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# iqoptionapi

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Contents:



## iqoptionapi package

### Subpackages

#### iqoptionapi.http package

#### Submodules

#### iqoptionapi.http.appinit module

Module for IQ option appinit http resource.

```
class iqoptionapi.http.appinit.Appinit (api)  
    Bases: iqoptionapi.http.resource.Resource  
    Class for IQ option login resource.  
    Parameters api – The instance of IQOptionAPI.  
    url = 'appinit'
```

#### iqoptionapi.http.auth module

Module for IQ Option http auth resource.

```
class iqoptionapi.http.auth.Auth (api)  
    Bases: iqoptionapi.http.resource.Resource  
    Class for IQ Option http auth resource.  
    Parameters api – The instance of IQOptionAPI.  
    url = 'auth'
```

### iqoptionapi.http.billing module

Module for IQ option billing resource.

```
class iqoptionapi.http.billing.Billing (api)
    Bases: iqoptionapi.http.resource.Resource
    Class for IQ option billing resource.
        Parameters api – The instance of IQOptionAPI.
        url = 'billing'
```

### iqoptionapi.http.buyback module

Module for IQ option buyback resource.

```
class iqoptionapi.http.buyback.Buyback (api)
    Bases: iqoptionapi.http.resource.Resource
    Class for IQ option buyback resource.
        Parameters api – The instance of IQOptionAPI.
        url = 'billing/buyback'
```

### iqoptionapi.http.changebalance module

Module for IQ option changebalance resource.

```
class iqoptionapi.http.changebalance.Changebalance (api)
    Bases: iqoptionapi.http.resource.Resource
    Class for IQ option changebalance resource.
        Parameters api – The instance of IQOptionAPI.
        url = 'profile/changebalance'
```

### iqoptionapi.http.getprofile module

Module for IQ Option http getprofile resource.

```
class iqoptionapi.http.getprofile.Getprofile (api)
    Bases: iqoptionapi.http.resource.Resource
    Class for IQ option getprofile resource.
        Parameters api – The instance of IQOptionAPI.
        url = 'getprofile'
```

### iqoptionapi.http.getregdata module

Module for IQ Option http getregdata resource.



```
class iqoptionapi.http.getregdata.Getprofile(api)
    Bases: iqoptionapi.http.resource.Resource
    Class for IQ option getregdata resource.
        Parameters api – The instance of IQOptionAPI.
        url = 'register/getregdata'
```

### **iqoptionapi.http.login module**

Module for IQ Option http login resource.

```
class iqoptionapi.http.login.Login(api)
    Bases: iqoptionapi.http.resource.Resource
    Class for IQ option login resource.
        Parameters api – The instance of IQOptionAPI.
        url = 'login'
```

### **iqoptionapi.http.loginv2 module**

Module for IQ Option http loginv2 resource.

```
class iqoptionapi.http.loginv2.Loginv2(api)
    Bases: iqoptionapi.http.login.Login
    Class for IQ option loginv2 resource.
        url = 'login/v2'
```

### **iqoptionapi.http.profile module**

Module for IQ option profile resource.

```
class iqoptionapi.http.profile.Profile(api)
    Bases: iqoptionapi.http.resource.Resource
    Class for IQ option profile resource.
        Parameters api – The instance of IQOptionAPI.
        url = 'profile'
```

### **iqoptionapi.http.register module**

Module for IQ option register resource.

```
class iqoptionapi.http.register.Register(api)
    Bases: iqoptionapi.http.resource.Resource
    Class for IQ option register resource.
        Parameters api – The instance of IQOptionAPI.
        url = 'register'
```

### iqoptionapi.http.resource module

Module for base IQ Option http base resource.

**class** `iqoptionapi.http.resource.Resource` (*api*)  
Bases: `object`

Class for base IQ Option API http resource.

**Parameters** *api* – The instance of *IQOptionAPI*.

**send\_http\_request** (*method*, *data=None*, *params=None*, *headers=None*)  
Send http request to IQ Option API.

#### Parameters

- **method** (*str*) – The http request method.
- **data** (*dict*) – (optional) The http request data.
- **params** (*dict*) – (optional) The http request params.
- **headers** (*dict*) – (optional) The http request headers.

**Returns** The instance of `requests.Response`.

### iqoptionapi.http.token module

Module for IQ Option http token resource.

**class** `iqoptionapi.http.token.Token` (*api*)  
Bases: `iqoptionapi.http.resource.Resource`

Class for IQ Option http token resource.

**url** = 'auth/token'

### Module contents

Module for IQ Option API http resources.

### iqoptionapi.ws package

#### Subpackages

#### iqoptionapi.ws.channels package

#### Submodules

### iqoptionapi.ws.channels.base module

Module for base IQ Option base websocket chanel.

**class** `iqoptionapi.ws.channels.base.Base` (*api*)  
Bases: `object`

Class for base IQ Option websocket chanel.

**Parameters** **api** – The instance of *IQOptionAPI*.

**send\_websocket\_request** (*name, msg*)  
Send request to IQ Option server websocket.

**Parameters**

- **name** (*str*) – The websocket channel name.
- **msg** (*dict*) – The websocket channel msg.

**Returns** The instance of *requests.Response*.

### iqoptionapi.ws.channels.buyback module

Module for IQ Option buyback websocket channel.

**class** *iqoptionapi.ws.channels.buyback.Buyback* (*api*)  
Bases: *iqoptionapi.ws.channels.base.Base*

Class for IQ option subscribe to buyback websocket channel.

**Parameters** **api** – The instance of *IQOptionAPI*.

**name** = 'buyback'

### iqoptionapi.ws.channels.buyv2 module

Module for IQ Option buyV2 websocket channel.

**class** *iqoptionapi.ws.channels.buyv2.Buyv2* (*api*)  
Bases: *iqoptionapi.ws.channels.base.Base*

Class for IQ option buy websocket channel.

**Parameters** **api** – The instance of *IQOptionAPI*.

**name** = 'buyV2'

### iqoptionapi.ws.channels.candles module

Module for IQ option candles websocket channel.

**class** *iqoptionapi.ws.channels.candles.GetCandles* (*api*)  
Bases: *iqoptionapi.ws.channels.base.Base*

Class for IQ option candles websocket channel.

**Parameters** **api** – The instance of *IQOptionAPI*.

**name** = 'candles'

### iqoptionapi.ws.channels.setactives module

Module for IQ option setactives websocket channel.

**class** *iqoptionapi.ws.channels.setactives.SetActives* (*api*)  
Bases: *iqoptionapi.ws.channels.base.Base*

Class for IQ option setactives websocket channel.

**Parameters** **api** – The instance of *IQOptionAPI*.  
**name** = 'setActives'

### iqoptionapi.ws.channels.ssid module

Module for IQ option API ssid websocket channel.

**class** `iqoptionapi.ws.channels.ssid.Ssid(api)`  
Bases: *iqoptionapi.ws.channels.base.Base*

Class for IQ option API ssid websocket channel.

**Parameters** **api** – The instance of *IQOptionAPI*.  
**name** = 'ssid'

### iqoptionapi.ws.channels.subscribe module

Module for IQ option subscribe websocket channel.

**class** `iqoptionapi.ws.channels.subscribe.Subscribe(api)`  
Bases: *iqoptionapi.ws.channels.base.Base*

Class for IQ option subscribe websocket channel.

**Parameters** **api** – The instance of *IQOptionAPI*.  
**name** = 'subscribe'

### iqoptionapi.ws.channels.unsubscribe module

Module for IQ option unsubscribe websocket channel.

**class** `iqoptionapi.ws.channels.unsubscribe.Unsubscribe(api)`  
Bases: *iqoptionapi.ws.channels.base.Base*

Class for IQ option unsubscribe websocket channel.

**Parameters** **api** – The instance of *IQOptionAPI*.  
**name** = 'unSubscribe'

## Module contents

Module for IQ Option API websocket channels.

### iqoptionapi.ws.objects package

#### Submodules

### iqoptionapi.ws.objects.base module

Module for IQ Option Base websocket object.

**class** `iqoptionapi.ws.objects.base.Base`

Bases: `object`

Class for IQ Option Base websocket object.

**name**

Property to get websocket object name.

**Returns** The name of websocket object.

## **iqoptionapi.ws.objects.candles module**

Module for IQ Option Candles websocket object.

**class** `iqoptionapi.ws.objects.candles.Candle(candle_data)`

Bases: `object`

Class for IQ Option candle.

**Parameters** `candle_data` – The list of candles data.

**candle\_close**

Property to get candle close value.

**Returns** The candle close value.

**candle\_high**

Property to get candle high value.

**Returns** The candle high value.

**candle\_low**

Property to get candle low value.

**Returns** The candle low value.

**candle\_open**

Property to get candle open value.

**Returns** The candle open value.

**candle\_time**

Property to get candle time.

**Returns** The candle time.

**candle\_type**

Property to get candle type value.

**Returns** The candle type value.

**class** `iqoptionapi.ws.objects.candles.Candles`

Bases: `iqoptionapi.ws.objects.base.Base`

Class for IQ Option Candles websocket object.

**candles\_data**

Property to get candles data.

**Returns** The list of candles data.

**current\_candle**

Method to get current candle.

**Returns** The instance of `Candle`.

### **first\_candle**

Method to get first candle.

**Returns** The instance of *Candle*.

### **second\_candle**

Method to get second candle.

**Returns** The instance of *Candle*.

## **iqoptionapi.ws.objects.profile module**

Module for IQ Option Profile websocket object.

**class** `iqoptionapi.ws.objects.profile.Profile`

Bases: *iqoptionapi.ws.objects.base.Base*

Class for IQ Option Profile websocket object.

### **balance**

Property to get balance value.

**Returns** The balance value.

### **skey**

Property to get skey value.

**Returns** The skey value.

## **iqoptionapi.ws.objects.timesync module**

Module for IQ Option TimeSync websocket object.

**class** `iqoptionapi.ws.objects.timesync.TimeSync`

Bases: *iqoptionapi.ws.objects.base.Base*

Class for IQ Option TimeSync websocket object.

### **expiration\_datetime**

Property to get expiration datetime.

**Returns** The expiration datetime.

### **expiration\_time**

Property to get expiration time.

**Returns** The expiration time.

### **expiration\_timestamp**

Property to get expiration timestamp.

**Returns** The expiration timestamp.

### **server\_datetime**

Property to get server datetime.

**Returns** The server datetime.

### **server\_timestamp**

Property to get server timestamp.

**Returns** The server timestamp.

## Module contents

Module for IQ Option API websocket objects.

## Submodules

### iqoptionapi.ws.client module

Module for IQ option websocket.

**class** `iqoptionapi.ws.client.WebsocketClient` (*api*)

Bases: `object`

Class for work with IQ option websocket.

**Parameters** *api* – The instance of *IQOptionAPI*.

**static** `on_close` (*wss*)

Method to process websocket close.

**static** `on_error` (*wss, error*)

Method to process websocket errors.

**on\_message** (*wss, message*)

Method to process websocket messages.

**static** `on_open` (*wss*)

Method to process websocket open.

## Module contents

Module for IQ Option API websocket.

## Submodules

### iqoptionapi.api module

Module for IQ Option API.

**class** `iqoptionapi.api.IQOptionAPI` (*host, username, password, proxies=None*)

Bases: `object`

Class for communication with IQ Option API.

#### Parameters

- **host** (*str*) – The hostname or ip address of a IQ Option server.
- **username** (*str*) – The username of a IQ Option server.
- **password** (*str*) – The password of a IQ Option server.
- **proxies** (*dict*) – (optional) The http request proxies.

#### appinit

Property for get IQ Option http appinit resource.

**Returns** The instance of *Appinit*.

**auth**  
Property for get IQ Option http auth resource.  
**Returns** The instance of *Auth*.

**billing**  
Property for get IQ Option http billing resource.  
**Returns** The instance of *Billing*.

**buy**  
Property for get IQ Option websocket buyv2 request.  
**Returns** The instance of *Buyv2*.

**buyback**  
Property for get IQ Option http buyback resource.  
**Returns** The instance of *Buyback*.

**candles = <iqoptionapi.ws.objects.candles.Candles object>**

**changebalance**  
Property for get IQ Option http changebalance resource.  
**Returns** The instance of *Changebalance*.

**connect ()**  
Method for connection to IQ Option API.

**getcandles**  
Property for get IQ Option websocket candles channel.  
**Returns** The instance of *GetCandles*.

**getprofile**  
Property for get IQ Option http getprofile resource.  
**Returns** The instance of *Login*.

**login**  
Property for get IQ Option http login resource.  
**Returns** The instance of *Login*.

**loginv2**  
Property for get IQ Option http loginv2 resource.  
**Returns** The instance of *Loginv2*.

**prepare\_http\_url (resource)**  
Construct http url from resource url.  
**Parameters** **resource** – The instance of *Resource*.  
**Returns** The full url to IQ Option http resource.

**profile = <iqoptionapi.ws.objects.profile.Profile object>**

**send\_http\_request (resource, method, data=None, params=None, headers=None)**  
Send http request to IQ Option server.  
**Parameters**

- **resource** – The instance of *Resource*.
- **method** (*str*) – The http request method.



- **data** (*dict*) – (optional) The http request data.
- **params** (*dict*) – (optional) The http request params.
- **headers** (*dict*) – (optional) The http request headers.

**Returns** The instance of `Response`.

**send\_websocket\_request** (*name, msg*)

Send websocket request to IQ Option server.

**Parameters**

- **name** (*str*) – The websocket request name.
- **msg** (*dict*) – The websocket request msg.

**set\_session\_cookies** ()

Method to set session cookies.

**setactives**

Property for get IQ Option websocket setactives chanel.

**Returns** The instance of `SetActive`.

**ssid**

Property for get IQ Option websocket ssid chanel.

**Returns** The instance of `Ssid`.

**subscribe**

Property for get IQ Option websocket subscribe chanel.

**Returns** The instance of `Subscribe`.

**timesync** = <iqoptionapi.ws.objects.timesync.TimeSync object>

**token**

Property for get IQ Option http token resource.

**Returns** The instance of `Token`.

**unsubscribe**

Property for get IQ Option websocket unsubscribe chanel.

**Returns** The instance of `Unsubscribe`.

**websocket**

Property to get websocket.

**Returns** The instance of `WebSocket`.

## iqoptionapi.constants module

Module for IQ Option API constants.

## Module contents

A python wrapper for IQ Option API.



## CHAPTER 2

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### Indices and tables

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