linux-amd64.tar.gz
sudo tar -xvf go1.13.3.linux-amd64.tar.gz
sudo mv go /usr/local
export GOROOT=/usr/local/go
export PATH=$GOPATH/bin:$GOROOT/bin:$PATH

# prerequisites -- cmake
sudo apt install cmake

# set local own node
atopnode init [node_name]

atopcli keys add [validator_name]

atopnode add-genesis-account $(atopcli keys show [validator_name] -a) 1000000000uatop

atopcli config output json
atopcli config indent true
atopcli config trust-node true

atopnode gentx --name [validator_name]
atopnode collect-gentxs
atopnode validate-genesis

cd $HOME/.atopnode/config
vi genesis.json
# find all denomination word 'stake' and change it 'uatop'

atopnode unsafe-reset-all
atopnode start

# start rest-server
atopcli rest-server
```

Deploy Own Testnet(with Docker)

```
# build
docker build --rm -t atopcloud/acetop:$TAG .

# run /bin/sh
docker run -it -v ~/.atopnode:/atop/.atopnode -v ~/.atopcli:/atop/.atopcli --name atopcloud/acetop

# set local own node
atopnode init [node_name]

atopcli keys add [validator_name]

atopnode add-genesis-account $(atopcli keys show [validator_name] -a) 1000000000uatop

atopcli config output json
atopcli config indent true
atopcli config trust-node true
atopcli config chain-id acetophub

atopnode gentx --name [validator_name]
atopnode collect-gentxs
atopnode validate-genesis

# find all denomination word 'stake' and change it 'uatop'
cd $HOME/.atopnode/config
vi genesis.json

# find [rpc] laddr 'tcp://127.0.0.1:26657' and change it 'tcp://0.0.0.0:26657'
vi config.toml

atopnode unsafe-reset-all

# start node
docker run -it -p 26657:26657 -p 26656:26656 -v ~/.atopnode:/atop/.atopnode -v ~/.atopcli:/atop/.atopcli --name atopcloud/acetop

# start rest-server
docker run -it -p 1317:1317 -v ~/.atopnode:/atop/.atopnode -v ~/.atopcli:/atop/.atopcli --name atopcloud/acetop
```

[Previous](#) [« Install](#)

[Next](#) [General Concepts »](#)