octez-client cheat-sheet

This document doesn't list all the features of octez-client, but covers everything that is presented during the training, and required to solve all the exercises.

Gitpod	https://gitpod.io/#https://gitlab.com/nomadic-labs/training-gitpod/
Faucet	https://faucet.ghostnet.teztnets.xyz
Contract explorer	https://better-call.dev/
Account explorer	https://tzkt.io/ Direct link for the test network: https://ghostnet.tzkt.io
List of nodes	https://tezostaquito.io/docs/rpc_nodes/
Nodes to use	`https://ghostnet.ecadinfra.com`

Bash commands

Enter the examples folder	`cd examples`
Go back to the parent folder	`cd ..`
Display the files of the current folder	`ls`

Display the content of a file	`cat [path of the file]`
Delete a file	`rm [path of the file]`
Create an empty file	`touch [path of the file]`
Copy a file	`cp [path of the source file] [path of the destination file]`
Open a file in vscode	`code [path of the file]`
Assign a value to an environment variable, for example to create one for an address or a contract	`ALICE_ADDRESS="[address of the account]"` `CONTRACT_ADDRESS="[address of a contract]"`
Display the content of an environment variable.	`echo $ALICE_ADDRESS`

Call and deploy a Smart Contract

Point your client to a node	`octez-client --endpoint https://ghostnet.ecadinfra.com config update`
Get rid of the warning	`export TEZOS_CLIENT_UNSAFE_DISABLE_DISCLAIMER=yes`
Create an account	`octez-client gen keys [alias of the account]`
Get the address of an account	`octez-client show address [alias of the account]`
Get the secret key of an account	`octez-client show address [alias of the account] --show-secret`
Create another alias	`octez-client remember contract bob [address of a contract or an account]`
Obtain the balance of an account	`octez-client get balance for [alias of the account]`

Open a config.sh file	`code config.sh`

Content of the file	```export TEZOS_CLIENT_UNSAFE_DISABLE_DISCLAIMER=yes```
	 ```octez-client --endpoint https://ghostnet.ecadinfra.com/ config update```
	 ```octez-client import secret key [alias of your account] [private key] --force```

Execute this file if you have been disconnected	`source config.sh`
Transfer some Tokens	`octez-client --wait none transfer 5 from alice to bob`
Addresses of the test contracts	```Exercise 1: KT1CENSNCADcnQUauEiTBNYcSabxcYBAKwsJ``` ```Exercice 2: KT1L8cMTbxGtQnqYQ2sA555cBLLuVfFxoRrM```
Call a contract	```octez-client --wait none transfer 0 from alice to contract1 --arg '[parameter value]' --burn-cap [maximum number of burnt tez]```
Deploy a contract	```octez-client originate contract [alias] transferring 0 from [account alias] running [path to contract file] --init [initial storage value, in Michelson] --burn-cap [maximum number of burnt tez]```

Example of contract	```parameter string;```
	 ```storage string;```
	 ```code { UNPAIR ; PUSH string "," ; CONCAT ; SWAP ; CONCAT ; NIL operation ; PAIR }```