API documentation

This document contains the api and websocket documentation for prototype.sbulltech.com

Errors

Any api errors are returned with the following format. These errors can come with 2XX or 4XX or 5XX error code.

```
{
    "success": false,
    "err_msg": "some error message"
}
```

Underlyings Api

Method: Get

Endpoint: /api/underlyings

Response: Array of Underlying Instruments

Example

Request

```
curl 'https://prototype.sbulltech.com/api/underlyings'
```

Response

Derivatives Api

Method: Get

Endpoint: /api/derivatives/{underlying_token}

Response: Array of derivative instruments for a the given underlying

Example

Request

```
curl 'https://prototype.sbulltech.com/api/derivatives/3464002'
```

Response

Quote Api

Method: Get

Endpoint: /api/quote/{token}

Response: Quote with token and price for the given token

Example

Request

```
curl 'https://prototype.sbulltech.com/api/quotes/3821999'
```

Response

```
{
    "data_type":"quote",
    "payload":{
        "token":3821999,
        "price":169.13076152455824
    }
}
```

Websocket

All Client messages must be Websocket Text Messages with JSON encoding in the format specified below.

All Server messages are Websocket Text Messages with JSON encoding.

URL for websocket server wss://prototype.sbulltech.com/api/ws

Client Messages

Client Subscribe Message

Send JSON encoded Websocket Text Message with the list of tokens to subscribe

Example

```
{
    "msg_command":"subscribe",
    "data_type":"quote",
    "tokens":[5872172]
}
```

Client Unsubscribe Message

Send JSON encoded Websocket Text Message with the list of tokens to unsubscribe

Example

```
{
    "msg_command":"unsubscribe",
    "data_type":"quote",
    "tokens":[5872172]
}
```

Server Messages

Server Quote Message

Quote message has the data_type as quote and payload contains the token and price

```
{
    "data_type":"quote",
    "payload":{
        "token":140834,
        "price":49.2382232954899
    }
}
```

Server Ping Message

PING message is sent by server every 15 seconds

```
{
    "data_type":"ping",
    "payload":"{}"
}
```

Server Error Message

Error message is sent by server if any error occurs

```
{
    "data_type":"error",
    "payload":"some error message"
}
```