

Octez client: initial configuration

This document will guide you through all the steps to follow, so that you can prepare your gitpod environment, create a Tezos test account, check your balance, and the balance of other participants.

Make sure you understand what you do at each step, and don't just copy the commands blindly.

1. Setup gitpod

Create or log in to your Gitpod account at <https://gitpod.io/login>, using your existing GitHub or GitLab credentials.

2. Open our gitpod environment

Open this link, that should open the gitpod environment we have prepared for this training

<http://gitpod.io/#https://gitlab.com/nomadic-labs/training-gitpod>

If your Gitpod account was created with a GitHub credential, you must authorize GitPod to access repositories hosted on GitLab.

3. Point octez-client to a Tezos test network

To point octez-client to a public node of a Tezos test network, input the following command:

```
octez-client --endpoint https://ghostnet.ecadinfra.com config update
```

If everything goes well, the output should look similar to this:

```
gitpod /workspace/training-gitpod (master) $ octez-client --endpoint https://ghostnet.ecadinfra.com config update
Warning:
    This is NOT the Tezos Mainnet.
    Do NOT use your fundraiser keys on this network.
gitpod /workspace/training-gitpod (master) $
```

4. Disable warnings about connecting to a test network

Input the following command:

```
export TEZOS_CLIENT_UNSAFE_DISABLE_DISCLAIMER=yes
```

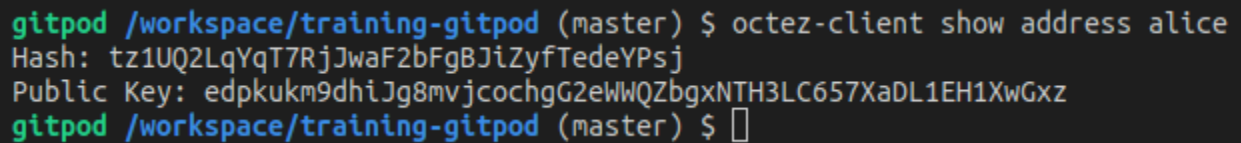
5. Create an account

Input the following command (for example using the name alice):

```
octez-client gen keys alice
```

Then to display the address of your new account, input this command:

```
octez-client show address alice
```



```
gitpod /workspace/training-gitpod (master) $ octez-client show address alice
Hash: tz1UQ2LqYqT7RjJwaF2bFgBJiZyfTedeYPsj
Public Key: edpkukm9dhiJg8mvjcochgG2eWWQZbgxNTH3LC657XaDL1EH1XwGxz
gitpod /workspace/training-gitpod (master) $
```

The address you will need is the Hash, starting with tz1.

6. Get some tez from a faucet

Go to this page: <https://faucet.ghostnet.teztnets.xyz>

On the right side, input your tz1 address, and request 2001 tez.

7. Check your account's balance

Input the following command, replacing alice with the name you picked for your account:

```
octez-client get balance for alice
```

If everything is set up correctly, it should output a single line the amount of tez the faucet allocated to your address. It may take a couple of minutes for the amount to be available.

8. Share your address with others

Run the following command to obtain your address:

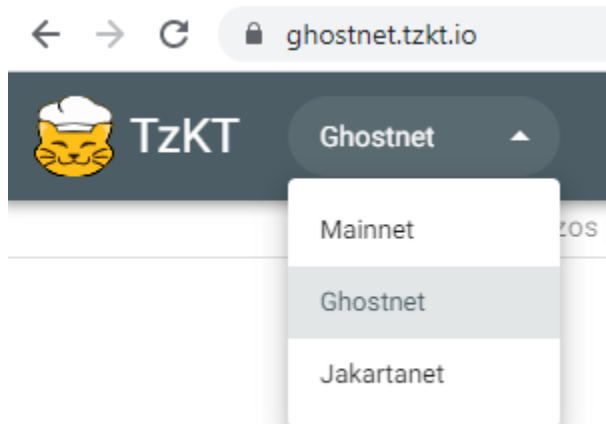
```
octez-client show address [alias of the account]
```

It starts with tz1.

You can share this address with other participants in the channel dedicated to this exercise.

9. Check your account on a block explorer

Go to <https://tzkt.io/> and select the ghostnet network you are using, in the drop-down :



In the search area of TzKT, paste the address of your account.

Check that the balance corresponds to what you saw with the command line.

Note that sometimes, it takes a few minutes for your account to be visible.

You may also check the address of other participants.

10. Create an alias for another account

Create an alias for another account, so that you don't have to input the full address every time you want to do transactions with that account.

For example to create an alias for your friend bob, input the following command:

```
octez-client remember contract bob [address of bob]
```

You can then check your friend's balance.

11. Save your configuration

Gitpod closes after 30 minutes of inactivity. Saved files are preserved, but not environment variables. To avoid having to re-configure each time you (re)open your workspace, you can create a config.sh file.

To create the file and open it in the vscode editor, input the following command:

```
code config.sh
```

Edit the content of this file, with commands that you want to run automatically:

```
octez-client --endpoint https://ghostnet.ecadinfra.com config update
export TEZOS_CLIENT_UNSAFE_DISABLE_DISCLAIMER=yes
octez-client import secret key alice [secret key] --force
```

You can view the secret key with: `octez-client show address alice --show-secret`
It starts with `unencrypted:edsk...`

12. Recover your gitpod workspace after a deconnexion

Gitpod turns your workspace off after 30 minutes of inactivity, to save server resources.

If your tab is still open, you can just click on a button to restart it.

However, if you closed that tab or your browser, you can go to <https://gitpod.io>, where you will see links to your previously used workspace. You can open it from there.

Once your workspace is reopened, input the following command, to run the commands you saved in your config.sh file:

```
source config.sh
```

