Strategy Evaluation Rapport

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April 24, 2020

Contents

Viewing swagger UI

```
docker pull swaggerapi/swagger-ui
docker run -p 8080:8080 -e SWAGGER_JSON=/vol/openapi.json \
    -v "$(pwd):/vol" swaggerapi/swagger-ui
```

Then open `localhost:8080`.

Description

Currently our backend implements 9 different endpoints (URI + Request Type).

Our OpenAPIv3 specification contains all the endpoints commonly available by the frontend.

Screenshots

default

PUT /strategy
create/update user-defined strategy (new if no uuid provided)

Parameters   Try it out

Name   Description

uuid   sp:87553966-ae3a-4228-ab46-a55558e
string
(query)

parameters * required
object
(query)
```
{
  "long_window": 200,
  "short_window": 20
}
```

name   MAC-200-50 :)
string
(query)

Responses

Code   Description   Links
200   Successful update/creation   No links
        Media type
        application/json
        Controls Accept header.
        Example Value:
        ```
        {
          "uuid": "ec31659c65-8412-6683-b6f2-237b366f7932"
        }
        ```

POST /strategy
get user-defined strategy

Parameters   Try it out

Name   Description
strategy * required   Examples: user strategy
string
(query)   su:51039c63-8412-4665-b6f2-217b26d

Responses

Code   Description   Links
200   OK   No links
        Media type
        application/json
        Controls Accept header.
        Example Value:
        ```
        {
          "name": "MAC-200-50 :)",
          "parameters": {
            "long_window": 200,
            "short_window": 20
          },
          "returns": 0.1
        }
        ```

GET /availablestrategies
get all strategies available to the user

Parameters   Try it out
No parameters

Responses

Code   Description   Links
200   OK   No links
        Media type
        application/json
        Controls Accept header.
        Example Value:
        ```
        {
          "prototype": [
            {
              "name": "MA Crossover",
              "uuid": "sp:6410864-6df2-42b4-bc76-7303944c9d51"
            },
            {
              "name": "MACD Crossover",
              "uuid": "sp:87033966-ae3a-4228-ab46-a55558a4da23"
            }
          ],
          "user": [
            {
              "name": "Custom Strategy",
              "uuid": "sp:87033966-ae3a-4228-ab46-a55558a4da23"
            }
          ]
        }
        ```

POST /strategyoptions
get parameters for a certain strategy prototype

Parameters   Try it out

Name   Description
protostrategy * required   Examples: global strategy prototype
string
(query)   sp:871dc104-ece4-4a7e-8637-077d623

Responses

Code   Description   Links
200   OK   No links
        Media type
        application/json
        Controls Accept header.
        Example Value:
        ```
        {
          "defaults": {
            "long_window": 30,
            "short_window": 5,
            "min": "B"
          },
          "constraints": {
            "long_window": [
              30,
              200
            ],
            "short_window": [
              1,
              200
            ],
            "max": [
              "A",
              "B"
            ]
          }
        }
        ```

GET /backtestoptions
get available options for backtesting

Parameters   Try it out
No parameters

Responses

Code   Description   Links
200   OK   No links
        Media type
        application/json
        Controls Accept header.
        Example Value:
        ```
        {
          "pairs": {
            "BTC/USDT",
            "BTC-USDT"
          },
          "resolution": {
            "1d",
            "1h"
          }
        }
        ```

POST /backtest
create a backtest session for the user

Parameters   Try it out

Name   Description
candles * required   Examples: 1 day
string
(query)   1d

exchange * required   Examples: Binance
string
(query)   binance

market * required   Examples: BTC/USDT pair
string
(query)   BTC-USDT

strategy * required   Examples: unique user strategy
string
(query)   su:44ffbdd-ed75-425e-bdcb-a9c065adc

startingBalance   List [0, 3000]
(query)

startTime   Unix timestamp
number   Examples: 30 Jan 2017
(query)
                       1485811665

endTime   Unix timestamp
number   Examples: 02 April 2020
(query)   1585825706

fee   fraction
number   Examples: 0.25%
(query)   0.0075

Responses