

Localnet

This page describes how to run Neutron, Gaia, IBC and ICQ relayers locally, without Docker environment. Beware: you will have to clone all these repositories in the same parent directory, just like this:

```
. |—— neutron |—— gaia |—— neutron-query-relayer
```

Prerequisites

- Go version 1.20 or newer
- Rust toolchain v1.69 or newer

1. Install Neutron

```
git clone -b v2.0.3 https://github.com/neutron-org/neutron cd neutron make
```

```
install
```

2. Install Gaia

1. clone gaia: `git clone -b v14.0.0 https://github.com/cosmos/gaia.git`
2. `cd gaia`
3. `runmake install`

3. Install Hermes

```
cargo install ibc-relayer-cli --bin hermes --version 1.6 .0 --locked
```

4. Install Neutron Query Relayer

```
git clone -b v0.2.0 https://github.com/neutron-org/neutron-query-relayer cd neutron-query-relayer make
```

```
install
```

Start Localnet

1. `go toneutron/`
2. `folder and runmake init`
3. `,` this will start Neutron and Gaia chains
4. `aftermake init`
5. `completes, runmake start-rly`
6. `,` this will start IBC relayer
7. (if you want to use [ICQ](#))
8. `) go toneutron-query-relayer/`
9. `folder and runexport (grep -v '^#' .env.example.dev | xargs) && make dev`
10. `,` this will start ICQ relayer

Some wallets and RPC's you could use

Gaia chain's RPC is exposed at 0.0.0.0:16657 , you can add and use mnemonic with some preallocated funds using

```
echo
```

```
"banner spread envelope side kite person disagree path silver will brother under couch edit food venture squirrel civil budget  
number acquire point work mass"
```

```
| gaiad keys add
```

```
test --recover You can also check your balance using
```

```
gaiad query bank balances " ( gaiad keys show test -a ) " --node tcp://0.0.0.0:16657 Neutron chain's RPC is exposed  
at 0.0.0.0:26657 , you can add and use mnemonic with some preallocated funds using
```

```
echo
```

```
"veteran try aware erosion drink dance decade comic dawn museum release episode original list ability owner size tuition  
surface ceiling depth seminar capable only"
```

| neutrond keys add

test --recover You can also check your balance using

neutrond query bank balances " (neutrond keys show test -a) " --node tcp://0.0.0.0:26657 [Previous Cosmopark Next Contributing](#)