

Personal account Guidelines

THE MANUAL INCLUDES “ARBITRAGE” SECTION

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Add server

To create a server, you need to click on the “Arbitrage” section, then on the “Add server” button. You will see the page where you can create the server.

Add server

Click below to create server with a trading robot Arby.tech.
You can select the robot settings in your personal account or inside the server.
To create server for just TIM 1.00 per month, click the button below.

Required amount must be in your Euro account, otherwise the transaction will not pass.

I acknowledge and agree that the Arby.tech server is provided "AS IS". The service does not guarantee any financial profit or number of trade transactions.
All decisions and consequences of using the service are my personal responsibility.

[Create Server](#)

To start, check your agreement to the disclaimer, and then click the “Create server” button.

Add server

Thank you! Your new Arby.tech server is being created. It will take a couple of minutes.

You need to wait a bit because the process may take a few minutes. When the server is created, you will see:

Server

Status: provisioning
IP address: 172.105.130.21
Password: 51774958c0db239517a5fd20b74abfce

[Reboot server](#)
[Delete server](#)

[Settings](#) [Logs](#) [Chains](#)

Server

In the Server tab, you can manage your server, see logs and chains, and also change the default settings.

To restart the server, click

Reboot server


To delete it, click


Delete server

Here you can see the status, IP address of the server, password from the server.

Username: root

Status: **running**

IP address: **172.105.130.21** 

Password: **51774958c0db239517a5fd20b74abfce** 

Settings

Here are your Feed keys. They are needed to gain an access to incoming chains.

Api key

Key	dCn8CfAMrzkYyudRsLFPIn9jI 
Secret	g4BSietaTZ9hhsItpEwgUDdEX5LiChJTioXiCRUWuBJS4x0ecr 

To start making transactions, you need to enter the keys to the exchanges where you will make transactions.

Bitfinex

Key *

Secret *

Discard

Save changes

To save your changes, click the button below

Save changes

In the table below you can see the default settings. You can change them by clicking on the field.

MODULE	SETTINGS	VALUE	COMMENT
ROOT	lock_timeout	<input type="text" value="180000"/>	Unlock timeout
ROOT	percent_balance	<input type="text" value="0.9"/>	The amount of the deal cannot exceed the VALUE of the balance
LITE	accept	<input type="text" value="true"/>	Accept Lite deals
LITE	percent_accept	<input type="text" value="0.2"/>	Accept chain if profit is more than VALUE%
LITE	force_trading	<input type="text" value="3"/>	Use market orders if profit is more than VALUE%
LITE	rate_diff	<input type="text" value="0.05"/>	Accept chain if orderbooks difference is not more than VALUE%
LITE	multiplier	<input type="text" value="2"/>	Multiply chain amount in VALUE times
FULL	accept	<input type="text" value="true"/>	Accept Full deals
FULL	percent_accept	<input type="text" value="0.1"/>	Accept chain if profit is more than VALUE%
FULL	force_trading	<input type="text" value="1.5"/>	Use market orders if profit is more than VALUE%
FULL	rate_diff	<input type="text" value="0.1"/>	Accept chain if orderbooks difference is not more than VALUE%
FULL	multiplier	<input type="text" value="4"/>	Multiply chain amount in VALUE times

Do not forget to click the “Update” button under the table to save your changes.

[Save changes](#)

Logs

Here you can see the logs. To do this, select the date and time you are interested in. You can find here errors as well. To see them click on err.log.

[> 2021-07-26](#)
[└ 14.log](#)
[err.log](#)

An example of logs is represented below

2021-07-26/ 14.log

```

2021-07-26 14:11:04:6 - 1021/59543552 : stats.js : Parametr are not loaded
2021-07-26 14:12:03:0 - 1049/56381440 : api.js : Setup API server connection
2021-07-26 14:12:03:0 - 1049/56713216 : stats.js : Loading neutral network.
2021-07-26 14:12:03:0 - 1049/56713216 : stats.js : Loading parameters.
2021-07-26 14:12:03:1 - 1049/59645952 : stats.js : {"lock_timeout":180000,"percent_balance":0.9,"lite":
{"accept":true,"percent_accept":0.2,"force_trading":3,"rate_diff":0.05,"multiplier":2},"full":
{"accept":true,"percent_accept":0.1,"force_trading":1.5,"rate_diff":0.1,"multiplier":4},"bfx":{"key":"","secret":"","bnc":{"key":"","secret":"","bts":
{"key":"","secret":"","client_id":"","timeout":10000,"host":"www.bitstamp.net"},"bt":{"key":"","secret":"","cex":
{"user_id":"","key":"","secret":"","apiKey":"bP8ei2WK8Ohgpve4fxNj3y2gk"},"apiSecret":"SUvvvphoClkak9GJxQVd2bq9qaxecA9XBjJfFeSFXGjFq9jc30"}
2021-07-26 14:12:03:1 - 1049/59752448 : bts.js : Credentials are empty, market is not started
2021-07-26 14:12:03:1 - 1049/59752448 : bnc.js : Credentials are empty, market is not started
2021-07-26 14:12:03:1 - 1049/59854848 : bfx.js : Credentials are empty, market is not started
2021-07-26 14:12:03:1 - 1049/59854848 : btx.js : Credentials are empty, market is not started
2021-07-26 14:12:03:1 - 1049/60014592 : cex.js : Credentials are empty, market is not started
2021-07-26 14:12:03:1 - 1049/60014592 : stats.js : Initiating stats gathering.
2021-07-26 14:12:03:1 - 1049/60129280 : stats.js : Statistic is not found... recovering
2021-07-26 14:12:06:8 - 1049/70250496 : bnc.js :
{"ETHBTC":6,"LTCBTC":6,"BNBBTC":6,"NEOBTC":6,"QTUMETH":6,"EOSETH":6,"SNTETH":8,"BNTETH":6,"BCCBTC":6,"GASBTC":7,"BNBETH":5,"BTCUSD":
2021-07-26 14:12:06:8 - 1049/70250496 : bnc.js :
{"ETHBTC":3,"LTCBTC":2,"BNBBTC":2,"NEOBTC":2,"QTUMETH":2,"EOSETH":2,"SNTETH":0,"BNTETH":2,"BCCBTC":3,"GASBTC":2,"BNBETH":3,"BTCUSD":
2021-07-26 14:12:13:4 - 1049/68743168 : trader.js : Arby server socket opened...
2021-07-26 14:12:14:8 - 1049/68943872 : stats.js : Incoming chain: lite profit: 101.38021499128416 chain: bnc:xlm/USD-bts:xlm/USD time: 1.555
2021-07-26 14:12:14:8 - 1049/68943872 : stats.js : NOT BLOCKED: Chain: bnc:xlm/USD-bts:xlm/USD timestamp: 1627308734858
2021-07-26 14:12:14:8 - 1049/68943872 : stats.js : Actual price is more that acceptable (type BUY / Lite): bnc:xlmUSD:0.27536:0.27549768:
2021-07-26 14:12:14:8 - 1049/68943872 : stats.js : Incoming chain: full profit: 101.36469517886133 chain: bnc:xlm/USD-bts:xlm/USD time: 1.557

```

Chain

This table shows the analysis of the chains. Here you can see the chain, profit, depth and status

Type	Chain	Deep	Profit	Short	Status	Comment	Date
LITE	<pre>[{"orderBook":{"bnc","pair":"xlmBtc","amount":0.008,"currency":"btc","arr_size":2,"volume":56147,"rate":0.00000604,"side":"buy","time":1664779518861}, {"orderBook":{"bts","pair":"xlmUSD","amount":1323.17880794702,"currency":"xlm","arr_size":8,"volume":2250.00000000,"rate":0.12,"side":"sell","time":1664779532456}, {"orderBook":{"bnc","pair":"btcUSD","amount":158.4638940397351,"currency":"USD","arr_size":16,"volume":0.01358,"rate":19162.96,"side":"buy","time":1664779531967}]</pre>	3	103.263	bnc:xlm/btc-bts:xlm/USD-bnc:BTC/USD	Incoming	Profit > 3%	2022-10-03 06:45:44
FULL	<pre>[{"orderBook":{"bnc","pair":"xlmBtc","amount":0.008,"currency":"btc","arr_size":2,"rate":0.00000604,"side":"buy","time":1664779518861}, {"orderBook":{"bts","pair":"xlmUSD","amount":1323.17880794702,"currency":"xlm","arr_size":8,"rate":0.12,"side":"sell","time":1664779532456}, {"orderBook":{"bnc","pair":"btcUSD","amount":158.4638940397351,"currency":"USD","arr_size":16,"rate":19163.92536985,"side":"buy","time":1664779531967}]</pre>	3	103.257	bnc:xlm/btc-bts:xlm/USD-bnc:BTC/USD	Incoming	Profit > 3%	2022-10-03 06:45:44
FULL	<pre>[{"orderBook":{"bnc","pair":"xlmBtc","amount":0.008,"currency":"btc","arr_size":2,"rate":0.00000604,"side":"buy","time":1664779518861}, {"orderBook":{"bts","pair":"xlmUSD","amount":1323.17880794702,"currency":"xlm","arr_size":8,"rate":0.12,"side":"sell","time":1664779532456}, {"orderBook":{"bnc","pair":"btcUSD","amount":158.4638940397351,"currency":"USD","arr_size":16,"rate":19163.92536985,"side":"buy","time":1664779531967}]</pre>	3	103.257	bnc:xlm/btc-bts:xlm/USD-bnc:BTC/USD	Incoming	Profit > 3%	2022-10-03 06:45:44

1. Type of the transaction
2. All incoming chains
3. Chain depth
4. Gained profit
5. Short chain
6. Chain status (You can edit it in a script)
7. Comment (You can edit it in the script)
8. Date when this chain was profitable

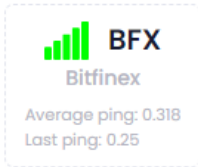
Markets

This page contains exchanges where you can make transactions using our program. Average and Last ping - Average and last speed of connection with the exchange (seconds).

ACCEPTABLE MARKETS



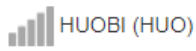
The number of sticks shaded green/orange shows the current connection level to the exchange.



- excellent compound



- straight-chain compound



- no connection

Below you can also see an analysis of the pairs used on each of the exchanges. Here are displayed the currently available and unavailable pairs, the most used and the less used pairs.

Available orderbooks	Not available orderbooks	Most useful pairs	Not useful pairs
BTC/USD BTC/EUR ETH/BTC ETH/USD LTC/BTC LTC/USD XRP/USD XRP/BTC BCH/USD BCH/BTC ETH/EUR OMG/USD OMG/BTC XLM/BTC XLM/USD LINK/BTC LINK/USD		XRP/BTC BTC/USD XRP/USD	BTC/EUR ETH/EUR OMG/USD OMG/BTC XLM/BTC XLM/USD LINK/BTC LINK/USD

This table shows the available pairs, which are involved in the chains. It is easy to analyze pairs using this table. The filter allows you to select any pair you are interested in.

Most useful pairs

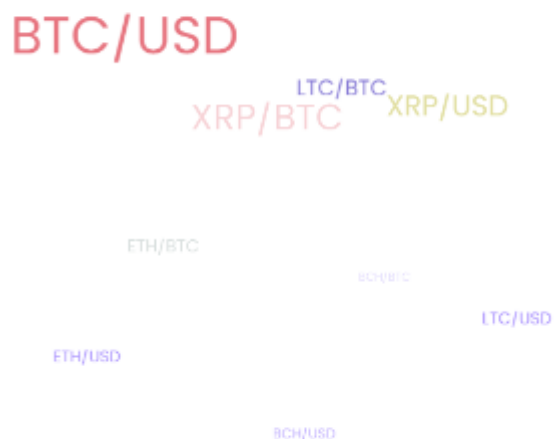
XRP/BTC ▾

CHAIN	DEEP	APPEARED	PROFIT
BTS:XRP/BTC - CEX:XRP/USD - BNC:BTC/USD	3	11458	3133.26%
BTS:XRP/BTC - CEX:XRP/USD - BTS:BTC/USD	3	2490	590.64%
BTS:XRP/BTC - CEX:XRP/USD - BTX:BTC/USD	3	2239	531.15%
BTS:XRP/BTC - CEX:XRP/USD - BFX:BTC/USD	3	488	100.91%
BTS:XRP/BTC - CEX:XRP/USD - CEX:BTC/USD	3	141	34.09%

1. Analyzed chain
2. Chain depth
3. How many times this chain appeared on the exchange
4. Profit that was gained using this chain.

This animation clearly shows which pairs are the most used and profitable. Each of these pairs is clickable - by clicking on any of the pairs you can see a detailed analysis of this pair in the table above.

Pair clouds with useful weights

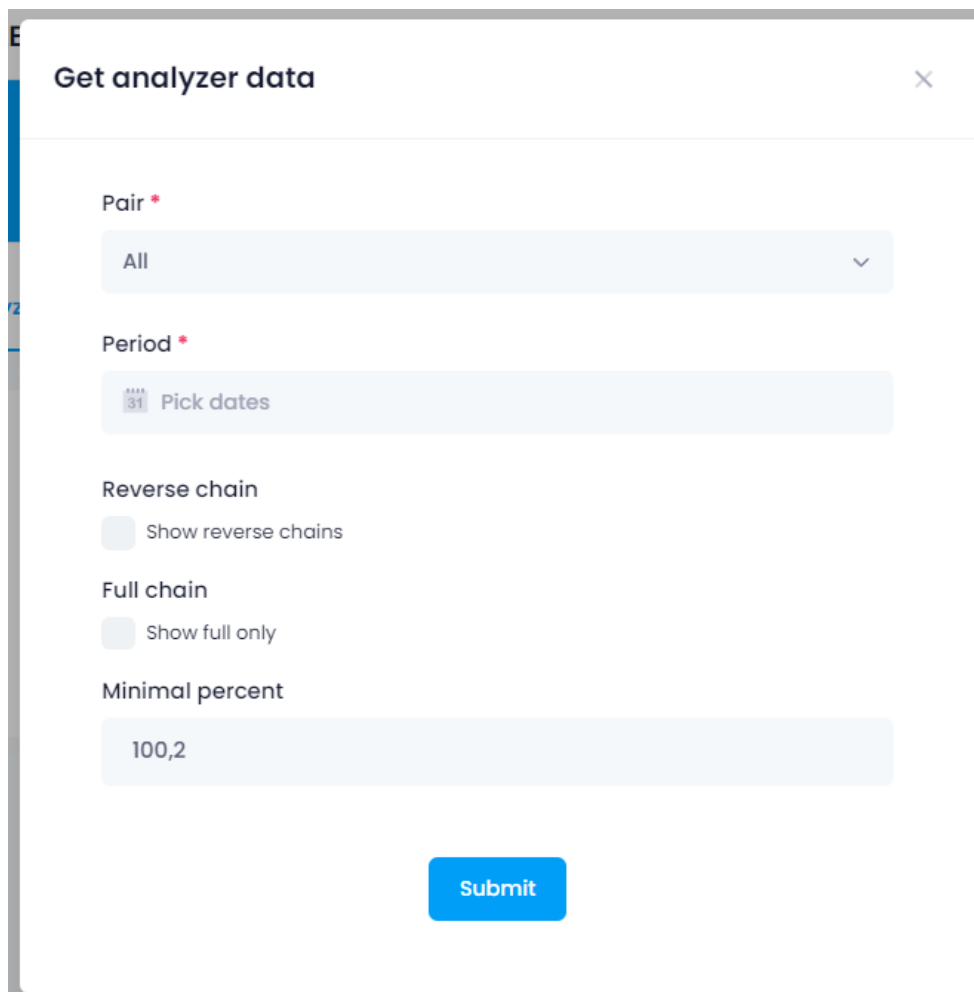


Analyzer

Markets [Analyzer](#) [Online](#)

Get analyzer data

In the Analyzer section, you can view the incoming chains and sort them as it is convenient for you.

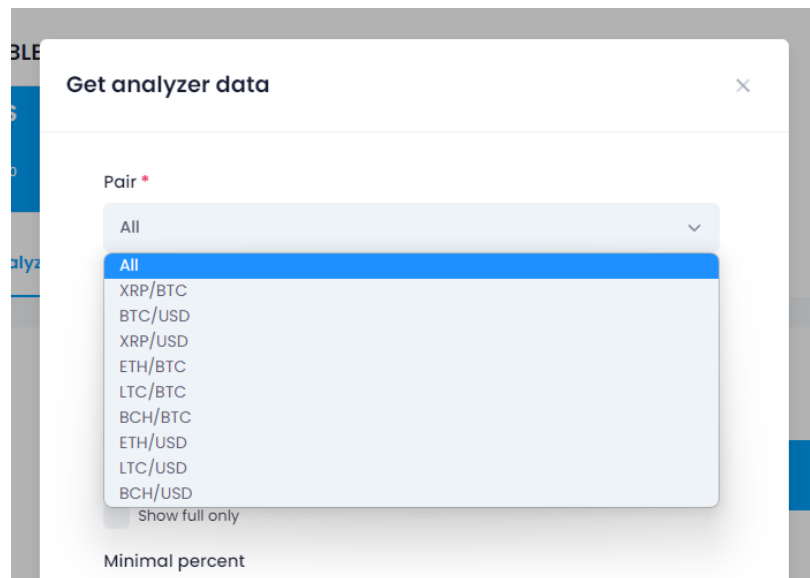


The screenshot shows a modal window titled "Get analyzer data" with a close button (X) in the top right corner. The form contains the following fields and options:

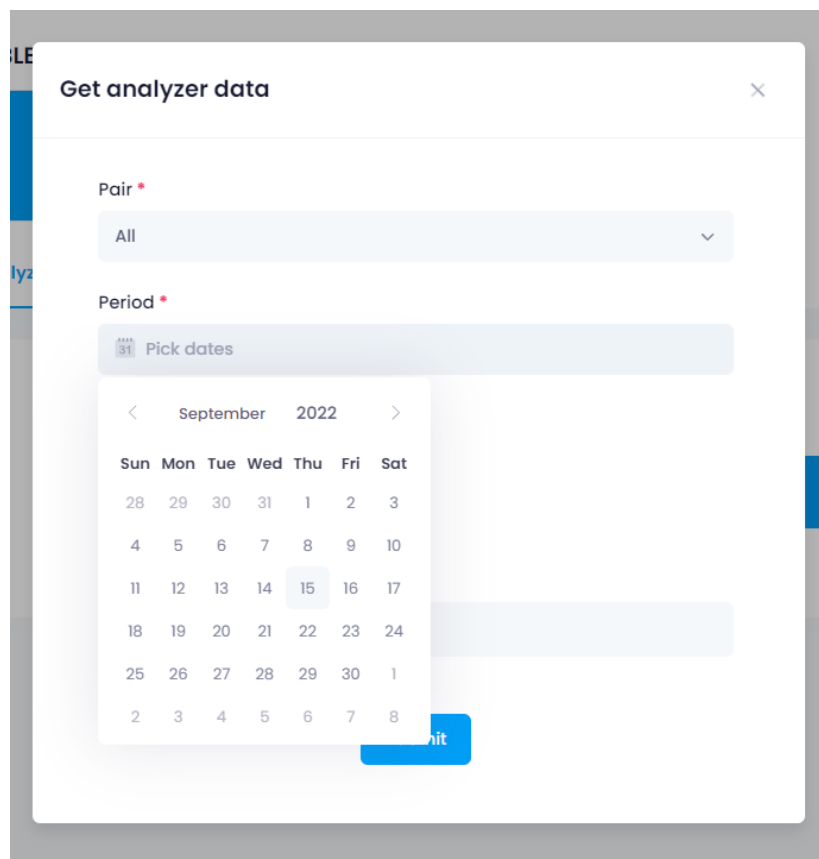
- Pair ***: A dropdown menu with "All" selected and a downward arrow.
- Period ***: A date picker field showing "31" and the text "Pick dates".
- Reverse chain**: A checkbox labeled "Show reverse chains" which is currently unchecked.
- Full chain**: A checkbox labeled "Show full only" which is currently unchecked.
- Minimal percent**: A text input field containing the value "100,2".

A blue "Submit" button is located at the bottom center of the form.

Here you can choose the pairs you would like to see.



Then select the time period for which you would like to see the chains.



Choose the type of chains you are interested in:

Reverse chain

Show reverse chains

Full chain

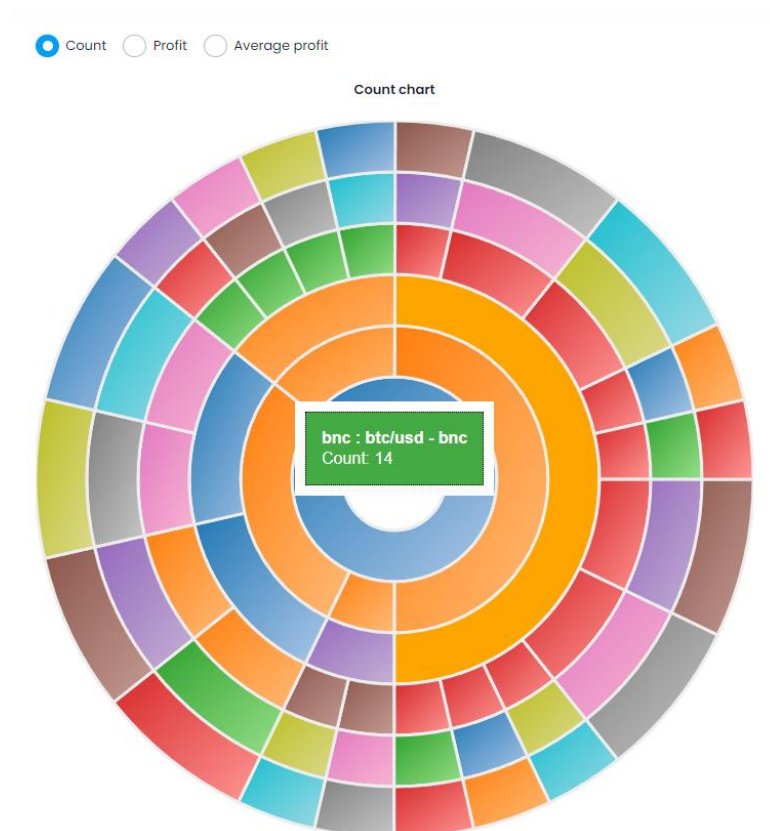
Show full only

And now specify the minimal profit of the chains.

Minimal percent

Then click the “Update” button and wait a bit. The process may take a couple of minutes.

Below is presented a circular diagram of currency pairs.



Here you can choose the type of pair analysis. The larger the cell size of the pair is, the more used it is, or the more profit it has.

Count Profit Average profit

At the bottom of the page you can see a table that displays data of direct and reverse chains.

Analyzer List

Chain	Direct count	Direct days	Direct history	Direct profit	Reverse count	Reverse days	Reverse history	Reverse profit
bts:xrp/usd-cex:xrp/usd	5503	13	2022-03-31:6 2022-04-11:31 2022-04-21:1 2022-04-25:8 2022-04-30:19 2022-05-01:2 2022-05-09:5 2022-05-10:2 2022-05-11:3608 2022-05-12:1816 2022-05-13:1 2022-05-14:2 2022-05-16:2	2126.15	11	3	2022-05-09:5 2022-05-11:4 2022-05-13:2	14.74
bts:btc/usd-cex:btc/usd	1335	6	2022-04-18:7 2022-05-07:3 2022-05-10:1 2022-05-11:41 2022-05-12:1271 2022-05-13:12	576.28	911	6	2022-04-18:5 2022-05-07:3 2022-05-10:1 2022-05-11:41 2022-05-12:849 2022-05-13:12	402.27

1. Analyzed chains
2. Number of direct chains
3. Number of days when the number of chains specified in column 2 occurred
4. Number of chains per day
5. Profit gained from this type of chain
6. Number of reverse chains
7. Number of days when the number of chains specified in column 6 occurred
8. Number of chains per day
9. Profit gained from this type of chain

Downloads

The “Downloads” section contains a brief description of the program, as well as some commands presented as the pieces of code.

Get started

To execute the program, you must insert code:

```
const API = require('../libs/api.js');  
api = new API( error );
```

Statistical data of the chain analyzer are available in a visual format in the user's personal account and can also be viewed by this request:

```
let command = 'report/chains';  
let params = {"chain": "xrp", "dateFrom": "2020-08-15", "dateTo": "2020-09-24", "reverse": true, "profit": "100.2", "lite": "0"};  
api.request( command, params, function ( response ) {  
    console.log(response);  
});
```

Using this command, you can save chains by yourself and display them in your personal account.

```
var params = [feed.lite, orderId, feed.history, feed.deep, feed.profit, feed.chain];  
api.request('saving/chain', params, function ( response ) {});
```

The file [feed.example.js](#) contains an example of a request to the FEED server

To execute the example, you must set the following current parameters:






```
const apiKey = 'your-api-key';  
const apiSecret = 'your-api-secret';
```

In addition, a valid license and contacts are specified.

Online

In this section you can see the latest chains that are suitable for further use. These chains are the material for the further work of our program. They are displayed in real time.

ACCEPTABLE MARKETS

 BTS Bitstamp Average ping: 0.29 Last ping: 0.286	 BNC Binance Average ping: 0.853 Last ping: 0.486	 BFX Bitfinex Average ping: 0.317 Last ping: 0.294	 BTX Bittrex Average ping: 0.146 Last ping: 0.116	 CEX CEX.IO Average ping: 0.474 Last ping: 0.108
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Markets Analyzer **Online**

Last chains

Date:2022-01-01 01:58:15 | Chain: cex:btc/usc-d-bfx:dash/usc-d-btx:dash/btc | Lite: true | Profit: 100.00935737824419 | Spent time: 1.632
Date:2022-01-01 01:57:47 | Chain: bfx:dash/usc-d-btx:dash/btc-cex:btc/usc | Lite: true | Profit: 100.01676273606563 | Spent time: 9.187
Date:2022-01-01 01:58:08 | Chain: cex:btc/usc-d-bfx:dash/usc-d-btx:dash/btc | Lite: true | Profit: 100.01676273606563 | Spent time: 9.187
Date:2022-01-01 01:57:47 | Chain: bfx:dash/usc-d-btx:dash/btc-cex:btc/usc | Lite: true | Profit: 100.00195311694429 | Spent time: 7.893
Date:2022-01-01 01:58:01 | Chain: cex:btc/usc-d-bfx:dash/usc-d-btx:dash/btc | Lite: true | Profit: 100.00195311694429 | Spent time: 7.893
Date:2022-01-01 01:57:47 | Chain: bfx:dash/btc-btx:dash/btc | Lite: true | Profit: 100.03841494929218 | Spent time: 1.441
Date:2022-01-01 01:57:47 | Chain: bfx:dash/btc-btx:dash/btc | Lite: true | Profit: 100.0453406590744 | Spent time: 1.481
Date:2022-01-01 01:56:41 | Chain: bfx:dash/btc-btx:dash/btc | Lite: true | Profit: 100.01764357199711 | Spent time: 1.745
Date:2022-01-01 01:56:41 | Chain: bfx:dash/btc-btx:dash/btc | Lite: true | Profit: 100.024566640595258 | Spent time: 1.903
Date:2022-01-01 01:54:47 | Chain: bfx:dash/btc-btx:dash/btc | Lite: true | Profit: 100.01659971644938 | Spent time: 1.396
Date:2022-01-01 01:54:47 | Chain: bfx:dash/btc-btx:dash/btc | Lite: true | Profit: 100.02697631760967 | Spent time: 2.102
Date:2022-01-01 01:54:47 | Chain: bfx:dash/btc-btx:dash/btc | Lite: true | Profit: 100.02351721132898 | Spent time: 1.499
Date:2022-01-01 01:54:47 | Chain: bfx:dash/btc-btx:dash/btc | Lite: true | Profit: 100.02005834428385 | Spent time: 1.237
Date:2022-01-01 01:38:32 | Chain: bts:xlm/usc-d-bfx:xlm/usc | Lite: true | Profit: 100.04675734814813 | Spent time: 1004.411
Date:2022-01-01 01:38:32 | Chain: bts:xlm/usc-d-bfx:xlm/usc | Lite: false | Profit: 100.00066818527404 | Spent time: 2.052

You can select the exchange by clicking on it at the top of the page.

These graphs show the orderbooks (cups). Ask is red, Bid - green. They are displayed in real time.

