RLY

Go Relayer (RLY) - Strangelove

Official documentation:https://github.com/cosmos/relayer/tree/main/docs Make sure you have installed go.

1. Install rly

Clone the repository, checkout the latest stable release and install rly

```

Copy git clone https://github.com/cosmos/relayer.git cd relayer && git checkout v2.4.0 make install

```

1. Initialize the config file

Run the following command to initialize the configuration in~/.relayer/config/config.yaml

```

Copy rly config init

```

1. Configure RLY

To set up the RLY config file You can add the respective channels and chains using the Chain registry queries:

```

Copy rly chains add secretnetwork rly chains add osmosis

rly fetch paths osmosis-secretnetwork

```

Or open the generated~/.relayer/config/config.yaml file, and copy-paste the sample configuration below and adjust it to point to the RPC endpoints of your Secret and Osmosis full nodes:

```

Copy global: api-listen-addr: :5183 timeout: 10s memo: Relayed by Me light-cache-size: 20 chains: secret: type: cosmos value: key-directory: /home//.relayer/keys/secret-4 key: default chain-id: secret-4 rpc-addr: http://127.0.0.1:26657 account-prefix: secret keyring-backend: default gas-adjustment: 1.2 gas-prices: 0.1uscrt min-gas-amount: 1 debug: false timeout: 20s block-timeout: "" output-format: json sign-mode: direct extra-codecs: [] coin-type: 529 broadcast-mode: batch osmosis: type: cosmos value: key-directory: /home//.relayer/keys/osmosis-1 key: default chain-id: osmosis-1 rpc-addr: http://127.0.0.1:26557 account-prefix: osmo keyring-backend: default gas-adjustment: 1.2 gas-prices: 0.01uosmo min-gas-amount: 10000000 debug: false timeout: 20s block-timeout: "" output-format: json sign-mode: direct extra-codecs: [] coin-type: 118 broadcast-mode: batch paths: osmosis-secretnetwork: src: chain-id: osmosis-1 client-id: 07-tendermint-1588 connection-id: connection-1244 dst: chain-id: secret-4 client-id: 07-tendermint-2 connection-id: connection-1 src-channel-filter: rule: "" channel-list: []

```

Now you need to add a new key for your relayer or import an existing one to use to sign and relay IBC transactions. Adding a new key happens with the following command:

```

Copy rly keys add secret [key-name] rly keys add osmosis [key-name]

```

If you already have a private key and want to restore it from your mnemonic you can use the restore subcommand.

```

Copy rly keys restore secret [key-name] "mnemonic words here" rly keys restore osmosis [key-name] "mnemonic words here"

```
```

If you specify a different [key-name] from default you would need to edit the config.yaml and change the key parameter value to the label that you've chosen.

Start RLY

If your nodes are fully synced, feel free to start the rly daemon:

```
```

Copy rly start

```
```

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