



SAXO API Documentation
UPDATED: Mon 4 Dec 02:47

sample usage

[http://169.239.182.12/staging/saxo/api/ws.php?
method=checkLogin&username=dev@digitalpublications.co.za&password=123&deviceId=
123&deviceType=android](http://169.239.182.12/staging/saxo/api/ws.php?method=checkLogin&username=dev@digitalpublications.co.za&password=123&deviceId=123&deviceType=android)

Notes:

In the event of a empty value being send through, please specify null

SAXO App Sign in

The primary focus here is to authenticate a user. The checkLogin method will need to be called when ever a session has expired. Server responses includes SAXO user detail.

checkLogin(username, password, deviceId, deviceType)

username => SAXO app username

password => SAXO app password

deviceId => push notification reg id

deviceType => android or ios

Verifies the identity of a member.

Upon receiving a valid username and password the login method will return additional session information.

```
{
  "Response": [true, {
    "message": "success",
    "user_id": "1", //required for api calls that follow
    "tcs_accepted": "1" //USER SHOULD NOT BE LOGGED IN BEFORE
    AGREEING TO THE TERMS AND CONDITIONS
  }]
}
```

Forgot password and password update

Password resetting involves sending a unique code to the email address of a member. Only the member that is in possession of the passphrase will be able to update their password. The required steps are three fold and outlined below. Passphrase is valid for one day.

newPassphrase(mem_email)

mem_email => member email address

Step one of forgot password.

A random passphrase is emailed to specified members email address. Prompt the user for the passphrase.

```
{
  "Response": [true, {
    "message": "success"
  }]
}
```

checkPassphrase(mem_email, passphrase)

mem_email => member email address

passphrase => passphrase entered by the user

Step two of forgot password.

After collecting a passphrase from the user, call this method to compare it to the passphrase that was emailed to the user.

```
{
  "Response": [true, {
    "message": "valid passphrase"
  }]
}
```

updatePassword(mem_email, password, passphrase)

mem_email => member email address

password => new password

passphrase => passphrase entered by the user

Step three of forgot password.

Password can now be updated.

```
{
  "Response": [true, {
    "message": "success"
  }]
}
```


Member account and account detail, T&Cs

Methods to create and update user account details. Includes a method to update the terms and conditions that follow after the user has registered.

addSAXOUser(name, surname, email, password, contact_num, device_id, device_type)

name => SAXO app user name

surname => SAXO app user surname

email => email address

password => user password (8 characters, 1 uppercase, 1 lowercase, 1 special character)

contact_num => user cellphone number

deviceId => push notification reg id

deviceType => android or ios

Used with SAXO app user registrations.

```
{
  "Response": [true, {
    "message": "success",
    "user_id": "8"
  }]
}
```

addLoginSAXOOtherUser(name, surname, email, contact_num, device_id, device_type, login_type)

name => facebook/google+ user's name if available

surname => facebook/google+ user's surname if available

email => facebook/google+ user's email address

contact_num => facebook/google+ user's cellphone number if available

deviceId => push notification reg id

deviceType => android or ios

login_type => facebook or google

Used with SAXO app user registrations where the user has signed in with either Facebook or google+ to add them to the database. If the user does not exist in the database a new record will be created for them. If the user does however exist nothing is added to the database and instead their user_id will be returned, essentially signing them in. A new random password will be generated and emailed to first time users.

```
{
  "Response": [true, {
    "message": "success",
    "user_id": "8", //user_id for new or previously signed in users
    "tcs_accepted": "0", //new users will have tcs 0, old users who have not
    //previously accepted tcs will also have tcs as 0, show the tcs form when this is 0
  }]
}
```

getSAXOUserDetail(user_id)

user_id => returned by login method

In addition to returning member detail, session detail is also returned.

```
{
  "Response": [true, {
    "detail": {
      "name": "Debbie",
      "surname": "VDW",
      "email": "dev@digitalpublications.co.za",
      "cell": "+2741716392",
      "joined": "2017-11-23 10:25:29",
      "last_login": "2017-11-23 13:50:26",
      "login_device": "android",
      "last_login_type": "saxo app"
    }
  ]
}
```

updateSAXOUser(name, surname, email, contact_num, user_id)

name => SAXO app user name

surname => SAXO app user surname

email => email address

contact_num => user cellphone number

user_id => id returned by the login method, used to identify the user

Used to update SAXO app user's details.

```
{
  "Response": [true, {
    "message": "success"
  ]
}
```

acceptTermsAndConditions(user_id)

user_id => returned by login method

Confirmation from the app indicating that the user has accepted the terms and conditions. This state is saved to the database.

```
{
  "Response": [true, {
    "message": "terms and conditions have been accepted for user Debbie
VDW"
  ]
}
```

}

SAXO App data listing

The list of current Forex values, indices, commodities etc. Data pull request.

getWatchlistItemList()

Used to get the current list of category items *grouped by category*.

```
{
  "Response": [true, {
    "category_listing": [{
      "category_name": "Forex",
      "category_id": "1",
      "watch_list_items": [{
        "item_name": "USDZAR",
        "item_id": "1296",
        "item_value": "13.95244",
        "item_timestamp": "2017-11-24 11:10:12",
        "item_value2": "13.88123",
        "item_timestamp2": "2017-11-24 12:04:59"
      }, {
        "item_name": "GBPZAR",
        "item_id": "5125",
        "item_value": "18571.18",
        "item_timestamp": "2017-11-24 11:10:12",
        "item_value2": "19888.67",
        "item_timestamp2": "2017-11-24 12:04:59"
      }
    ]
  }, {
    "category_name": "Indices",
    "category_id": "2",
    "watch_list_items": [{
      "item_name": "Gold",
      "item_id": "1233",
      "item_value": "17979.28",
      "item_timestamp": "2017-11-24 11:10:12",
      "item_value2": "18179.18",
      "item_timestamp2": "2017-11-24 12:04:59"
    }, {
      "item_name": "Platinum",
      "item_id": "1234",
      "item_value": "12973.94",
      "item_timestamp": "2017-11-24 11:10:12",
      "item_value2": "12797.91",
      "item_timestamp2": "2017-11-24 12:04:59"
    }
  ], {
    "category_name": "Equities",
```



```

"category_id": "3",
"watch_list_items": [{
  "item_name": "Petrol",
  "item_id": "77",
  "item_value": "14.99",
  "item_timestamp": "2017-11-24 11:10:12",
  "item_value2": "18.33",
  "item_timestamp2": "2017-11-24 12:04:59"
}, {
  "item_name": "Diesel",
  "item_id": "88",
  "item_value": "16.33",
  "item_timestamp": "2017-11-24 11:10:12",
  "item_value2": "19.44",
  "item_timestamp2": "2017-11-24 12:04:59"
}]
}, {
"category_name": "Commodities",
"category_id": "4",
"watch_list_items": [{
  "item_name": "Apples",
  "item_id": "1123",
  "item_value": "109.1",
  "item_timestamp": "2017-11-24 11:10:12",
  "item_value2": "118.1",
  "item_timestamp2": "2017-11-24 12:04:59"
}, {
  "item_name": "Oranges",
  "item_id": "1124",
  "item_value": "111.3",
  "item_timestamp": "2017-11-24 11:10:12",
  "item_value2": "110.4",
  "item_timestamp2": "2017-11-24 12:04:59"
}, {
  "item_name": "Banannas",
  "item_id": "1125",
  "item_value": "99.9",
  "item_timestamp": "2017-11-24 11:10:12",
  "item_value2": "99.4",
  "item_timestamp2": "2017-11-24 12:04:59"
}]
}]
}

```

refreshWatchlistItemList(user_id)
user_id => returned by login method

Request a data pull to fetch the latest content.

```

{
  "Response": [true, {
    "category_listing": [{
      "category_name": "Forex",
      "category_id": "1",
      "watch_list_items": [{
        "item_name": "USDZAR",
        "item_id": "1296",
        "item_value": "13.95244",
        "item_timestamp": "2017-11-24 11:10:12",
        "item_value2": "13.88123",
        "item_timestamp2": "2017-11-24 12:04:59"
      }, {
        "item_name": "GBPZAR",
        "item_id": "5125",
        "item_value": "18571.18",
        "item_timestamp": "2017-11-24 11:10:12",
        "item_value2": "19888.67",
        "item_timestamp2": "2017-11-24 12:04:59"
      }
    ]
  }, ... , {
    "category_name": "Commodities",
    "category_id": "4",
    "watch_list_items": [{
      "item_name": "Apples",
      "item_id": "1123",
      "item_value": "109.1",
      "item_timestamp": "2017-11-24 11:10:12",
      "item_value2": "118.1",
      "item_timestamp2": "2017-11-24 12:04:59"
    }, {
      "item_name": "Oranges",
      "item_id": "1124",
      "item_value": "111.3",
      "item_timestamp": "2017-11-24 11:10:12",
      "item_value2": "110.4",
      "item_timestamp2": "2017-11-24 12:04:59"
    }, {
      "item_name": "Banannas",
      "item_id": "1125",
      "item_value": "99.9",
      "item_timestamp": "2017-11-24 11:10:12",
      "item_value2": "99.4",
      "item_timestamp2": "2017-11-24 12:04:59"
    }
  ]
}],
  "user_category_listing": [{
    "item_id": "88",
    "item_name": "Diesel",

```

```
    "category": "Equities",
    "item_value": "16.33",
    "item_timestamp": "2017-11-24 11:10:12",
    "item_value2": "19.44",
    "item_timestamp2": "2017-11-24 12:04:59",
    "item_tab": "1",
    "item_index": "1",
    "receive_push": "1",
    "push_val": "0.1",
    "push_timestamp": null
  }, ... , {
    "item_id": "1123",
    "item_name": "Apples",
    "category": "Commodities",
    "item_value": "109.1",
    "item_timestamp": "2017-11-24 11:10:12",
    "item_value2": "118.1",
    "item_timestamp2": "2017-11-24 12:04:59",
    "item_tab": "1",
    "item_index": "7",
    "receive_push": "0",
    "push_val": "0",
    "push_timestamp": null
  }
}
```

SAXO App preferences

The methods in this section relates to the storage and retrieval of widget items that make up the users preferences.

```
addSAXOUserWatchListItem(user_id, watch_list_item, item_tab, item_index, receive  
push, push_value)
```

user_id => user identifier

watch_list_item => watch list item identifier

item_tab => number 1 to 4 indicating tab position

item_index => number 1 to 12 indicating index number of item on the grid

receive_push => boolean 0 or 1 where the user wants to receive push messages relating to stock increases

push_value => 0.1 or 0.05 when receive_push is 1, 0 when receive_push is 0

Links a watch list item (from the previous section) to a user for viewing purposes. The watch list item will be displayed on the app in a position specified by the user. There are 12 positions available on each page and there are a maximum of 4 pages available on the app. This method is used to update existing entries also. **In the event that the stock item has been added previously for the user it is first deleted. If a watch list item already exists at the specified location the record is updated alternately a new entry is created. The updated watch list is then returned as new_item_list.**

```
{  
  "Response": [true, {  
    "message": "success",  
    "new_item_list": [{  
      "item_id": "88",  
      "item_name": "Diesel",  
      "category": "Equities",  
      "item_value": "16.33",  
      "item_timestamp": "2017-11-24 11:10:12",  
      "item_value2": "19.44",  
      "item_timestamp2": "2017-11-24 12:04:59",  
      "item_tab": "1",  
      "item_index": "1",  
      "receive_push": "1",  
      "push_val": "0.1",  
      "push_timestamp": null  
    }, {  
      "item_id": "5125",  
      "item_name": "GBPZAR",  
      "category": "Forex",  
      "item_value": "18571.18",  
      "item_timestamp": "2017-11-24 11:10:12",  
      "item_value2": "19888.67",  
      "item_timestamp2": "2017-11-24 12:04:59",  
      "item_tab": "1",  
      "item_index": "2",  
    }  
  ]  
}
```

```

    "receive_push": "1",
    "push_val": "0.1",
    "push_timestamp": null
  }, {
    "item_id": "1296",
    "item_name": "USDZAR",
    "category": "Forex",
    "item_value": "13.95244",
    "item_timestamp": "2017-11-24 11:10:12",
    "item_value2": "13.88123",
    "item_timestamp2": "2017-11-24 12:04:59",
    "item_tab": "1",
    "item_index": "3",
    "receive_push": "1",
    "push_val": "0.1",
    "push_timestamp": null
  }, {
    "item_id": "1123",
    "item_name": "Apples",
    "category": "Commodities",
    "item_value": "109.1",
    "item_timestamp": "2017-11-24 11:10:12",
    "item_value2": "118.1",
    "item_timestamp2": "2017-11-24 12:04:59",
    "item_tab": "1",
    "item_index": "7",
    "receive_push": "0",
    "push_val": "0",
    "push_timestamp": null
  }
}

```

getSAXOUserPrefs(user_id)

user_id => user identifier

Fetches a list of watch list items as selected previously by the user for display on the app and widget.

```

{
  "Response": [true, {
    "user_watch_list_items": [{
      "item_id": "88",
      "item_name": "Diesel",
      "category": "Equities",
      "item_value": "16.33", //item will be replaced by newer values
      "item_timestamp": "2017-11-24 11:10:12", //item 1 will always be
      "item_value2": "19.44",
    }
  ]
}

```

```

        "item_timestamp2": "2017-11-24 12:04:59",
        "item_tab": "1", //tab and index number where the item must
                          appear on the app
        "item_index": "1",
        "receive_push": "1", //user can opt to receive push messages
                              relating to watch list item value increases
        "push_val": "0.1",
        "push_timestamp": null
    }, {
        "item_id": "5125",
        "item_name": "GBPZAR",
        "category": "Forex",
        "item_value": "18571.18",
        "item_timestamp": "2017-11-24 11:10:12",
        "item_value2": "19888.67",
        "item_timestamp2": "2017-11-24 12:04:59",
        "item_tab": "1",
        "item_index": "2",
        "receive_push": "1",
        "push_val": "0.1",
        "push_timestamp": null
    }, {
        "item_id": "1296",
        "item_name": "USDZAR",
        "category": "Forex",
        "item_value": "13.95244",
        "item_timestamp": "2017-11-24 11:10:12",
        "item_value2": "13.88123",
        "item_timestamp2": "2017-11-24 12:04:59",
        "item_tab": "1",
        "item_index": "3",
        "receive_push": "1",
        "push_val": "0.1",
        "push_timestamp": null
    }
}

```
