Make sure that you have read and following the install instructions on the following website

https://chain.com/docs/core/get-started/install

Make sure that **docker** is installed

**Step up your Node**

1. docker run -it -p 1999:1999 chaincore/developer
2. open http://localhost:1999

Make sure to note your client token, copy that whole line and paste that into the login. E.g.

client:51a05ff4e1ed18074dcaf11b53d90ddcd8cef83917d97b272442207cf0b00b83

Use your own client token to login

Once logged in to dashboard, you can either set up your own chain core network or join the Foundery chain core.

You will need the following below to login to the Foundery chain.

|  |  |
| --- | --- |
| Generator URL | http://13.95.95.38:1999 |
| Network access key: | Gabe:5e28b4d28125e91908226d31417eb5f6ca82cf869bd492bd45a6cdfa3f7ba21d |
| Blockchain ID: | 0b5924c85dac6f14576c9adfc88bf38154f02830163680158d4abc5d1da9680a |

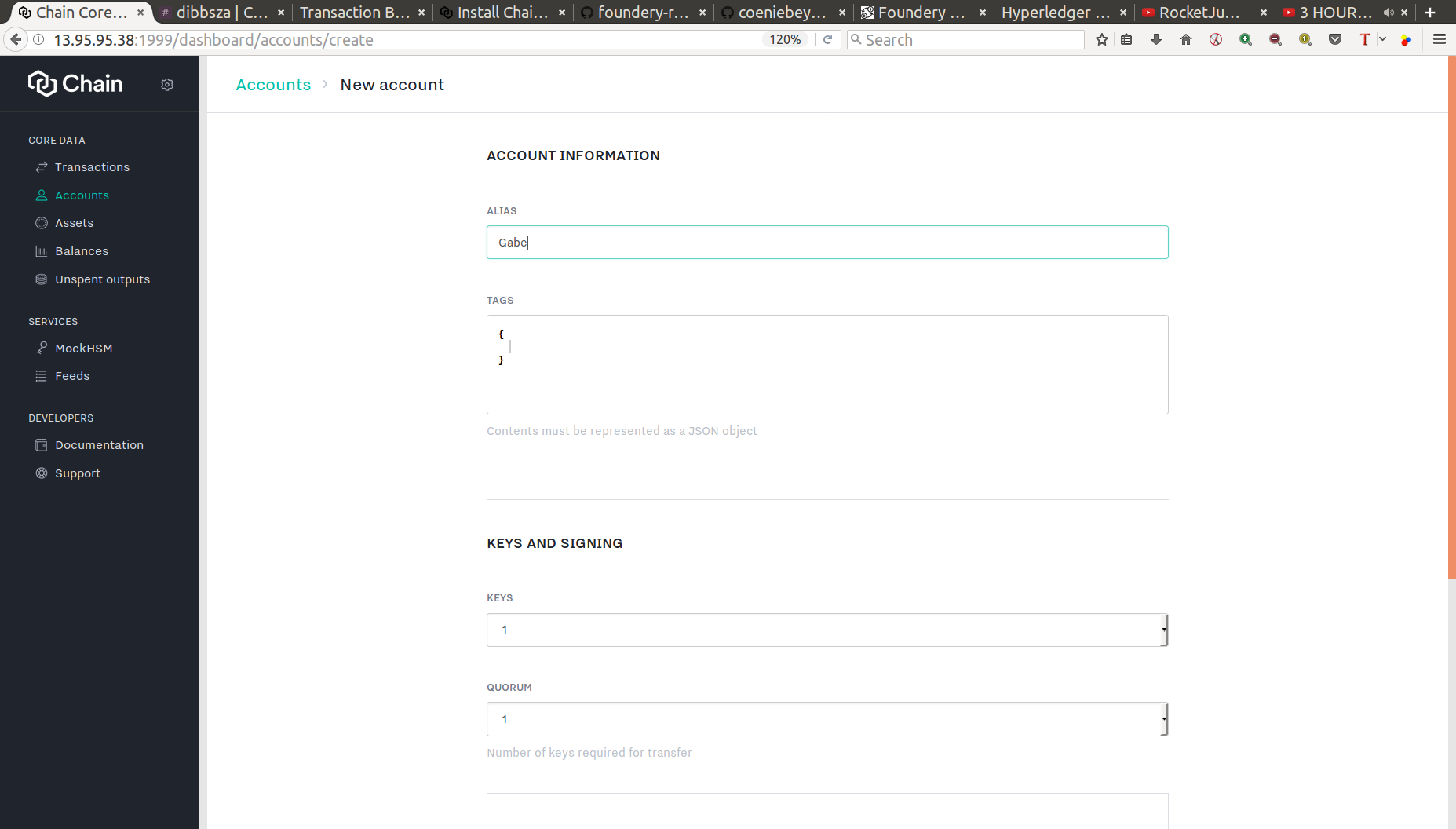
Once the node is set up, it is best to set up an account.

**Setting up Accounts**

1. Click on the side bar tab “Accounts”. Once there click on the “+ New account”
2. Enter the name of the account you want to use in “Alias” then click submit.
3. Click on “Submit” once done

Note you can select how many Keys and Quorum you would like to use.

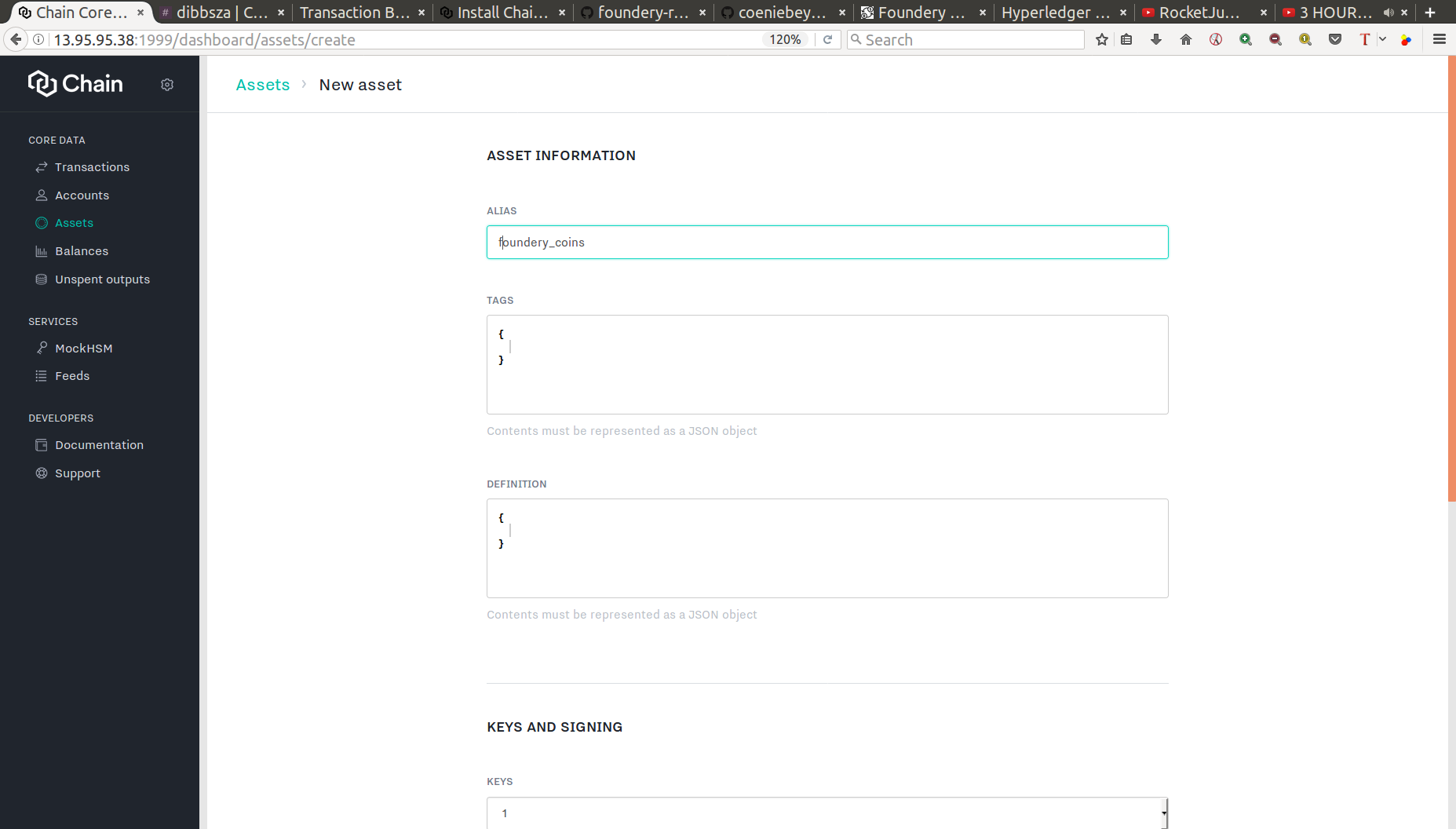
You can also add tags but we will skip that for this tutorial.

Below will have a practical example of what is entered in each step.

**Setting up Assets**

1. Click on the side bar tab “Assets”. Once there click on the “+ New assets”
2. Enter the name of the asset you want to use in “Alias” then click submit.
3. Click on “Submit” once done

Note you can select how many Keys and Quorum you would like to use. You can also add tags and definition but we will skip that for this tutorial.

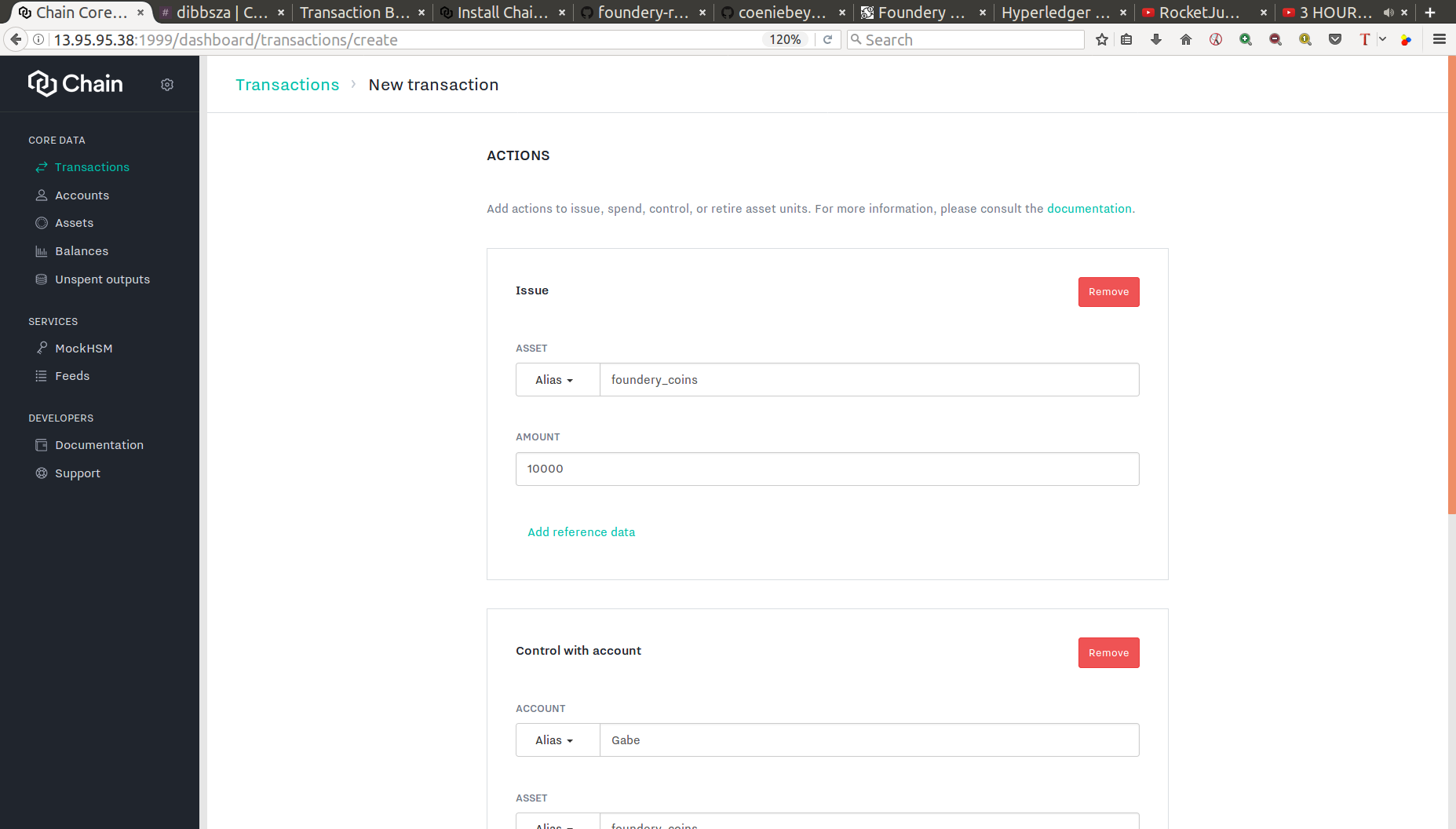
Below will have a practical example of what is entered in each step.

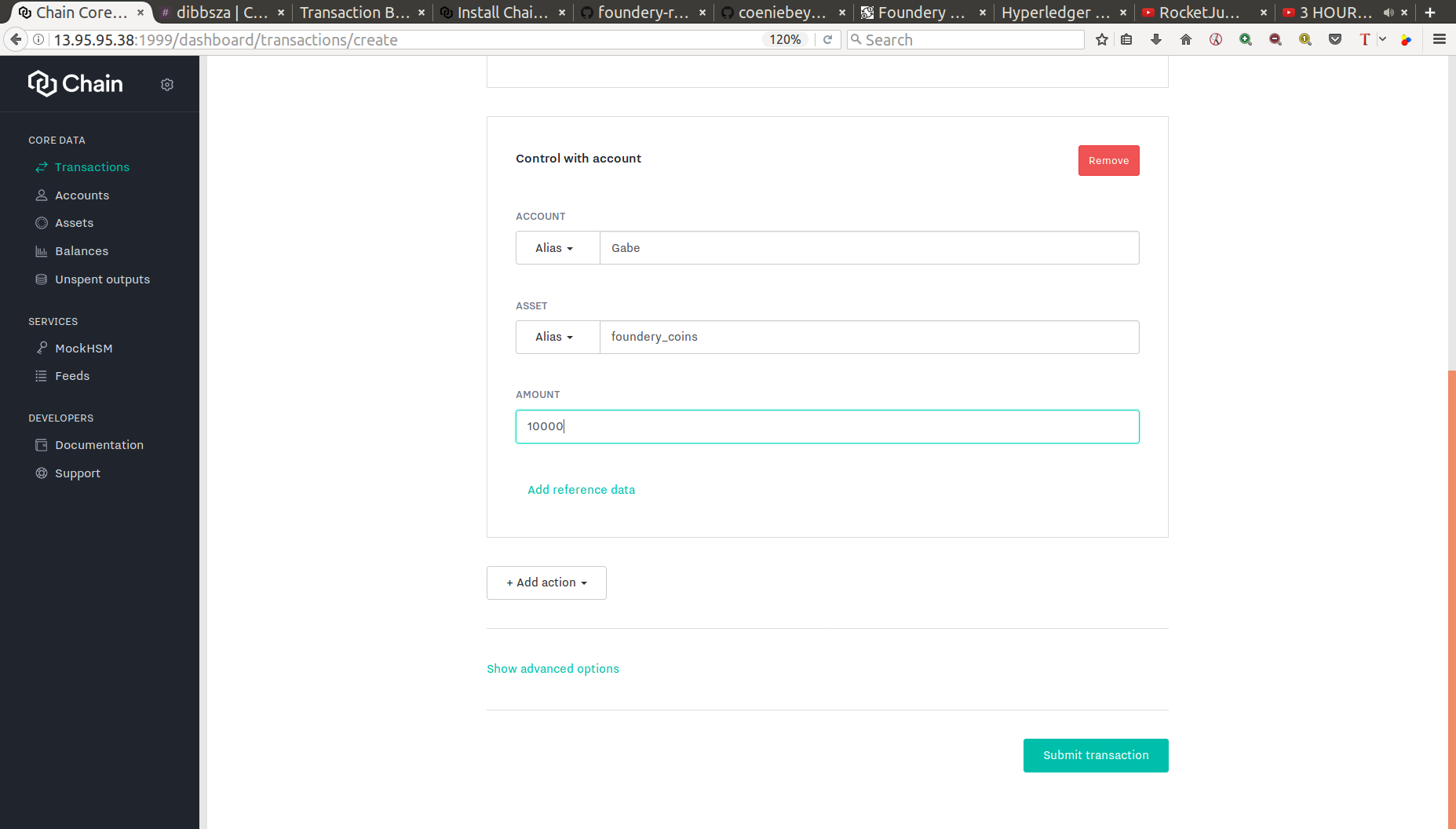
**Adding funds to your asset.**

1. Click on the side bar tab “Transactions”. Once there click on the “+ New transaction”
2. Click on “+ Add action” and select “Issue”
3. Enter the name of the asset alias you want to use to add funds to
4. followed by the amount
5. Click on “+ Add action” and select “Control with account”
6. Enter the name of the account alias you want to add funds to.
7. Enter the name of the asset alias you want to use to add funds to,
8. followed by the amount
9. Click on “Submit transaction” once done

Note you can select “ Add reference data” to each action but we will skip that for this tutorial.

Below will have a practical example of what is entered in each step.

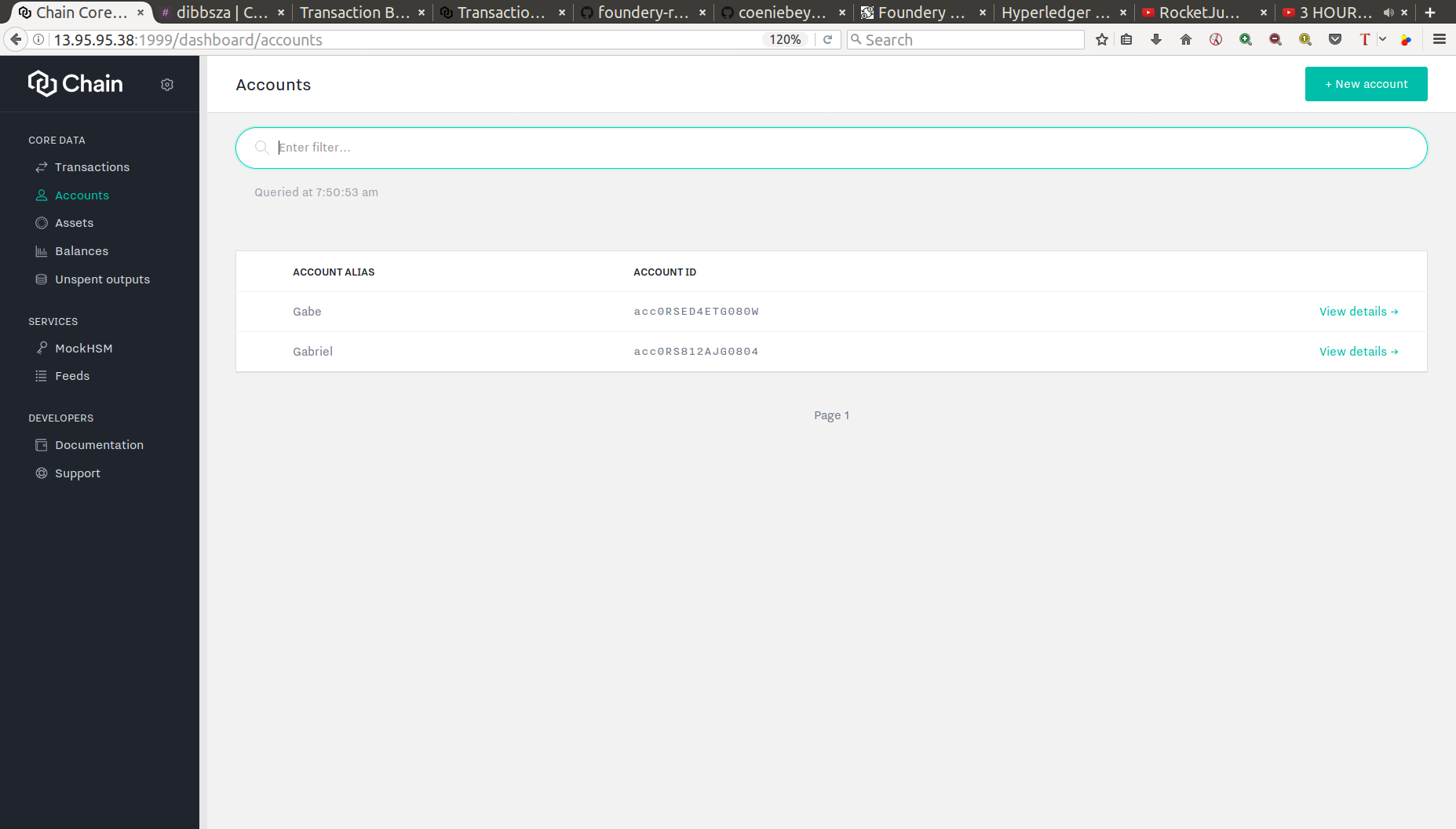
1. Click on the side bar tab “Transactions”. Once there click on the “+ New transaction”
2. Click on “+ Add action” and select “Issue”
3. foundery\_coins
4. 10000
5. Click on “+ Add action” and select “Control with account”
6. Gabe
7. foundery\_coins
8. 10000
9. Click on “Submit transaction” once done

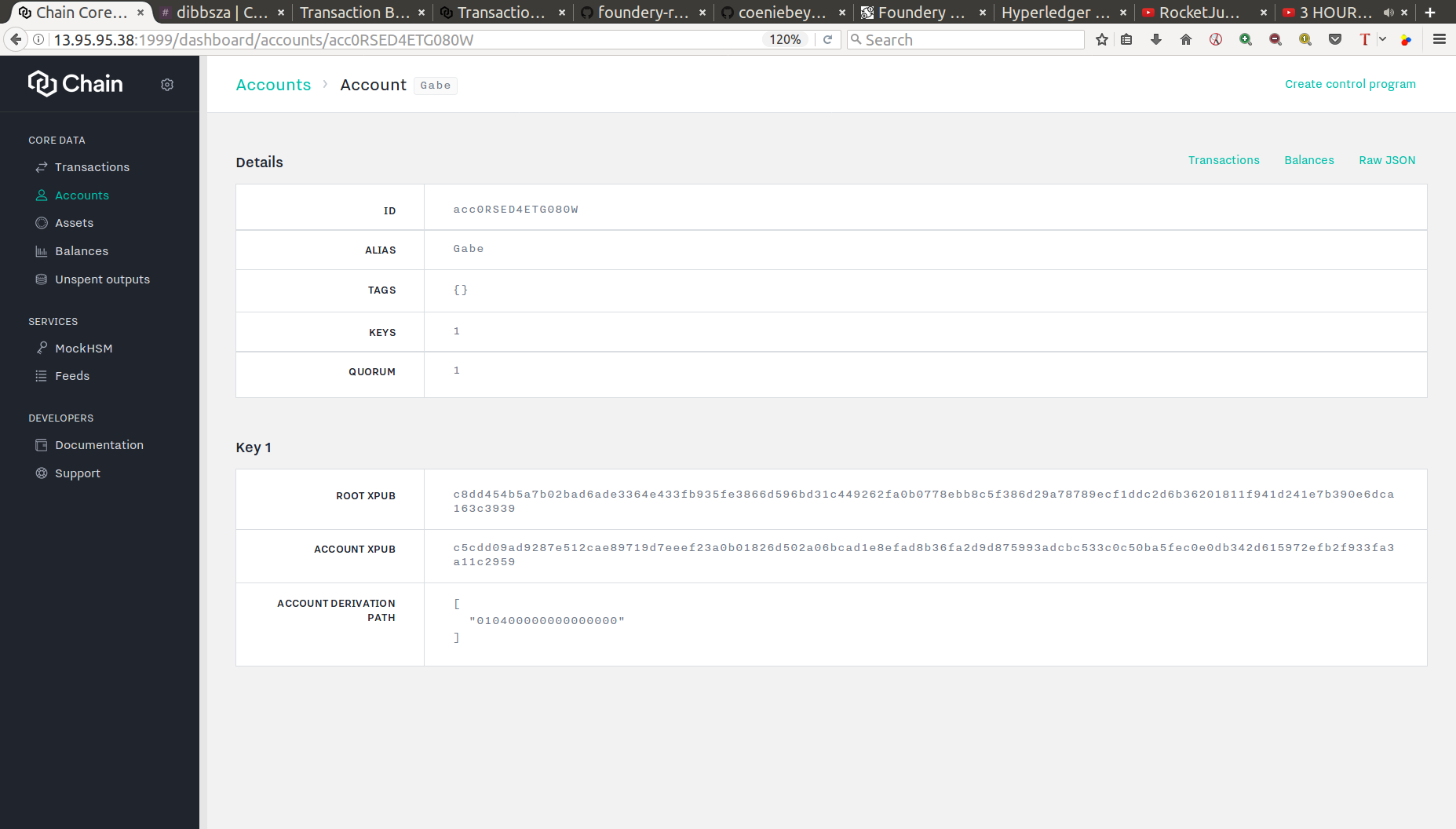


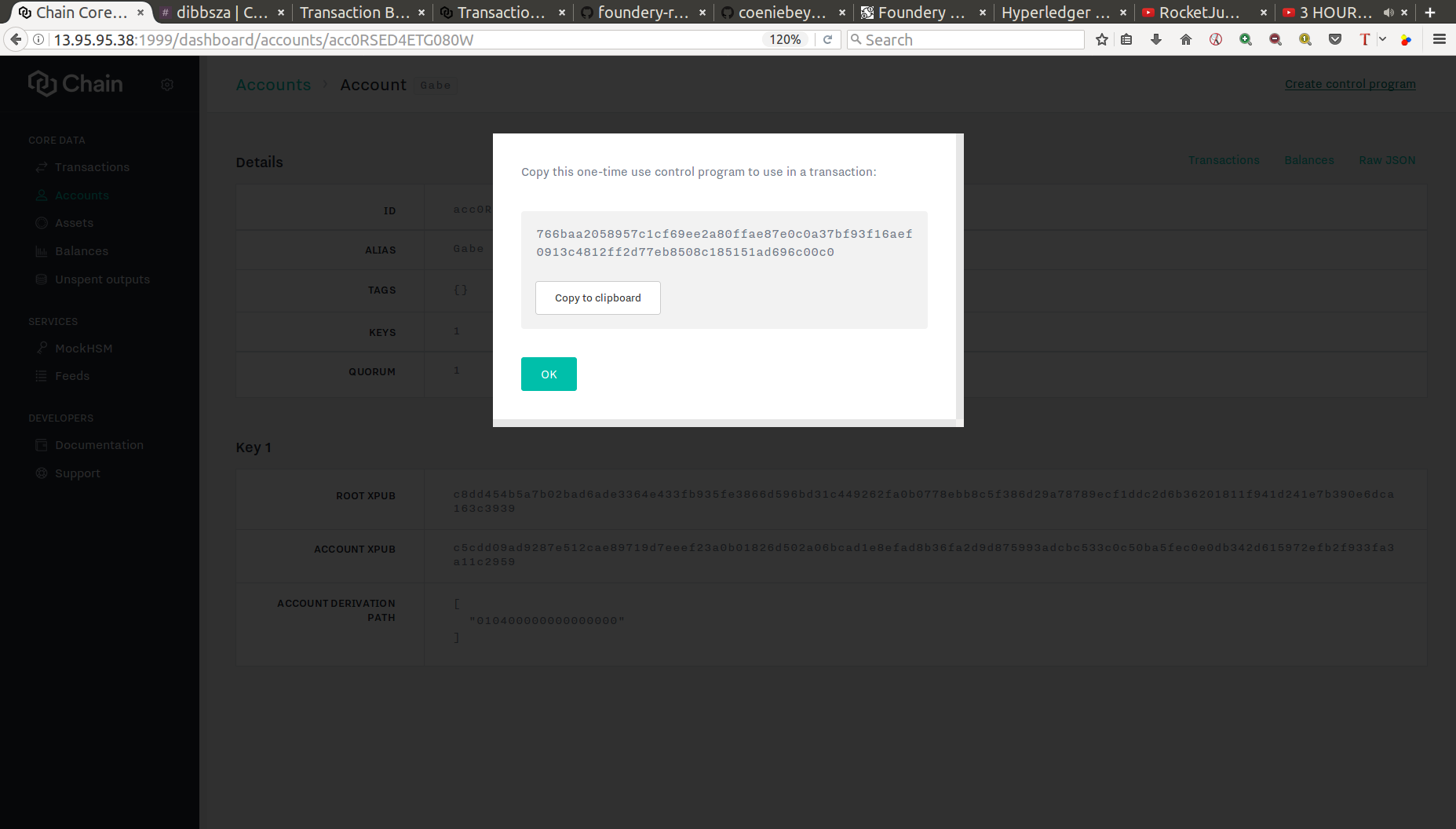
**Create a control program**

1. Click on the “Accounts” side bar tab on the left side
2. Click on the view details within the same row as the Account Alias name on the right of Account ID
3. Click on the “Create control program” at the top right corner
4. Copy that code to the clip board and paste it somewhere (notepad) where you will use it in future.

Below will have a practical example of the process.



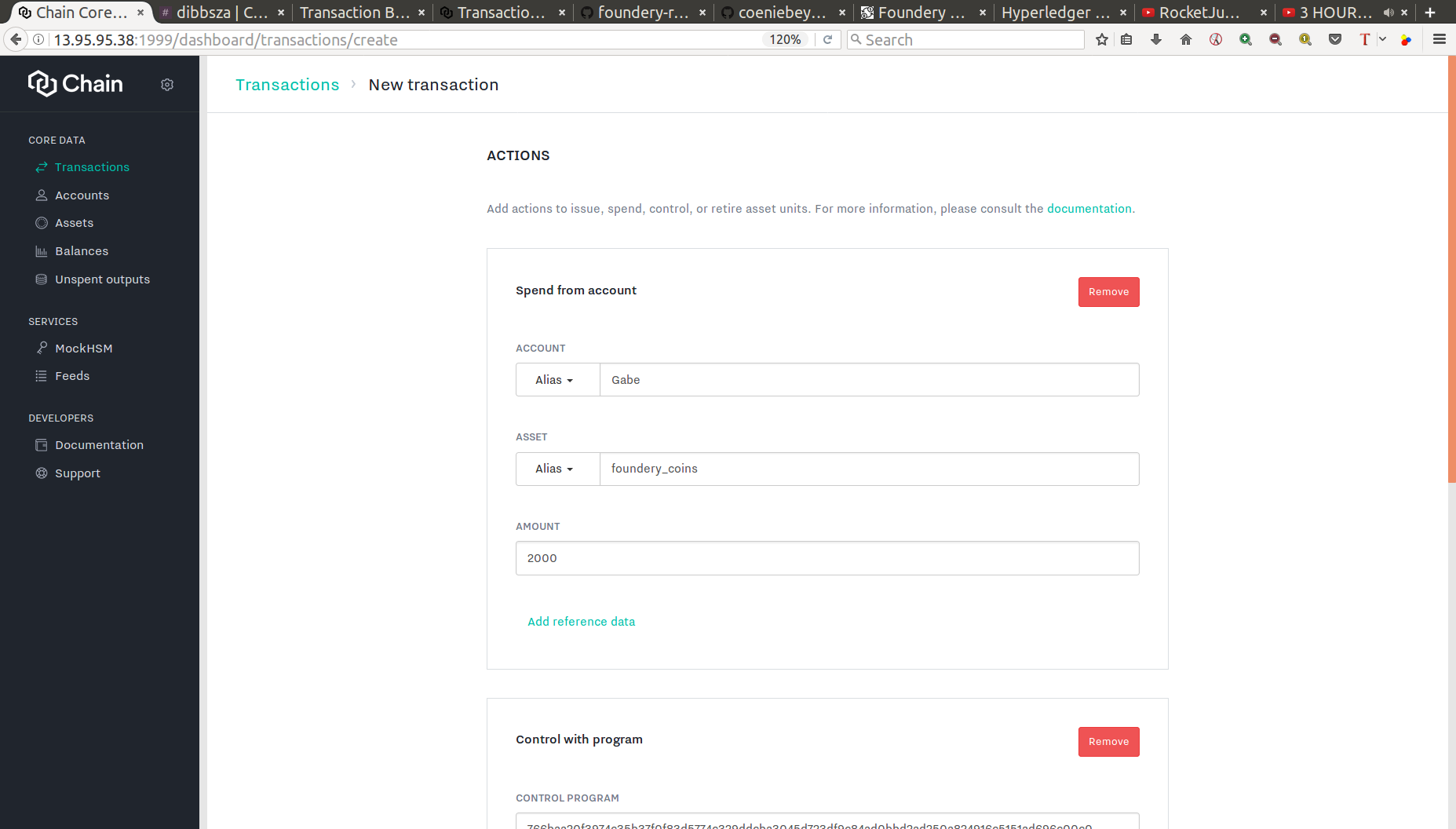
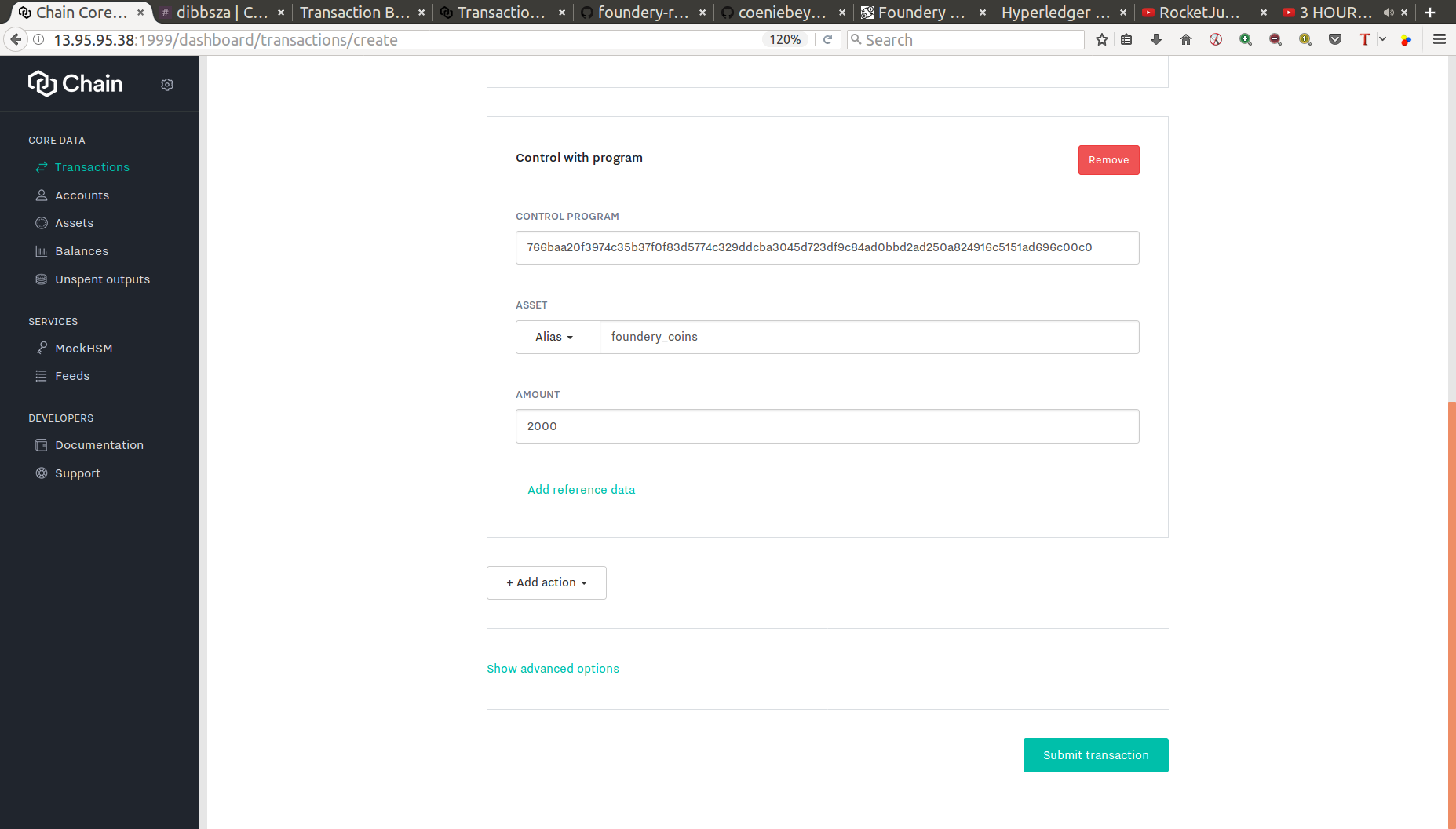




**Using the control program just created to trade with people on other nodes.**  
Ask for the other person’s control program.

To send them your asset do the following.

1. Click on the side bar tab “Transactions”. Once there click on the “+ New transaction”
2. Click on “+ Add action” and select “Spend from account”
3. Enter the name of the account alias from which you want to spend the asset.
4. Enter the name of the asset alias you want to spend
5. Enter the amount
6. Click on “+ Add action” and select “Control with program”
7. Enter the Control Program that you get from the other person.
8. Enter the name of the asset alias entered in step 4
9. Enter the same amount
10. Click on “Submit transaction” once done

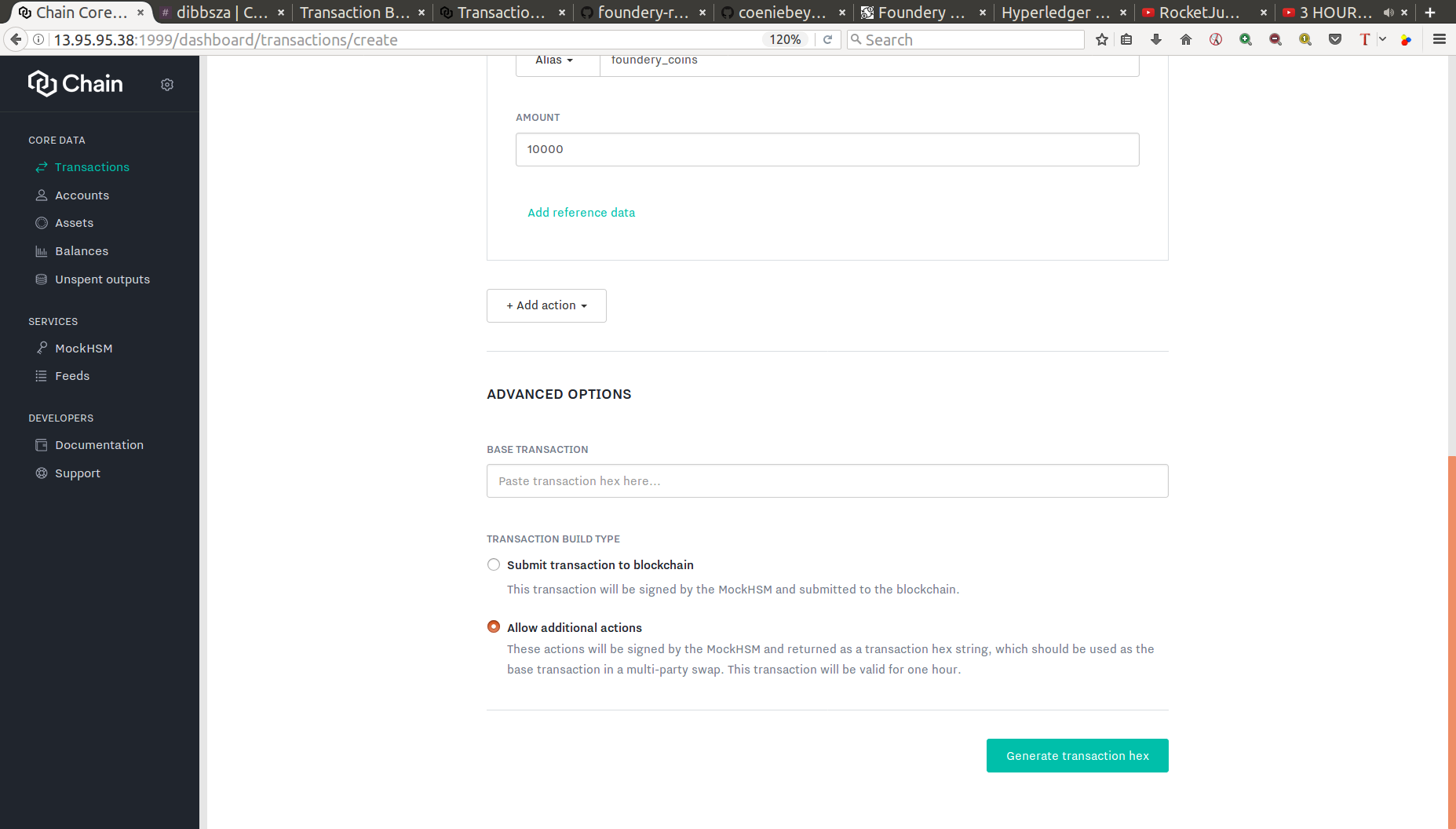
Below will have a practical example of the process.

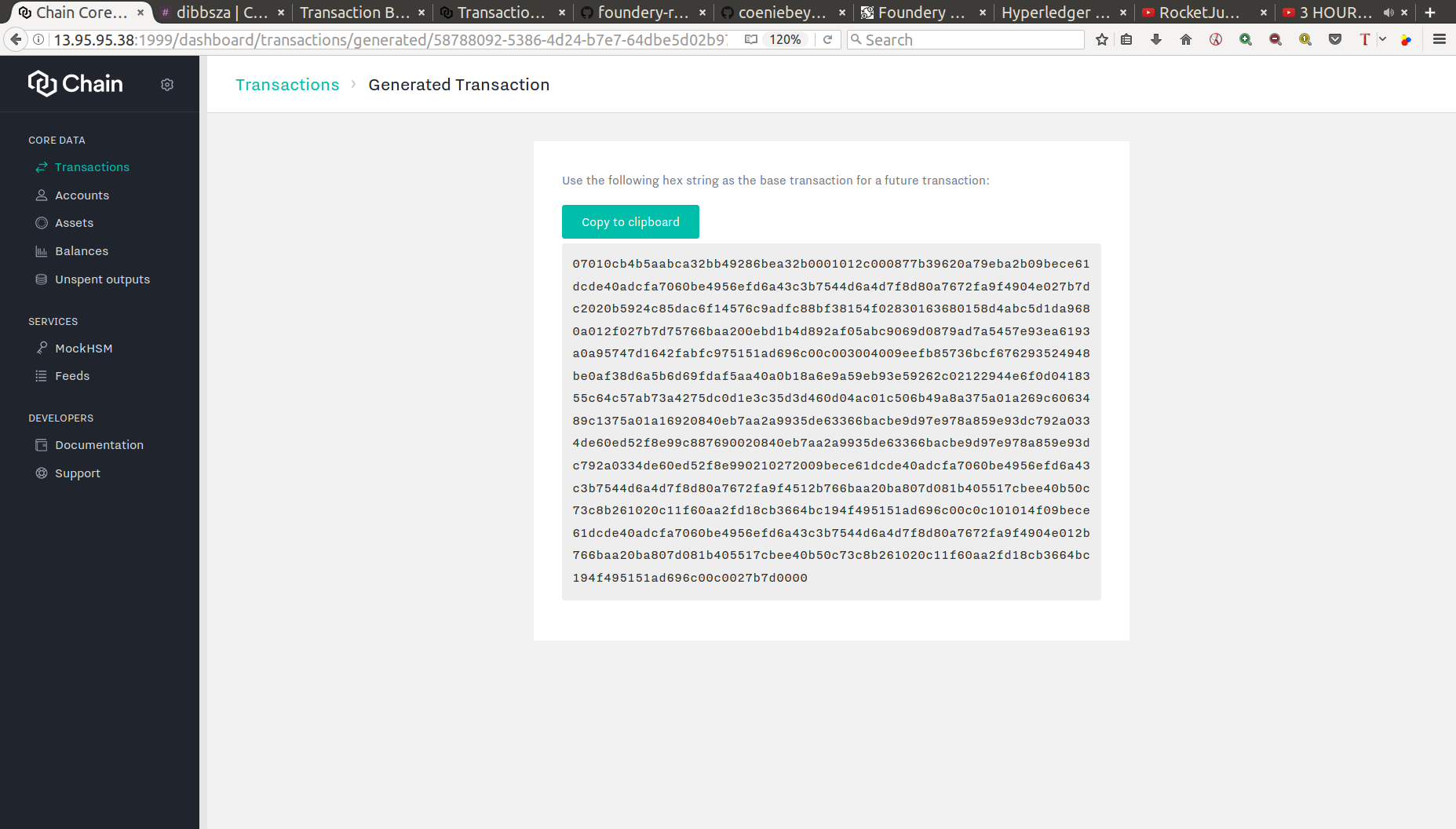
**Quick shortcut for repeated actions e.g. refunding an account**

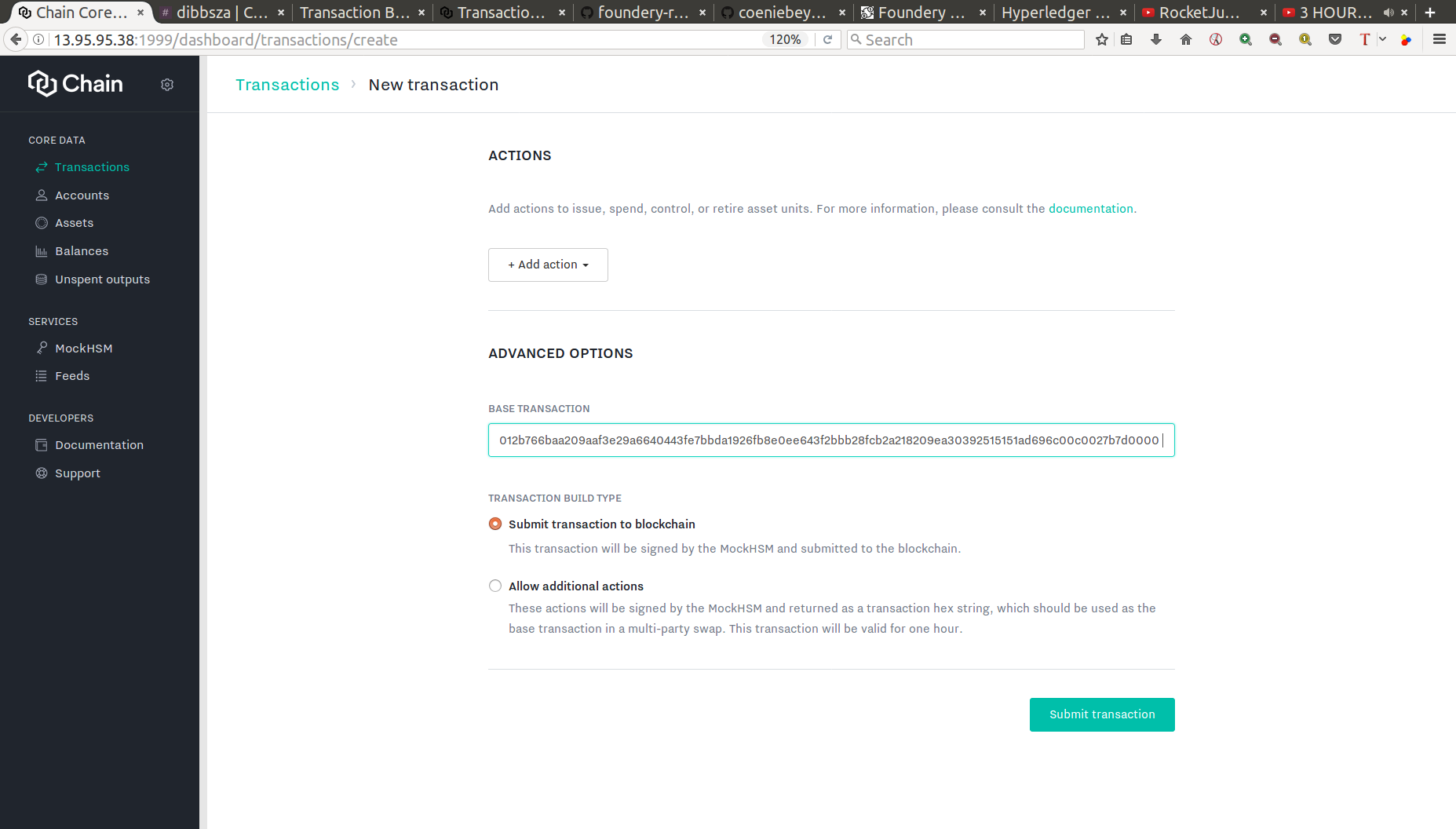
Repeat the Adding funds to your asset steps but before you click on “Submit transaction”

1. Click on “Show advanced options”
2. Then Click on “Allow additional actions”  
   PS you will notice that “Submit transaction” will change to “Generate transaction hex”
3. Click on “Generate transaction hex”
4. Then click on “copy to clipboard” and paste this code where you can get it again.
5. Click on the side bar tab “Transactions”. Once there click on the “+ New transaction”
6. Click on “Show advanced options”
7. Select the “Submit transaction to blockchain”
8. Paste that code into the “Base transaction”
9. Click on “Submit transaction”

Below will have a practical example of what is entered in each step.







This can be very useful for doing multiple transactions of the same nature and for multi-party transactions and asset swaps.

# Multiparty Trades

Important Note: This will need you to be in communication with the person with whom you are transacting.

Part: 1  
This is done on the 1st persons node (account). It does not matter which one of you does these steps

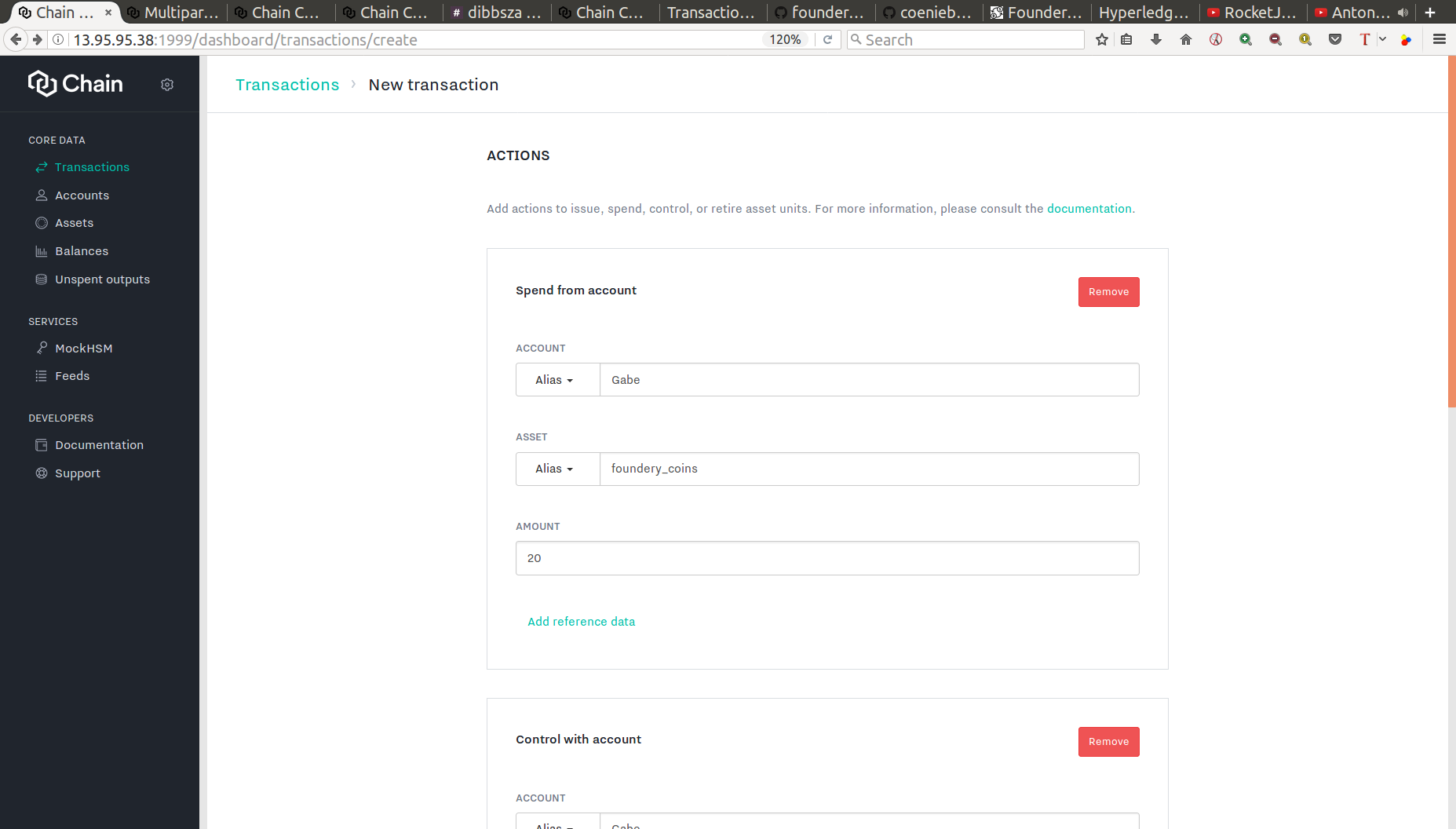
1. Click on the side bar tab “Transactions”. Once there click on the “+ New transaction”
2. Click on “+ Add action” and select “Spend from account”
3. Enter the name of the account alias from which you want to spend the asset.
4. Enter the name of the asset alias you want to send
5. Enter the amount
6. Click on “+ Add action” and select “Control with account”
7. Enter the name of the account alias same as entered in step 3.
8. Enter the ID of the asset that you are trading for. The person whom you are trading with will have to give you the asset ID
9. Enter the amount
10. Click on “Show advanced options”
11. Then Click on “Allow additional actions”
12. Click on “Generate transaction hex”
13. Then click on “copy to clipboard” and paste this code where you can get it again.

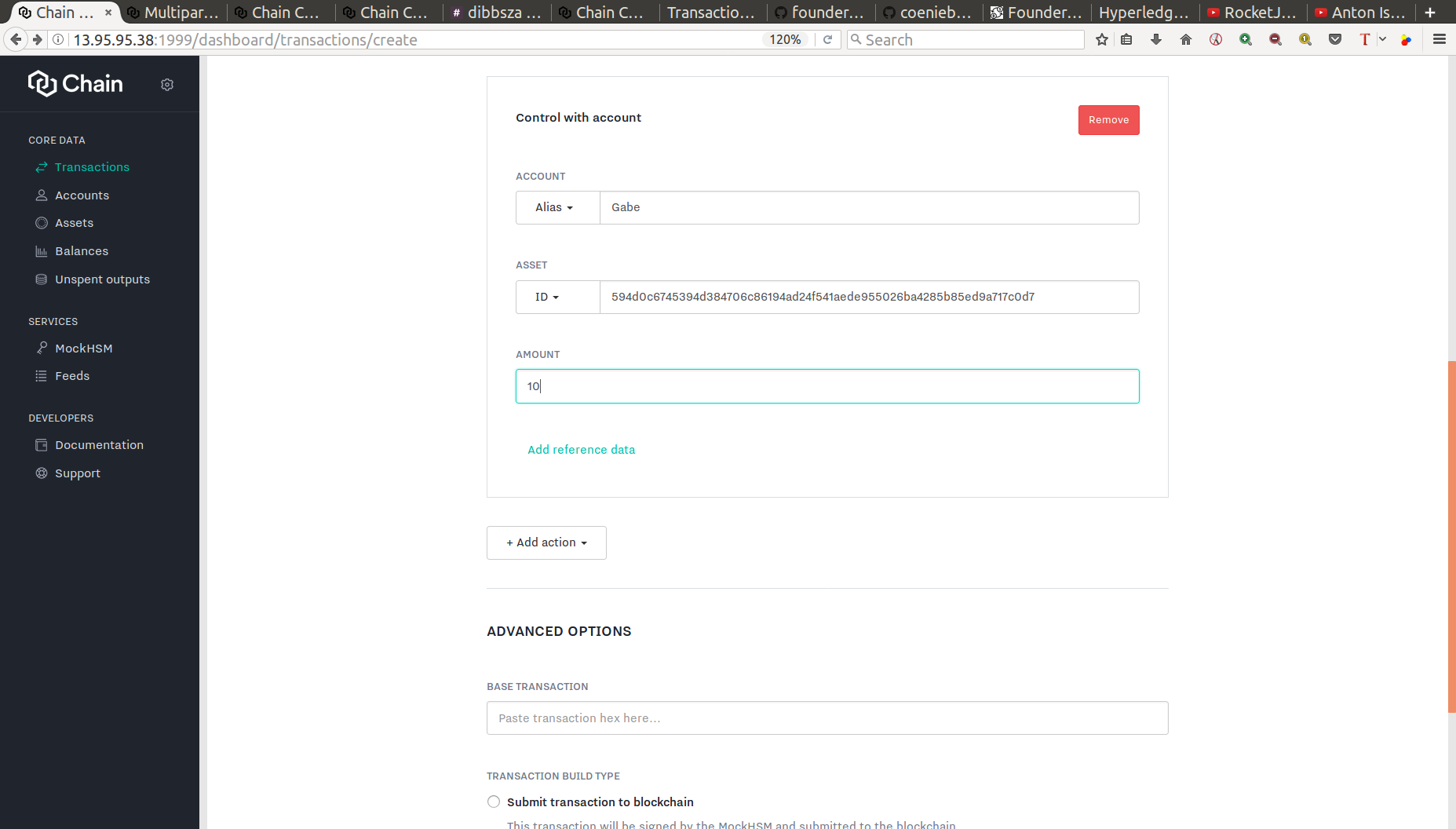
Part: 2  
This is done on the other persons node (account)

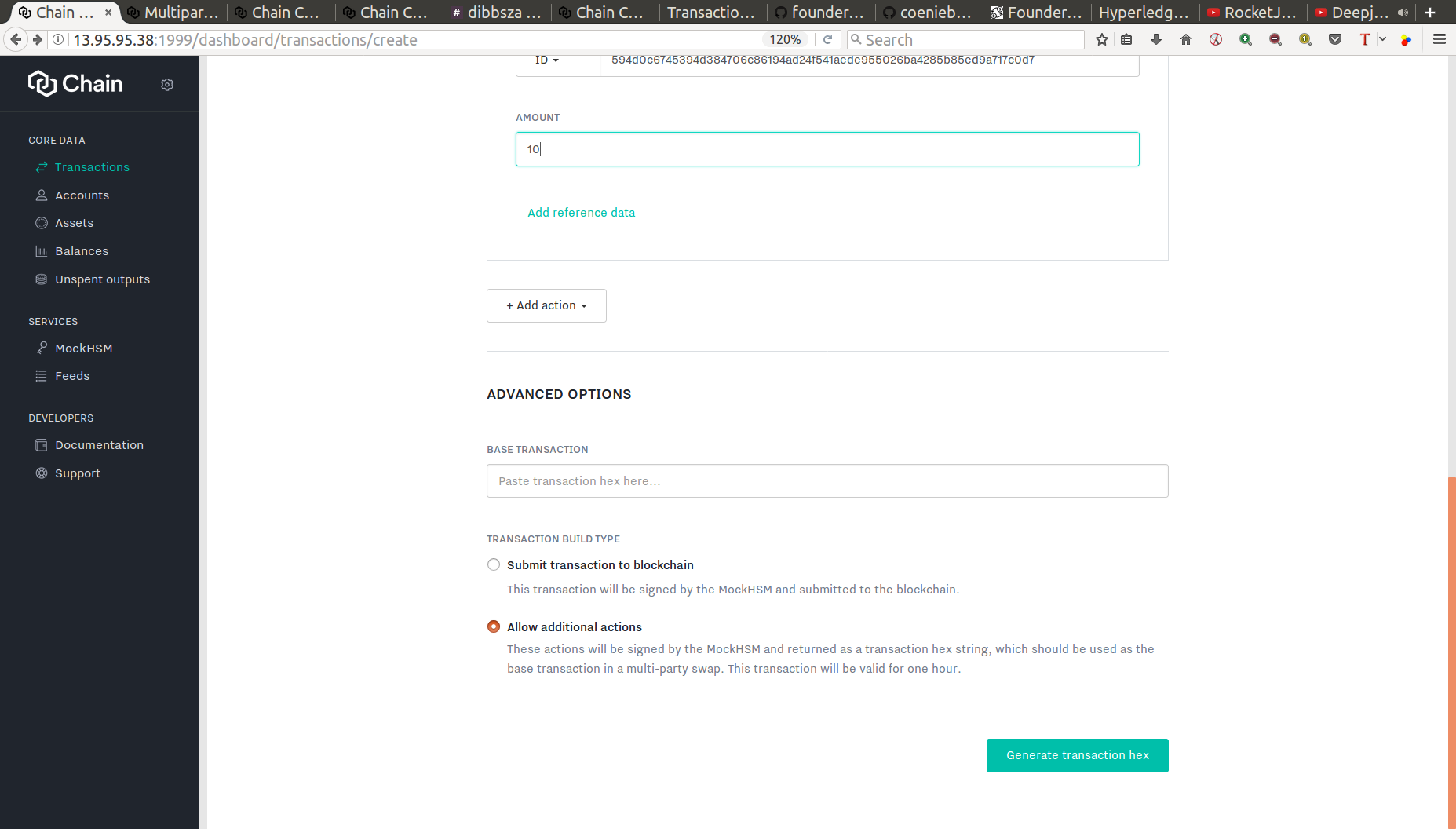
1. Click on the side bar tab “Transactions”. Once there click on the “+ New transaction”
2. Click on “+ Add action” and select “Spend from account”
3. Enter the name of the account alias you want to send the asset from.
4. Enter the name of the asset alias you want to send
5. Enter the amount. Make sure this amount matches amount in step 9 of part 1
6. Click on “+ Add action” and select “Control with account”
7. Enter the name of the account alias same as entered in step 3.
8. Enter the ID of the asset that you are trading for. The person whom you are trading with will have to give you the asset ID. Make sure this is the ID of the asset in step 4 of part 1
9. Enter the amount. Make sure this amount matches amount in step 5 of part 1
10. Click on “Show advanced options”
11. Select the “Submit transaction to blockchain”
12. Paste that code into the “Base transaction”
13. Click on “Submit transaction”

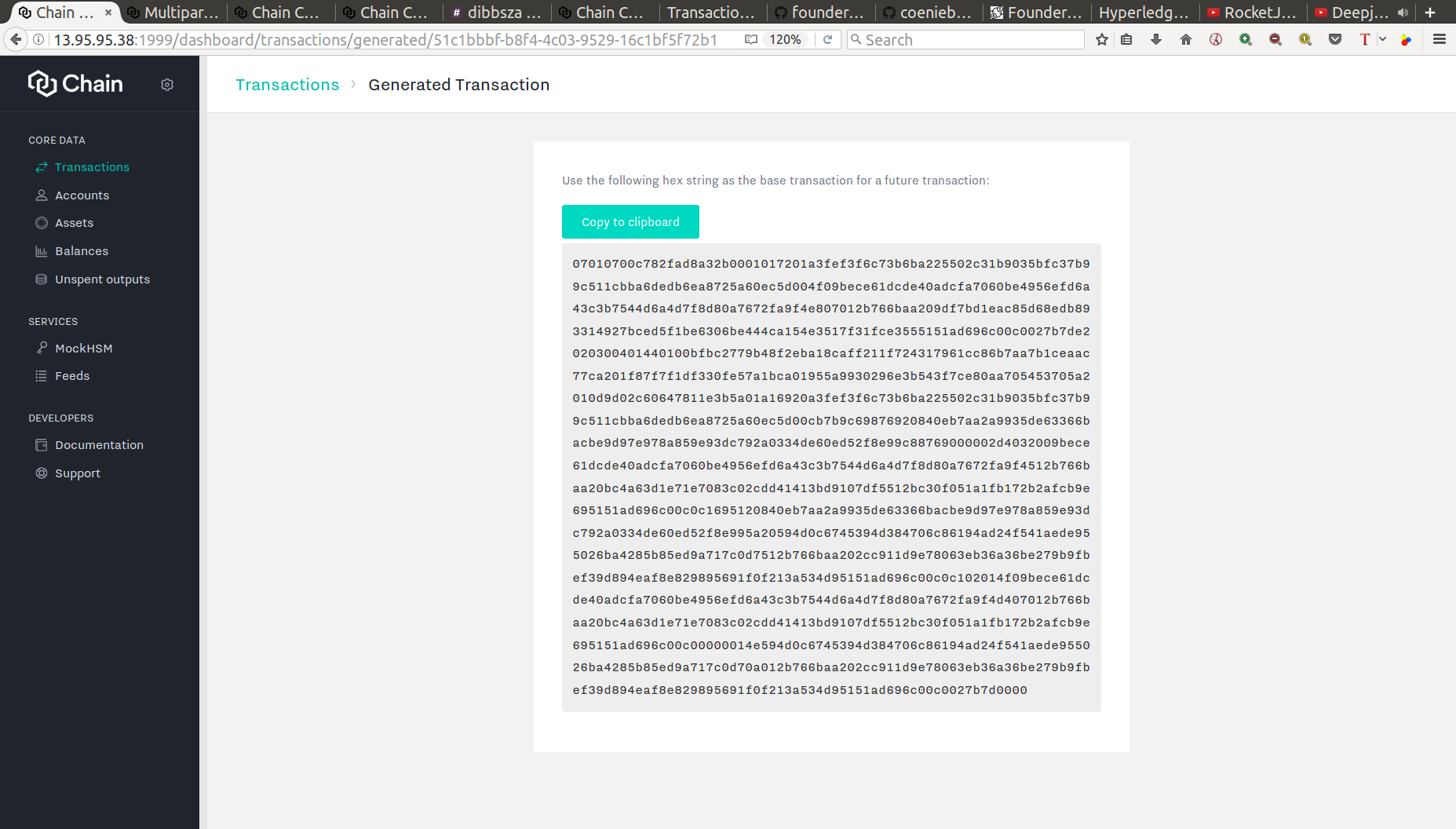
Below will have a practical example of what is entered in each step.

This is Part:1









This is Part:2

