Octez client : deploying a contract

1. Fetch the code of the contract

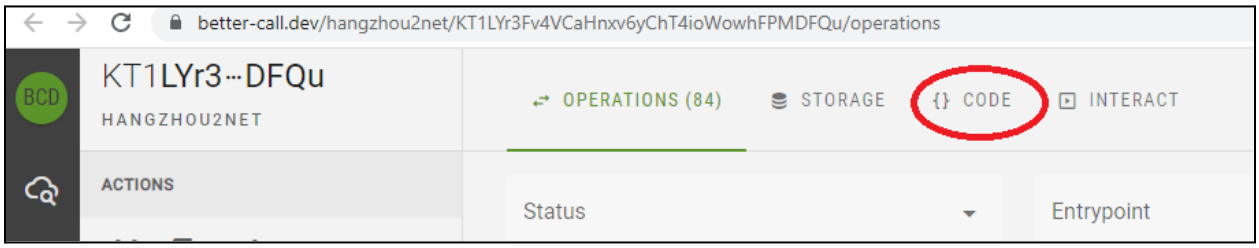
In the exercise, you have been given the address of a contract that you are asked to re-deploy. Make sure you use the correct address, otherwise you may encounter issues, in particular if you use a different contract that needs to be called with different parameters.

The first step is to obtain the michelson code of this contract. The easiest way is to use a block explorer.

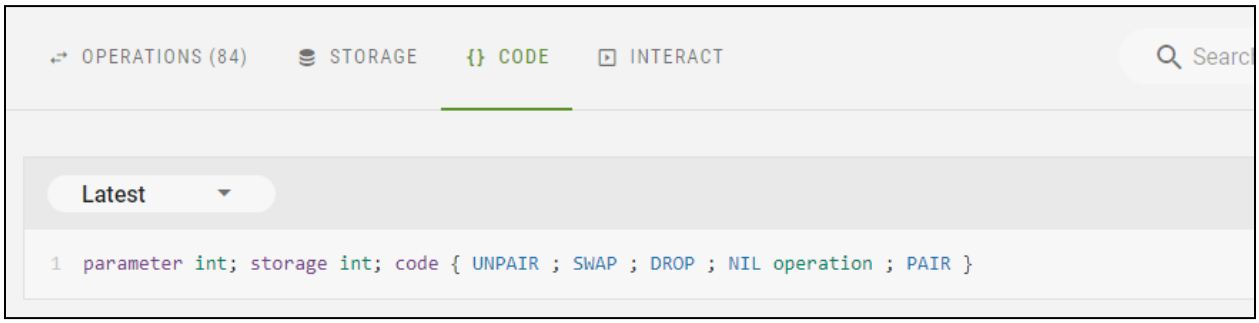
Go to https://better-call.dev/

Input the address of the contract you want to find the source code of.

Click on the contract in the results, then on the contract page, open the “code” tab:



You should then see the Michelson source code of the contract:



2. Put it in a .tz file

To deploy a copy of this contract, you need to put its content in a file, with the `.tz` extension, for example `myContract.tz`

Start by copying the contract by clicking on the “copy” button in the top-right corner, or by selecting the code, and using keyboard shortcuts (like ctrl+C on windows) to copy it.

In your gitpod environment, create a file and open it directly in your vscode editor, by using the following command:

```
code myContract.tz
```

Then, in the editor, paste the content of the contract that you copied.

Save it using ctrl+S

Make sure everything ok by displaying the content of the file using this command line:

```
cat myContract.tz
```

The content should be displayed below

3. Run the contract origination command

Now that the Michelson source code of your contract is in a file, you can run a command to originate it on the Tezos test network your client is connected to.

Input the following command (in a single line):

```
octez-client originate contract myContract transferring 0 from alice
running myContract.tz --init '"Hello"' --burn-cap 0.1
```

Make sure you replace the first myContract with the name of the alias you want to use, alice with the alias you chose for your account, and myContract.tz with the name of the file you used. Try to put a different string instead of Hello. Make sure you put single quotes around the double quotes.

This command will originate a new version of the contract you copied, and have the number you used as its initial storage content.

The command should show you the address of your contract. It starts with KT

4. Check your contract on a block explorer

Using the address in the output of the previous call, go to better call dev and find your newly deployed contract.

5. Call your own contract

Call your contract exactly like you called the same contract in the previous exercise. Just make sure you use the new alias you chose when deploying it.

Check again that you see the result on better-call-dev.