Preconditions:

- Ganache GUI is installed

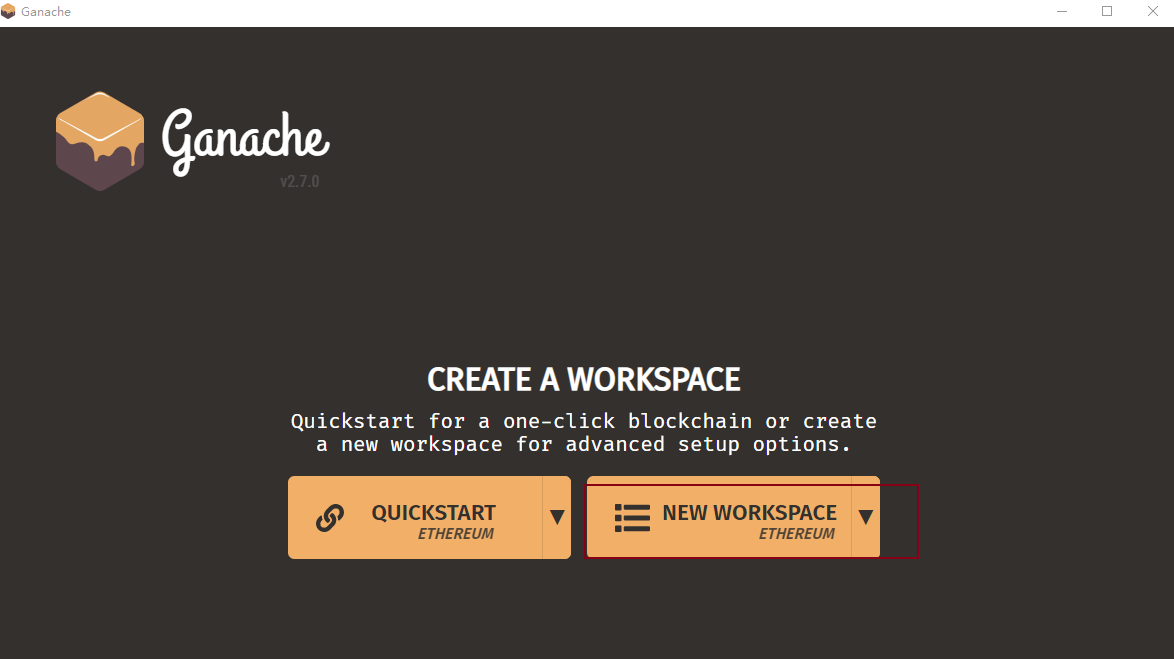
- Truffle is installed

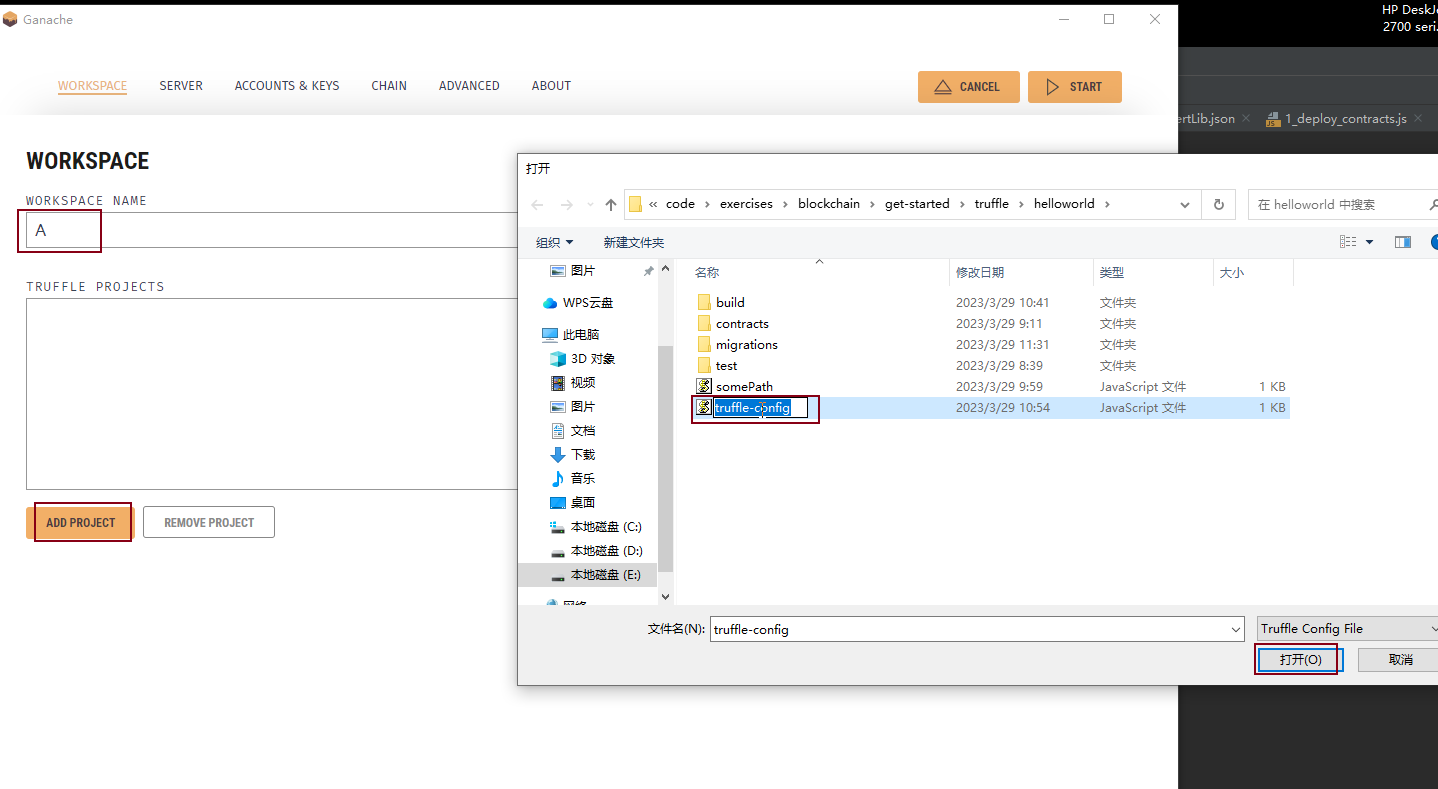
Let’s get started

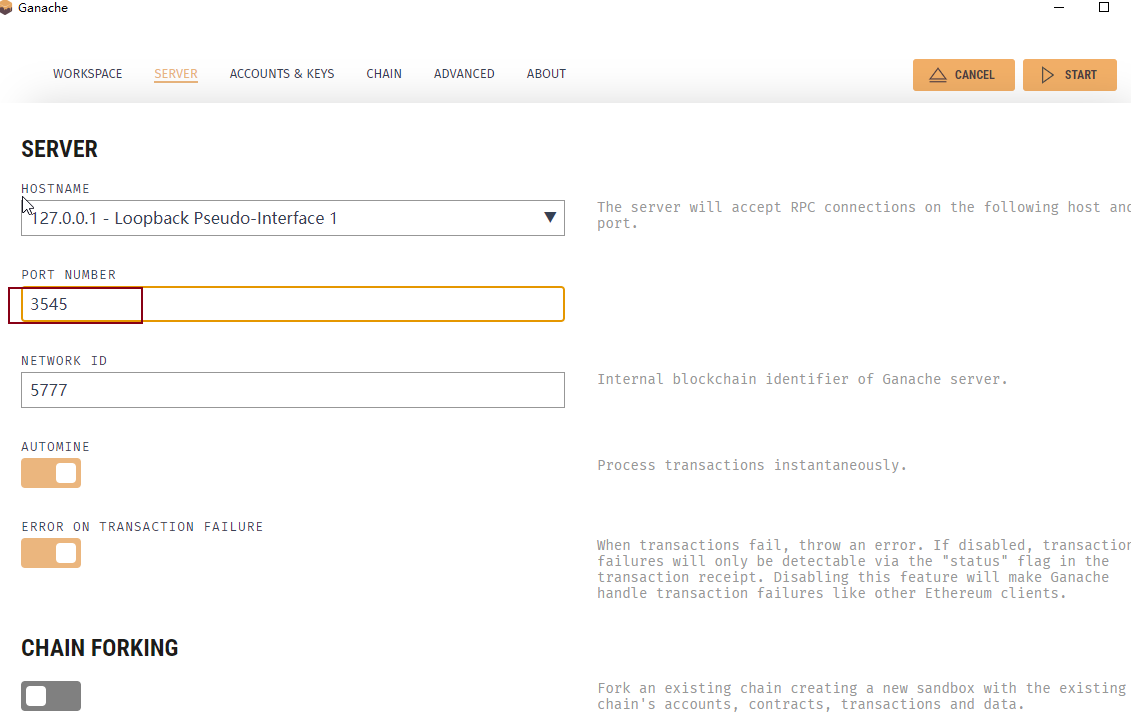
## Setup 3 local environments in Ganache

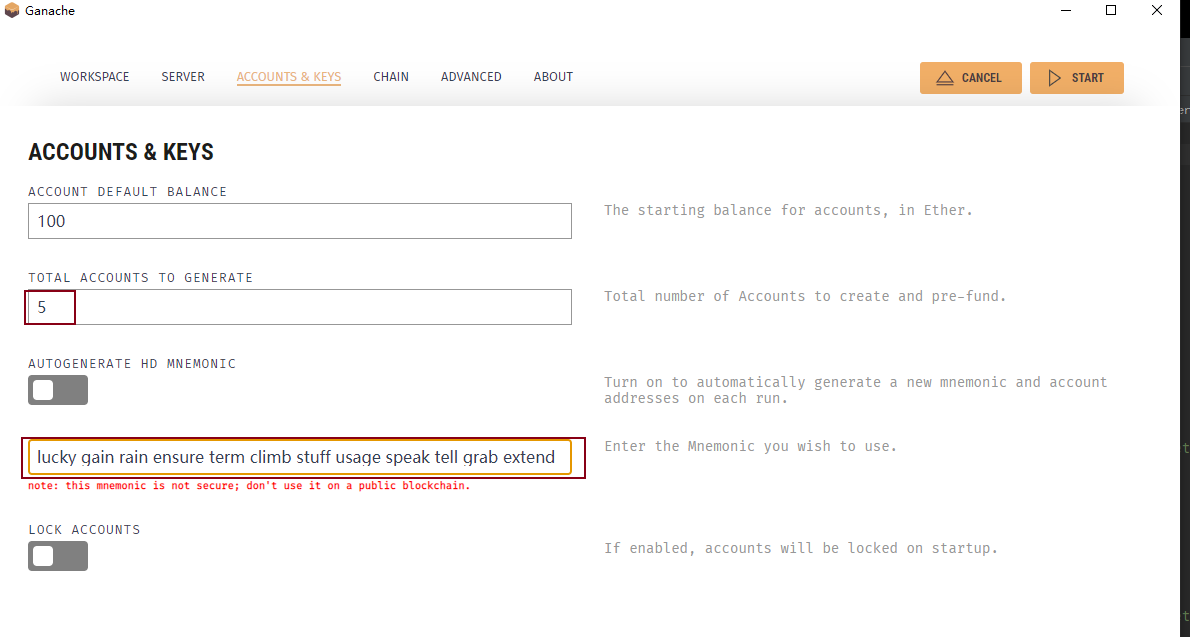
### A

Click **NEW WORKSPACE** option:



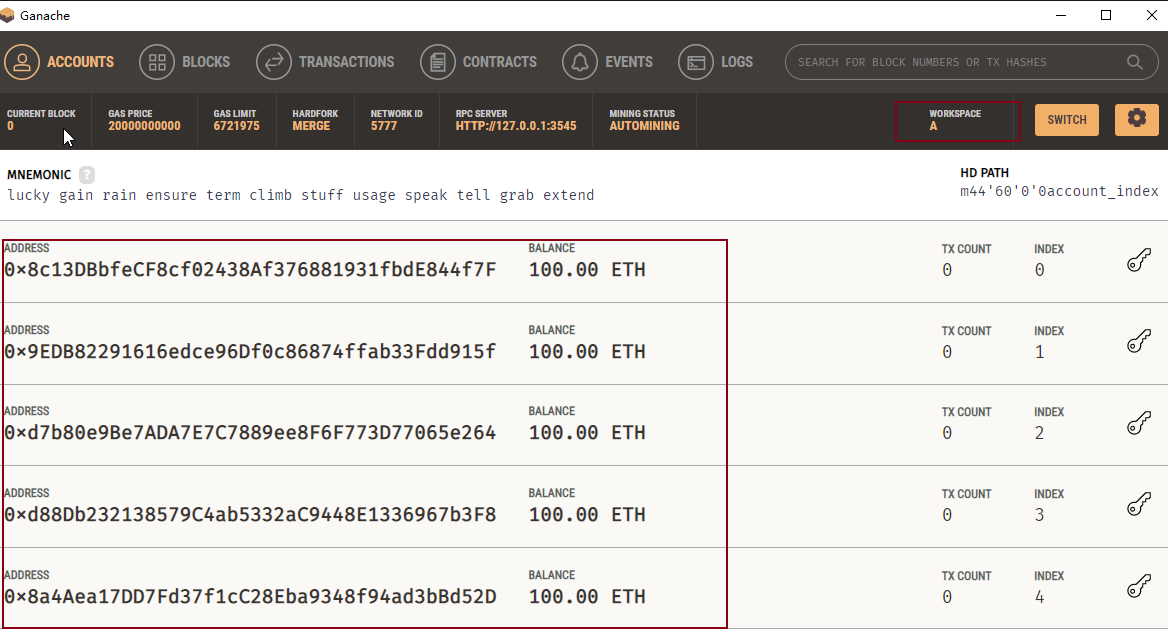






lucky gain rain ensure term climb stuff usage speak tell grab extend

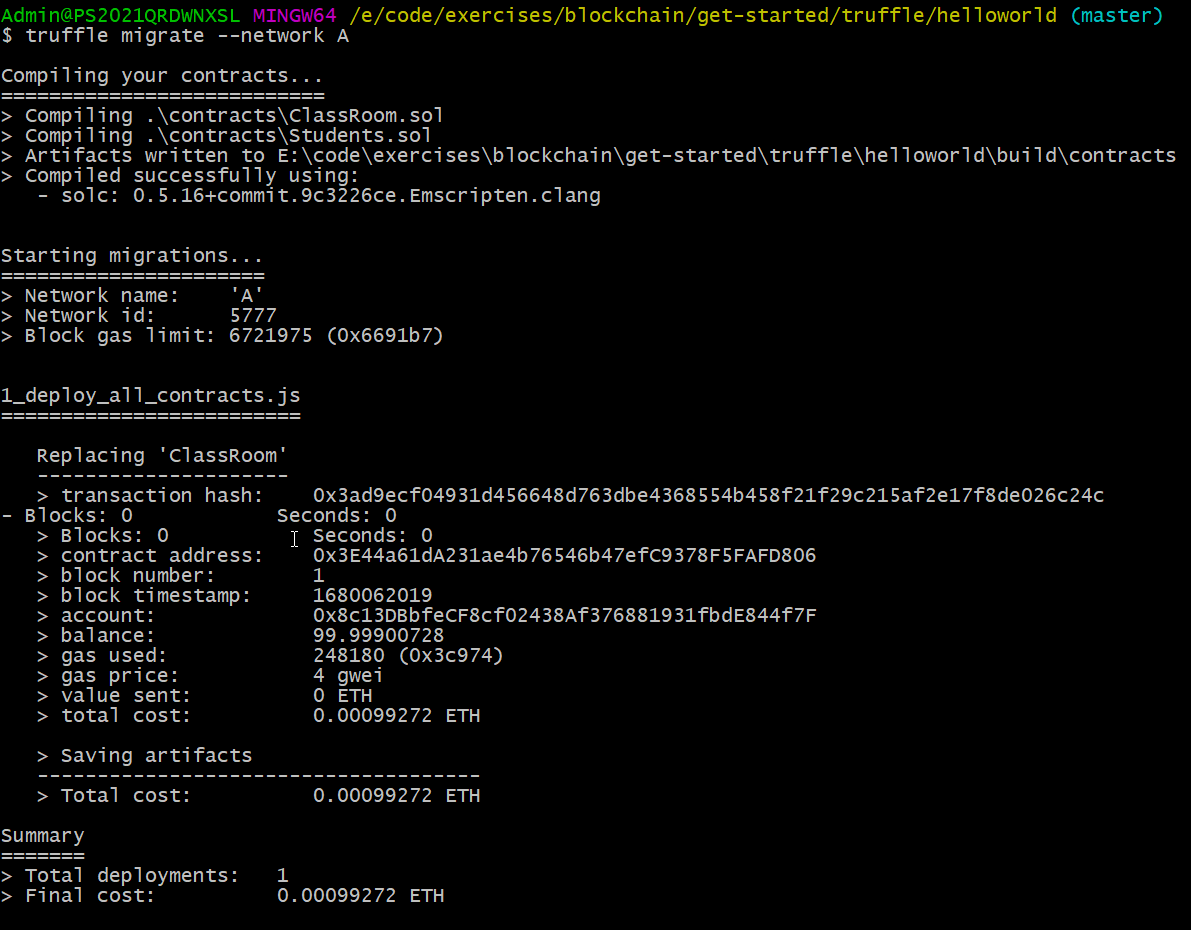
Leave the rest of configuration as default, then click **start** button



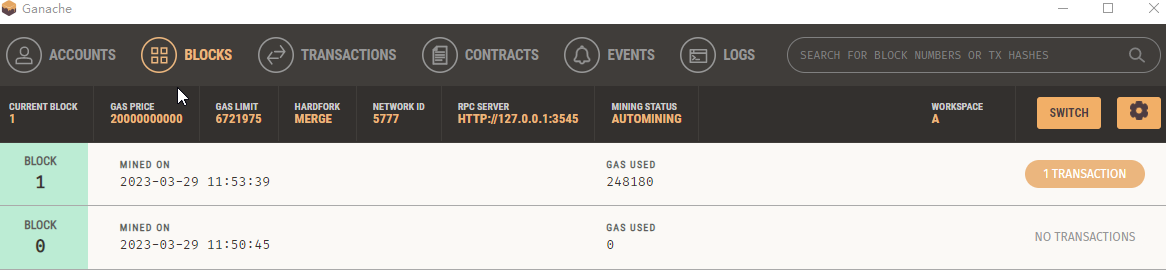
Then migrate contracts in **A** environment by running command below:

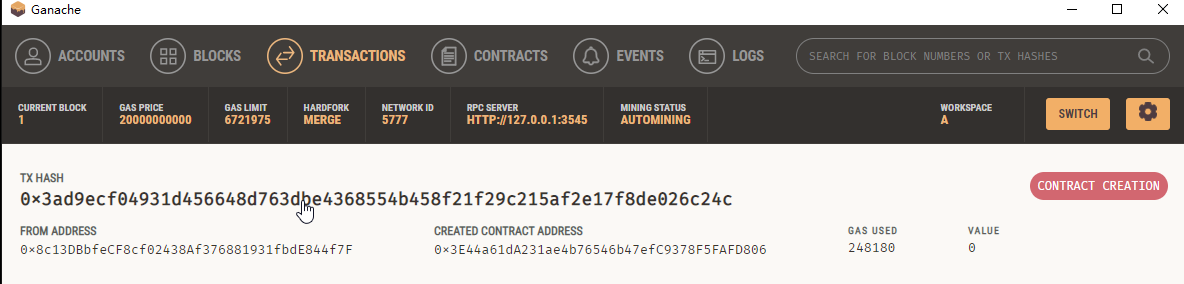
**truffle migrate --network A**

You will see output in the console like this:

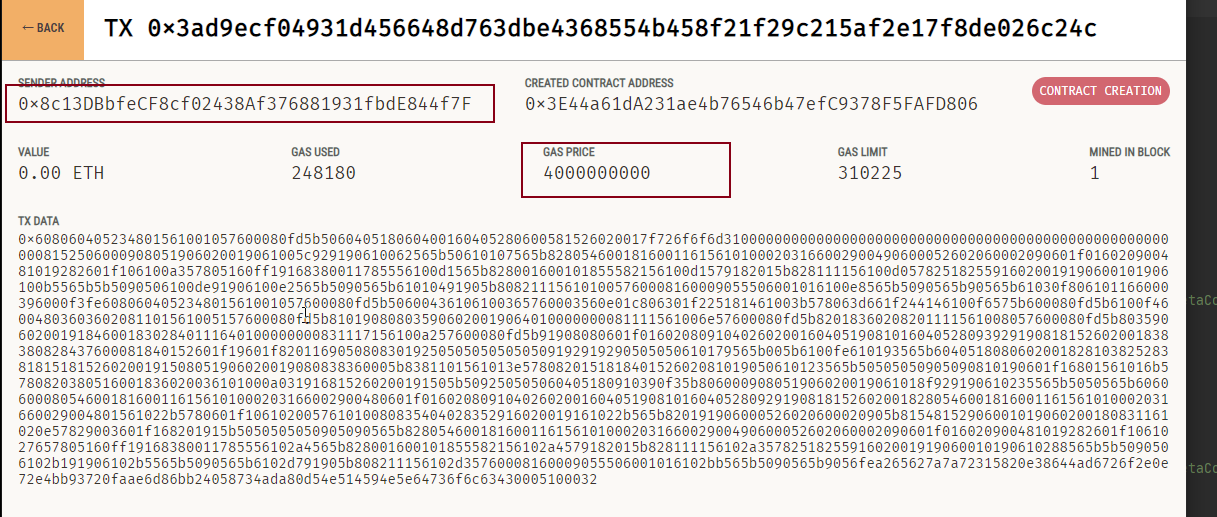


Check Tabs **BLOCKS** and **TRANSACTIONS** in Ganache, **one** new block and **one** new transaction are created each:

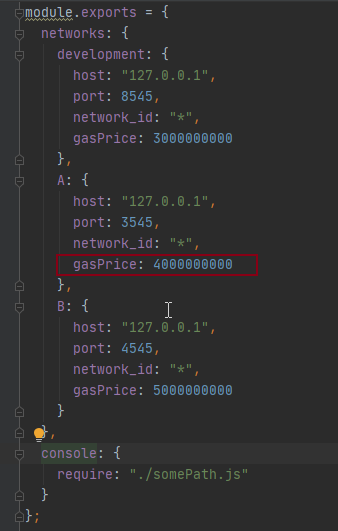




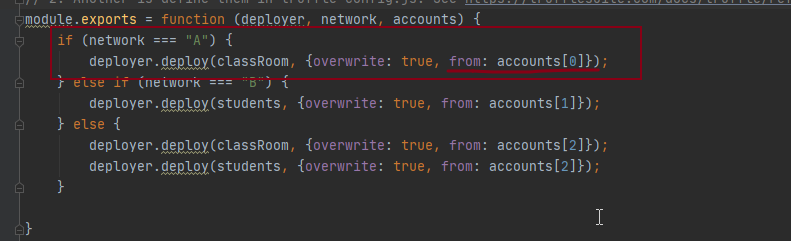
Check the details of the new transaction:



You see gas price is 4000000000 as defined in **truffle-config.js**:

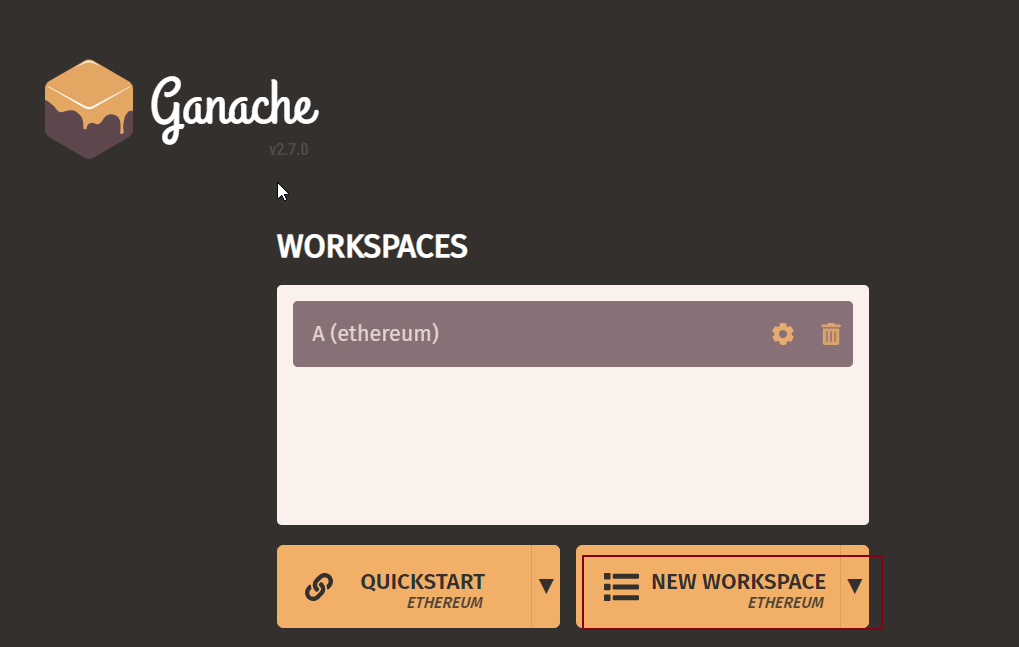


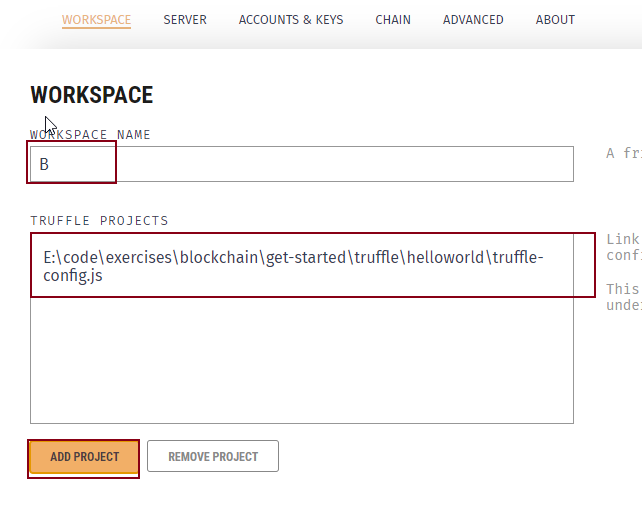
And the address of sender of this transaction is the **first** account in **A** network as we specified in **1\_deploy\_all\_contracts.js**

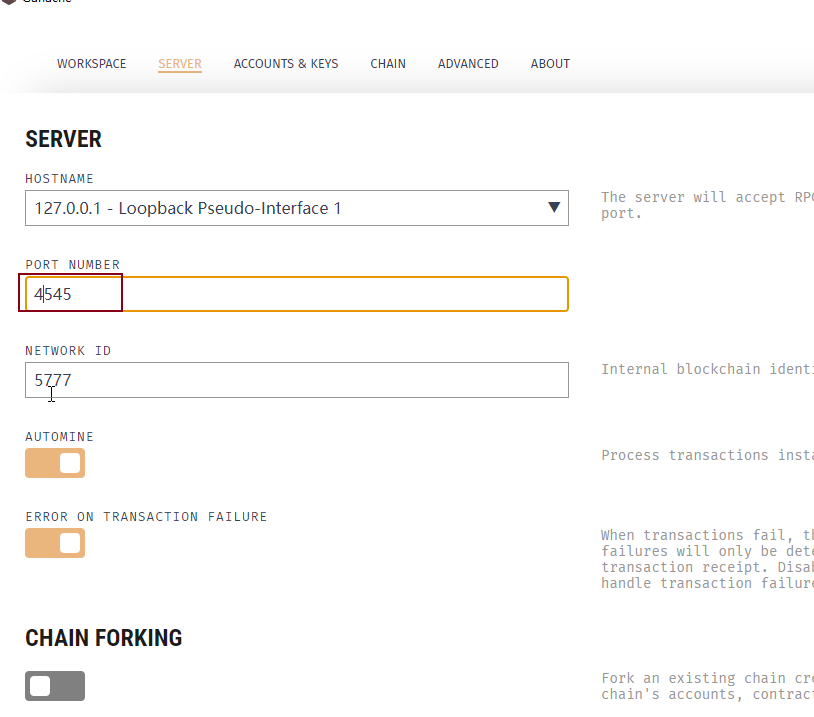


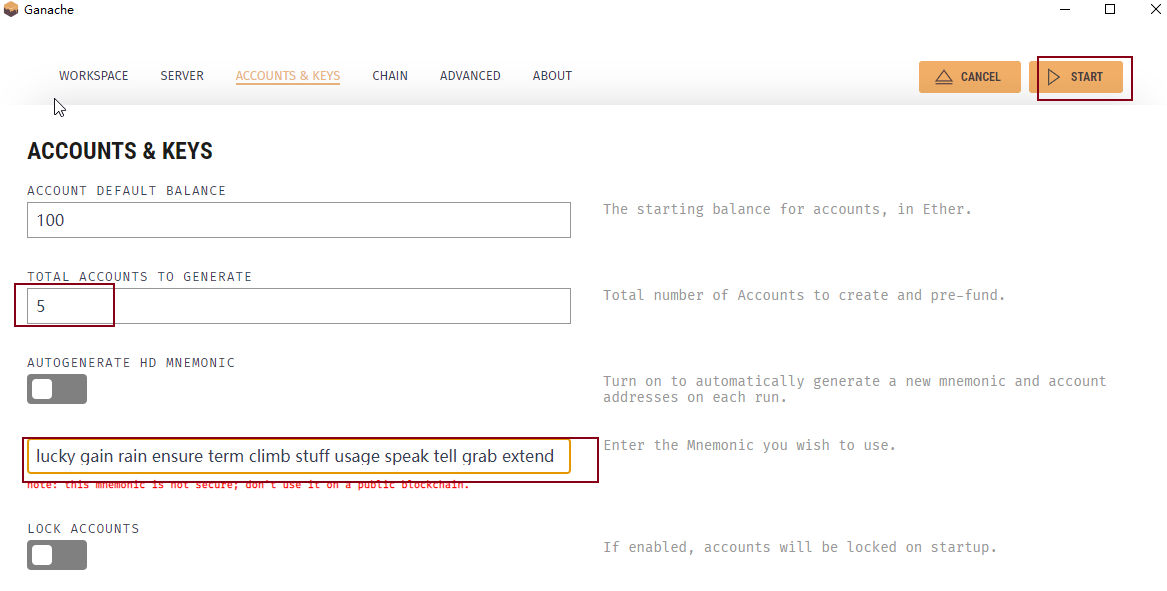
### B

Click **NEW WORKSPACE** option:



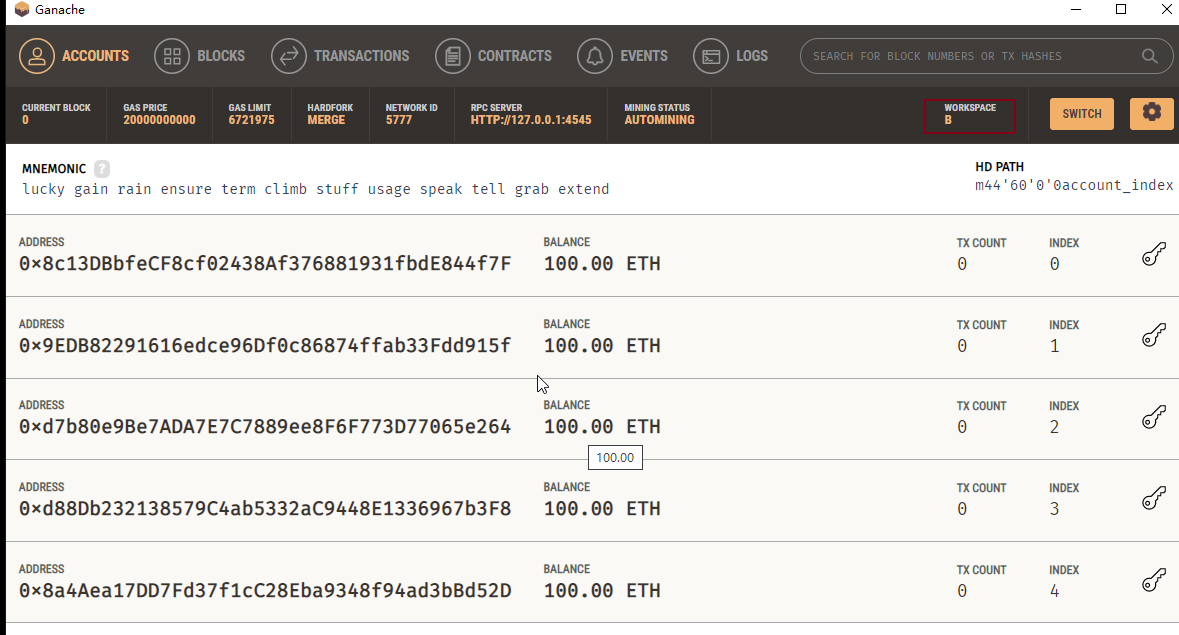






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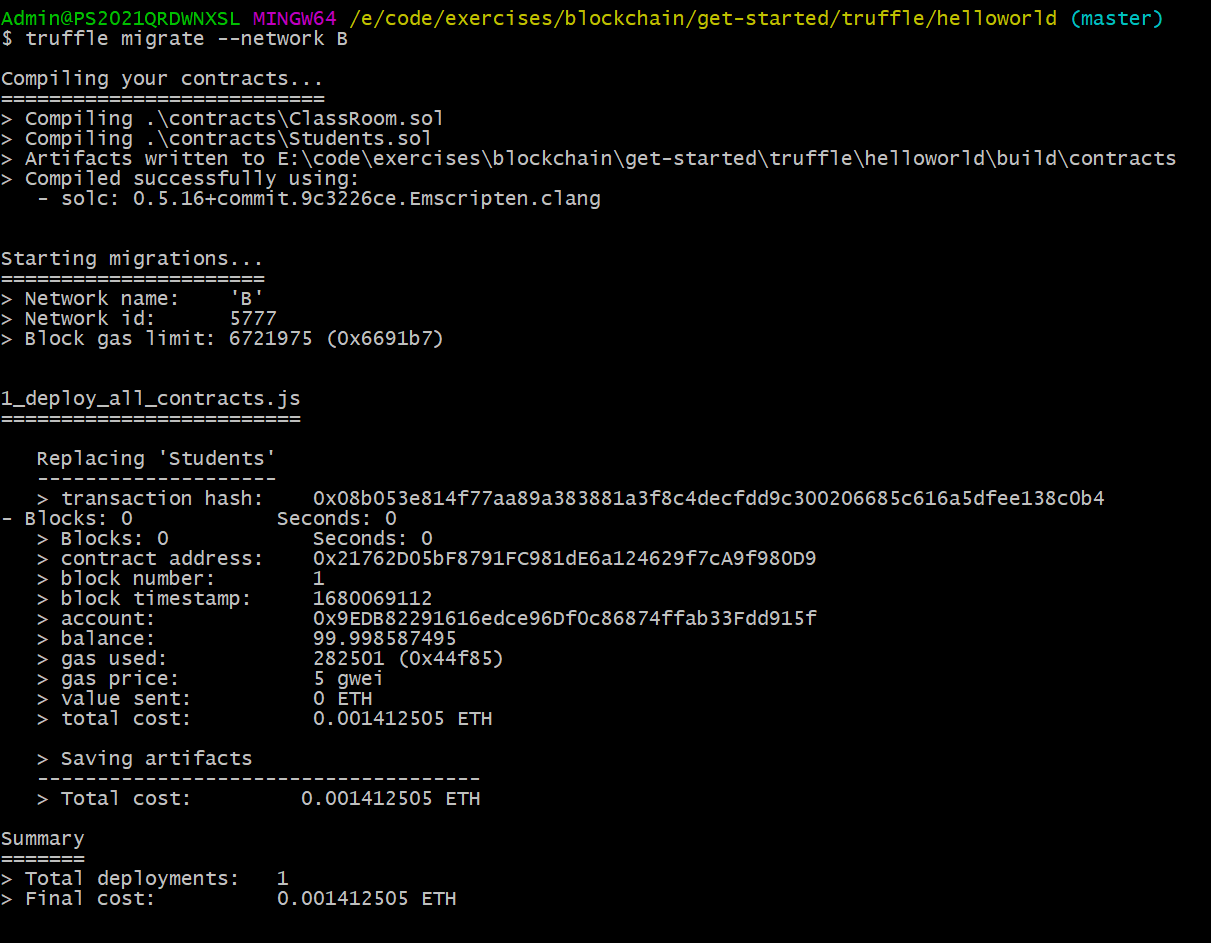
Leave the rest of configuration as default, then click **start** button



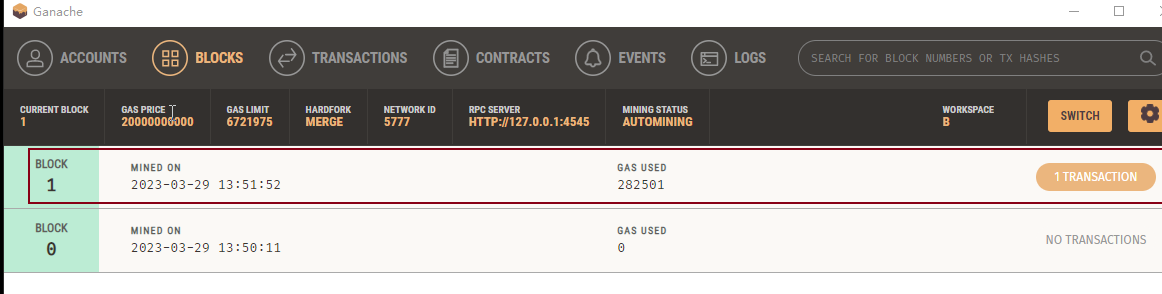
Then migrate contracts in **B** environment by running command below:

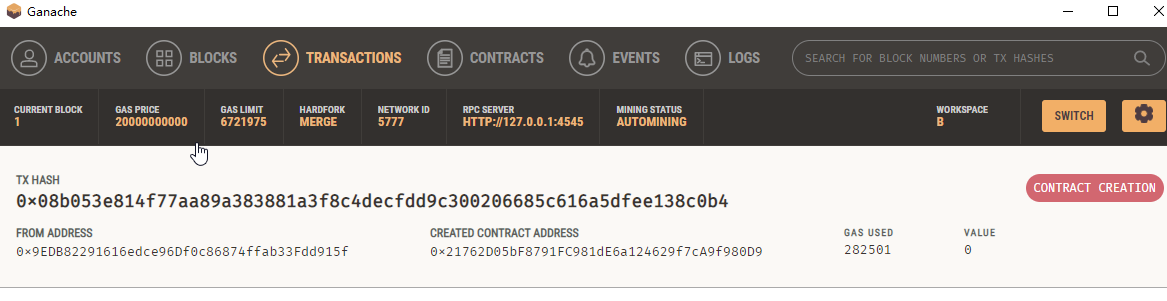
**truffle migrate --network B**

You will see output in the console like this:

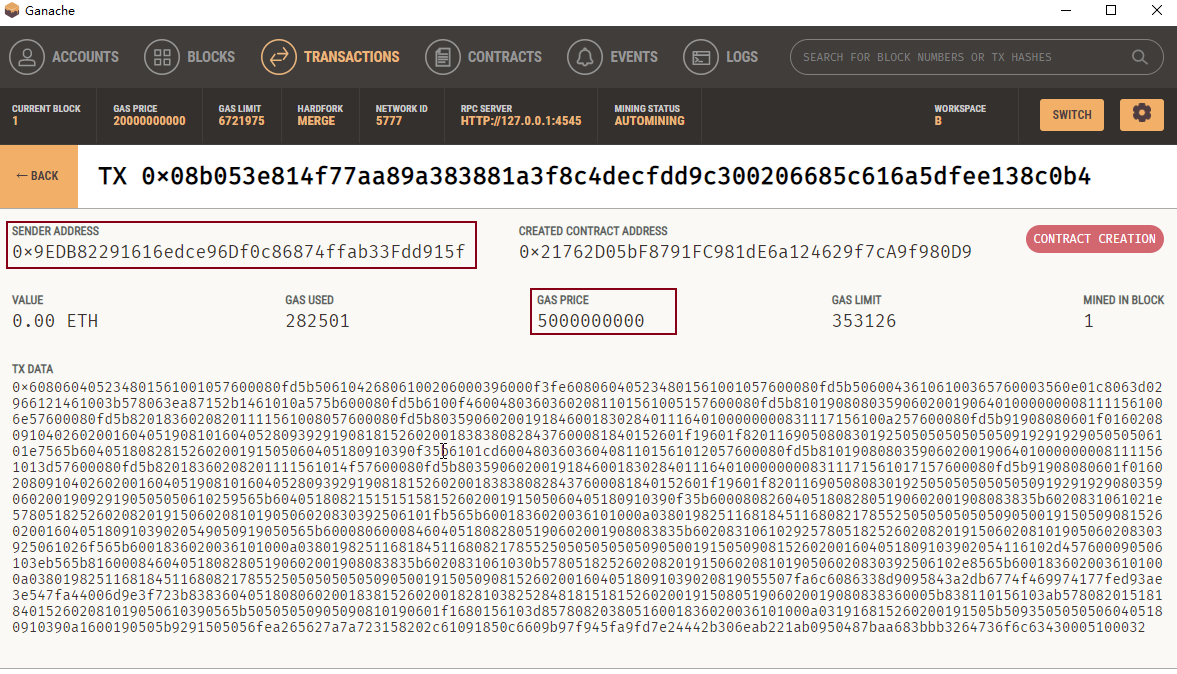


Check Tabs **BLOCKS** and **TRANSACTIONS** in Ganache, **one new block** and **one new transaction** are created each:

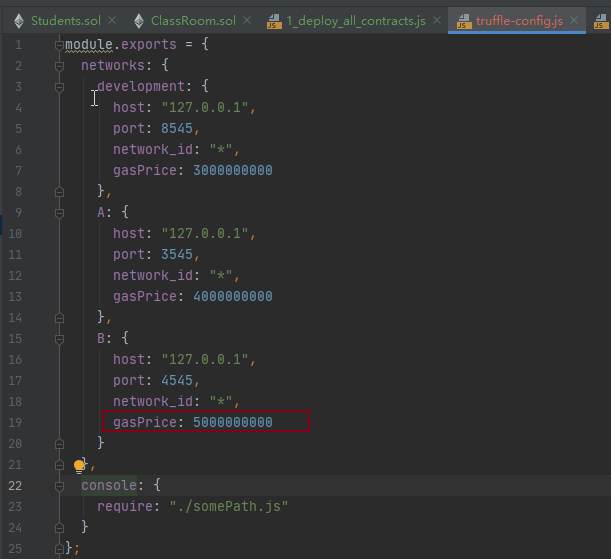




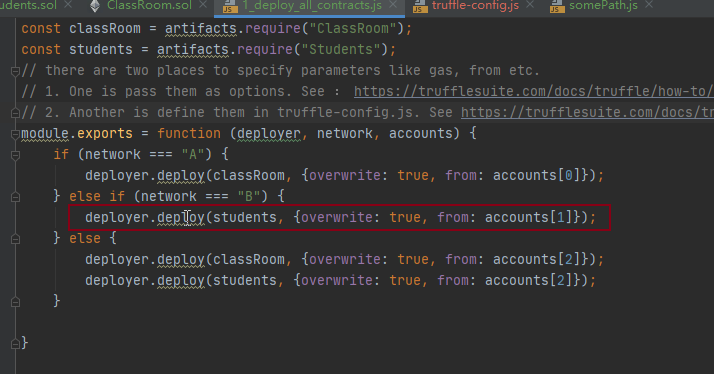
Check the details of the new transaction:



You see gas price is 5000000000 as defined in truffle-config.js:

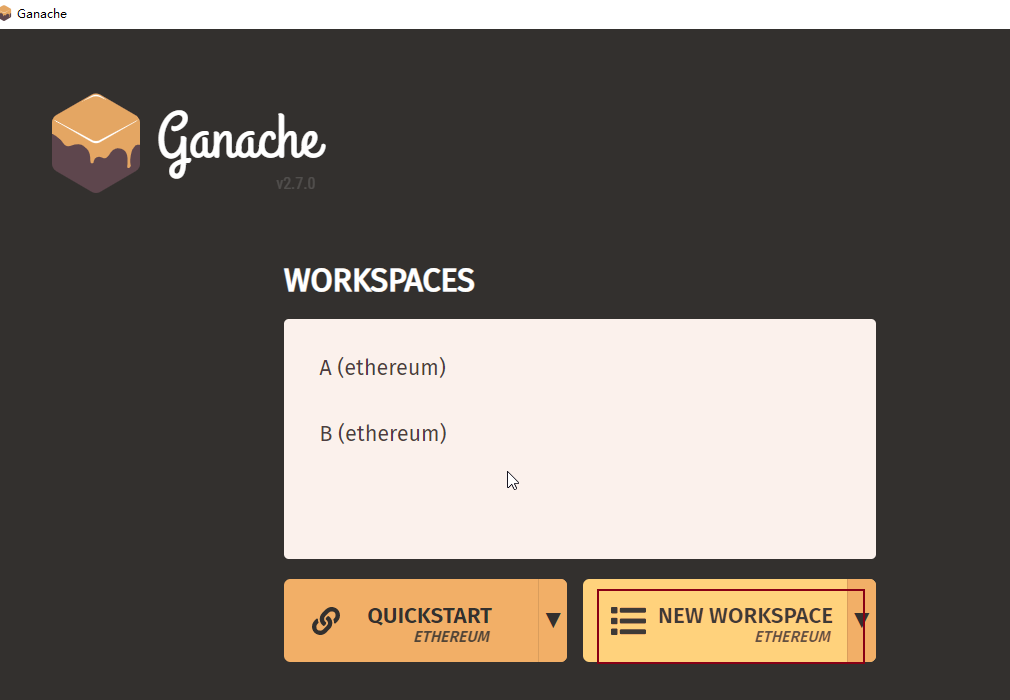


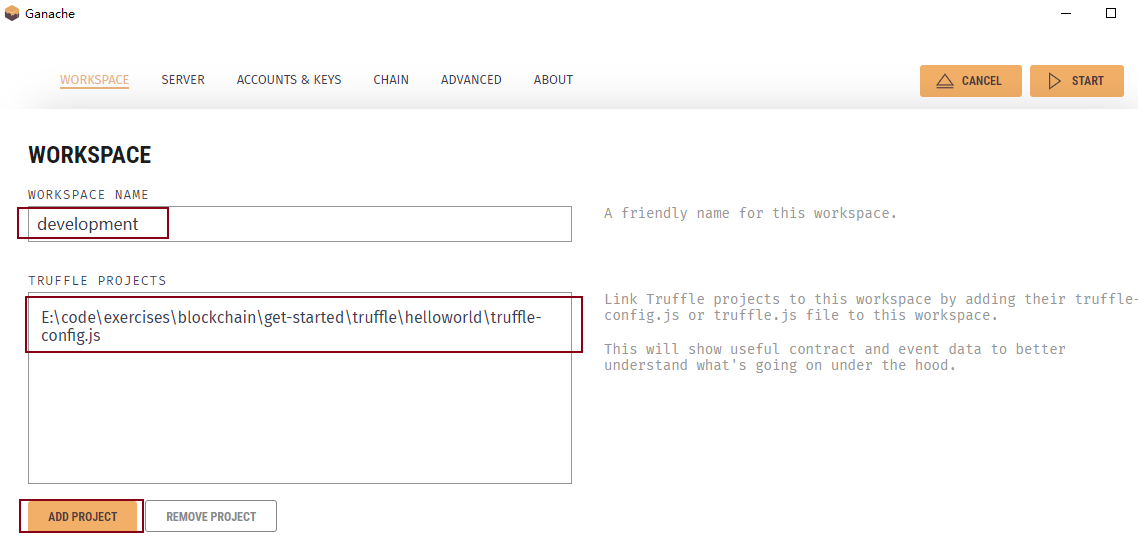
And the address of sender of this transaction is the **second** account in **B** network as we specified in **1\_deploy\_all\_contracts.js**

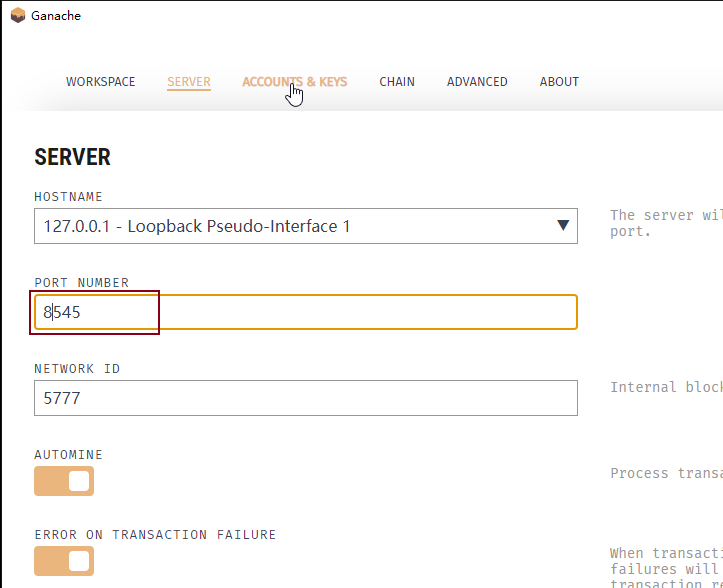


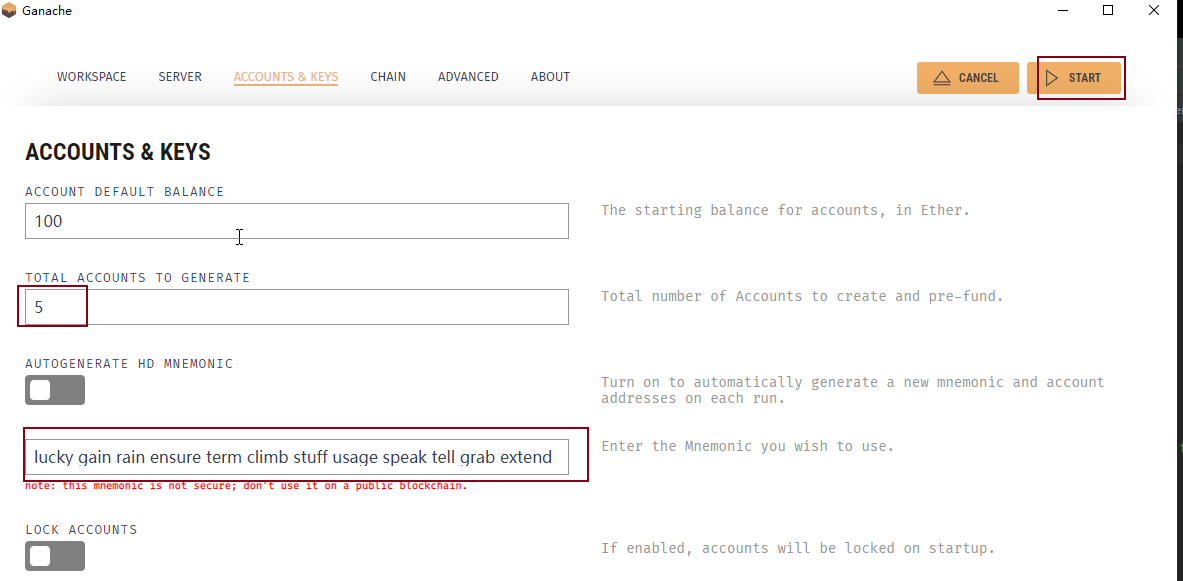
### Development

Click **NEW WORKSPACE** option:



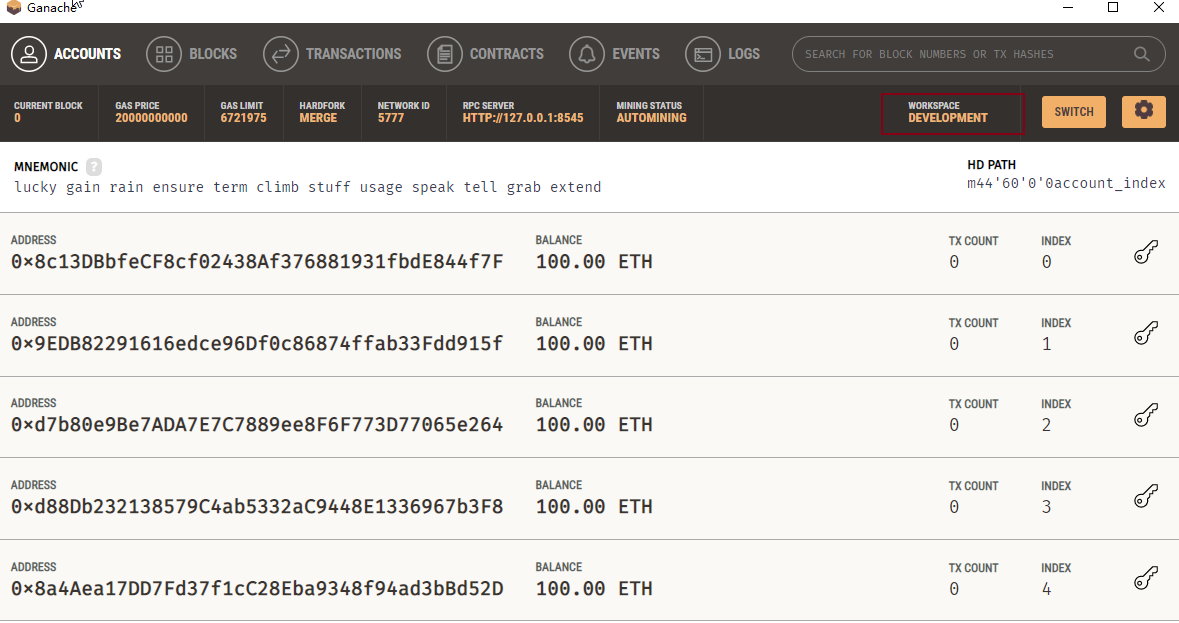






lucky gain rain ensure term climb stuff usage speak tell grab extend

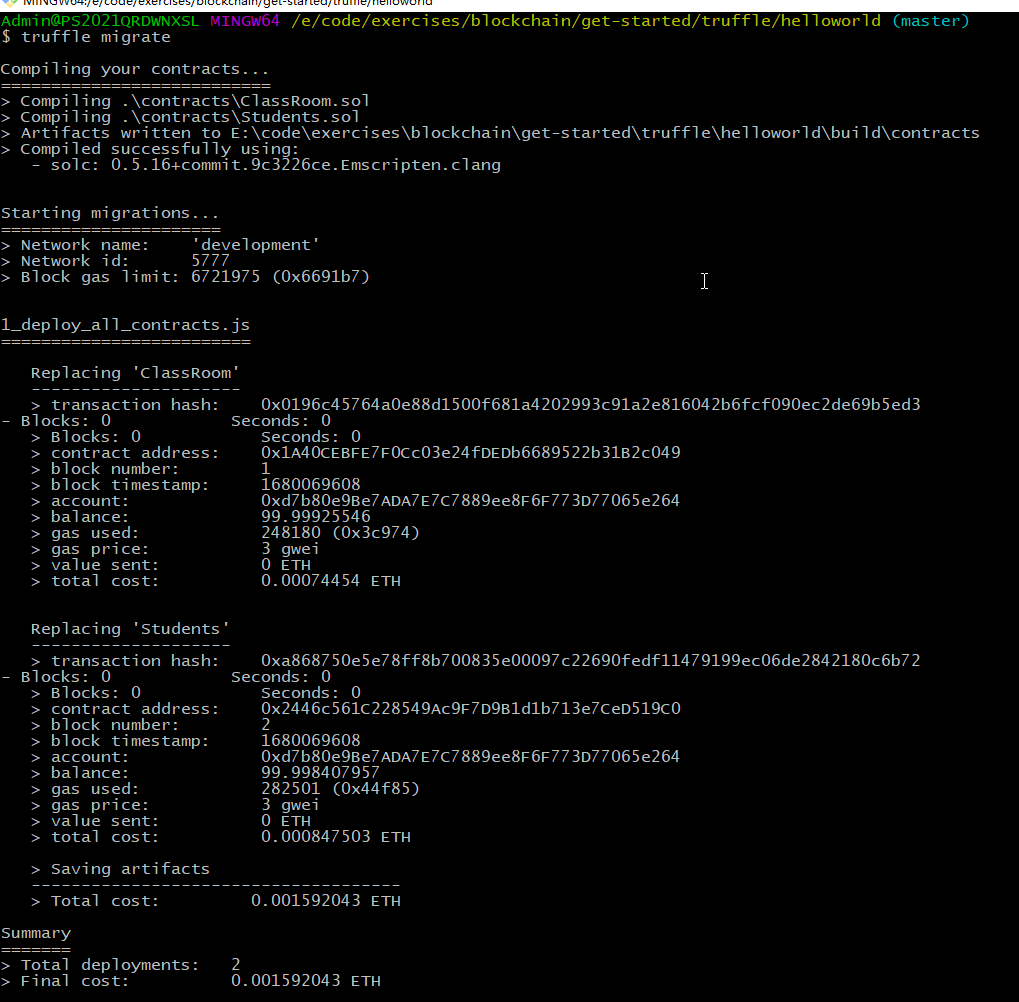
Leave the rest of configuration as default, then click **start** button



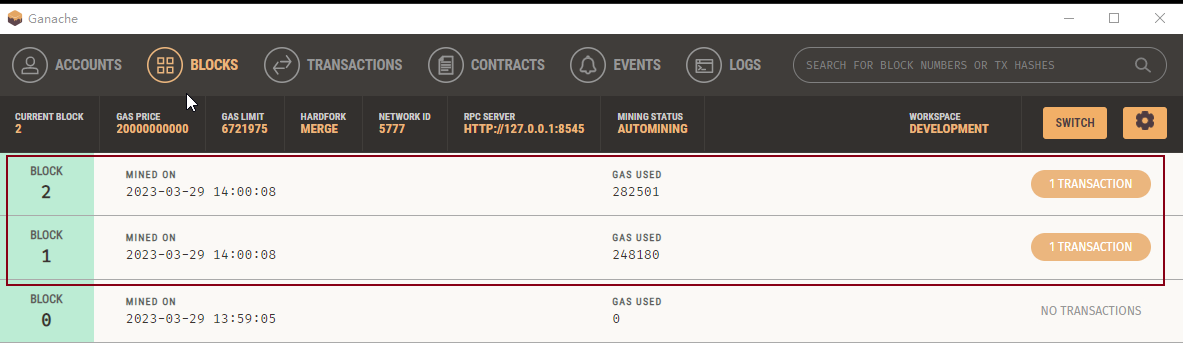
Then migrate contract in **default**(development) environment by running command below:

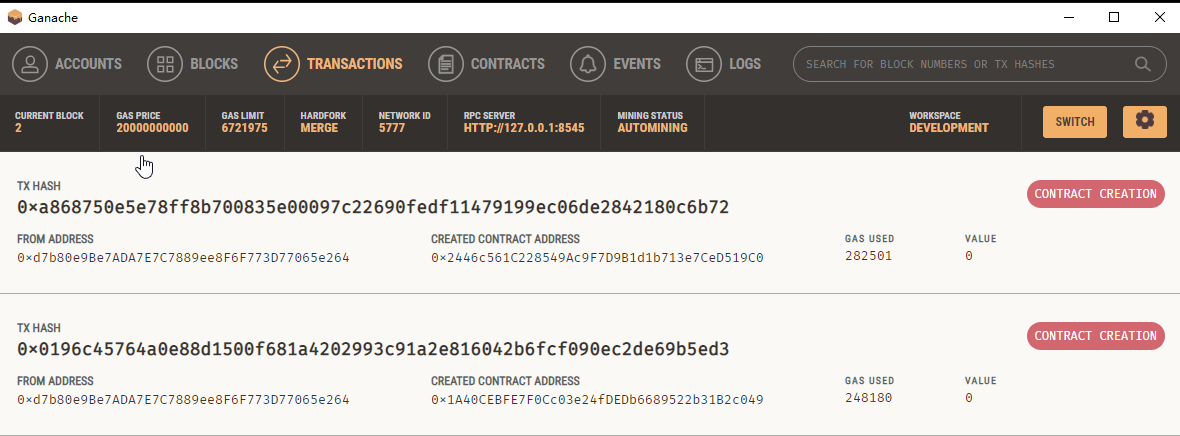
**truffle migrate**

You will see output in the console like this:

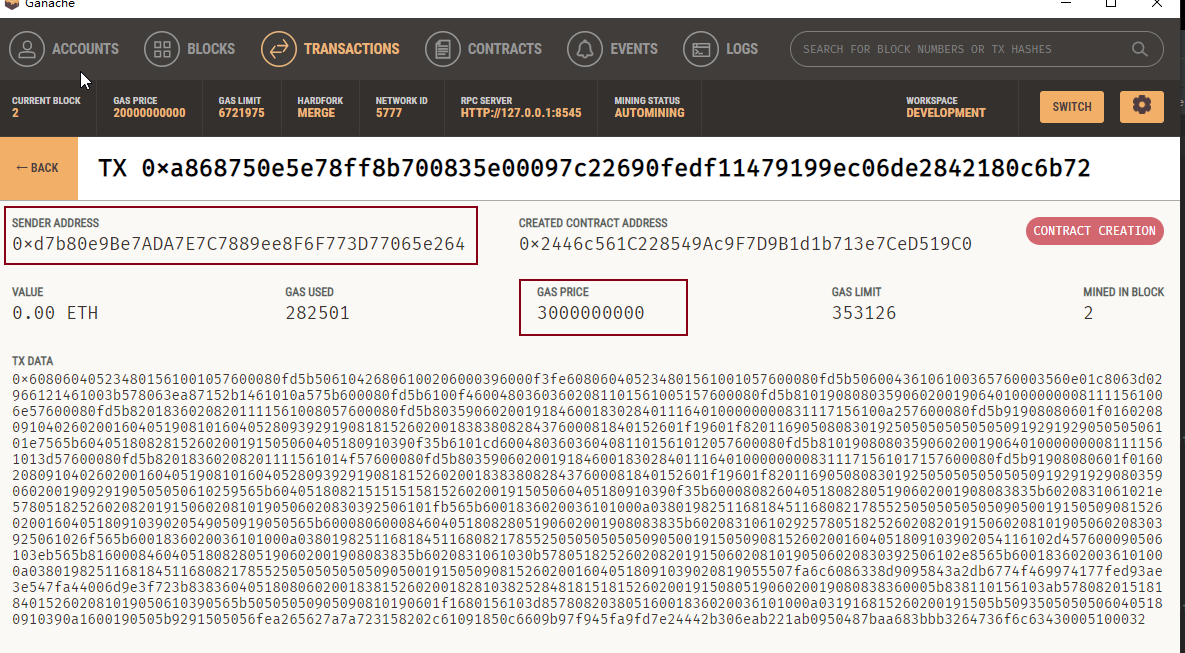


Check Tabs **BLOCKS** and **TRANSACTIONS** in Ganache, **2 new blocks** and **2 new transactions** are created each:

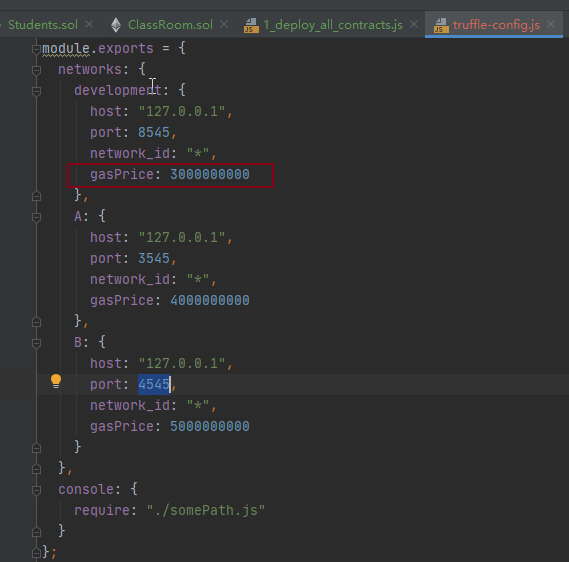




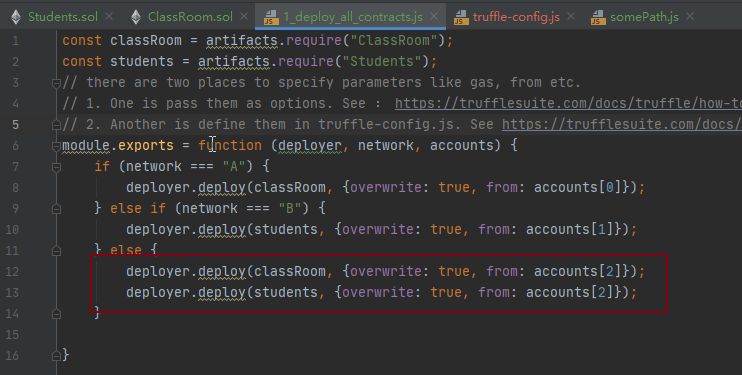
Check details of one of transactions:



You see gas price is 3000000000 as defined in **truffle-config.js**:



And the address of sender of this transaction is the **third** account in **development** network as we specified in **1\_deploy\_all\_contracts.js**



## Run commands in truffle in an interactive mode:

truffle console --network A

(make sure A env is up on Ganache)

let accounts = await web3.eth.getAccounts()

web3.eth.getTransactionReceipt("0x3ad9ecf04931d456648d763dbe4368554b458f21f29c215af2e17f8de026c24c")

0x3ad9ecf04931d456648d763dbe4368554b458f21f29c215af2e17f8de026c24c is the id of one transaction