

Download and Setup IBridgePy on Windows

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Objective

After completing this document, you will be able to install and run IBridgePy in your windows system.

Install Anaconda Python

Before installing IBridgePy, you need to install Anaconda Python in your local system. You can install using this [link](#).

Windows 	MacOS 	Linux 
Python 3.7 64-Bit Graphical Installer (466 MB) 32-Bit Graphical Installer (423 MB)	Python 3.7 64-Bit Graphical Installer (442 MB) 64-Bit Command Line Installer (430 MB)	Python 3.7 64-Bit (x86) Installer (522 MB) 64-Bit (Power8 and Power9) Installer (276 MB)
Python 2.7 64-Bit Graphical Installer (413 MB) 32-Bit Graphical Installer (356 MB)	Python 2.7 64-Bit Graphical Installer (637 MB) 64-Bit Command Line Installer (409 MB)	Python 2.7 64-Bit (x86) Installer (477 MB) 64-Bit (Power8 and Power9) Installer (295 MB)

You can see there are two versions: Python 2.7 and Python 3.7. We recommend you to download **Python 3.7**, as going forward Python 2.7 will be deprecated and not supported by IBridgePy. Also, you need to check the specifics of your windows system and accordingly download the 64-bit or 32-bit package.

Download IBridgePy

To download IBridgepy, first, you need to register on the portal [here](#).

Sign Up

[Home](#)
[Download IBridgePy](#)
[login](#)
[logout](#)
[Sign Up](#)
[Reset password](#)
[Christmas Fun!](#)

Sign up

Username: Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.

Email address:

First name:

Last name:

Password:

- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.

Password confirmation: Enter the same password as before, for verification.

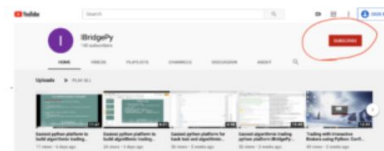
After the successful registration, you will be redirected to this [page](#) where you can login to your account.

[Home](#)
[Download IBridgePy](#)
[login](#)
[logout](#)
[Sign Up](#)
[Reset password](#)
[Christmas Fun!](#)

Welcome to IBridgePy Portal

Our new client portal looks plain but it works!

To watch all tutorials of IBridgePy YouTube channel, please subscribe to this channel and it is FREE.



Go to IBridgePy YouTube Channel and click 

Login

username:

password:

[Forgot my account](#) | [Sign up](#)

Once you logged in, you will be redirected to this [page](#) where there are options to download IBridgePy. You need to scroll down to see the options. You need to choose the IBridgePy version based on your operating system and Python version. For example, if you have Python 3.7 64-bit installed in your system, you need to install **IBridgePy Python 3.7**.

For windows users with Anaconda Python 3.7

```
>>> IBridgePy_Windows_Anaconda_Python_3.7 <<<
```

Note: If there is a mismatch in Python and IBridgePy versions, then IBridgePy won't work.

3. Unzip IBridgePy Package

After downloading, unzip IBridgePy in your local folder.

Select a Destination and Extract Files

Files will be extracted to this folder:

C:\Users\Vibhu\Downloads\IBridgePy_Win_Anaconda37_64

Browse...

☒ Show extracted files when complete

Extract

Cancel

Download IB TradeStation (TWS)

Visit this [link](#) to download IB TradeStation.

TWS Latest for Windows

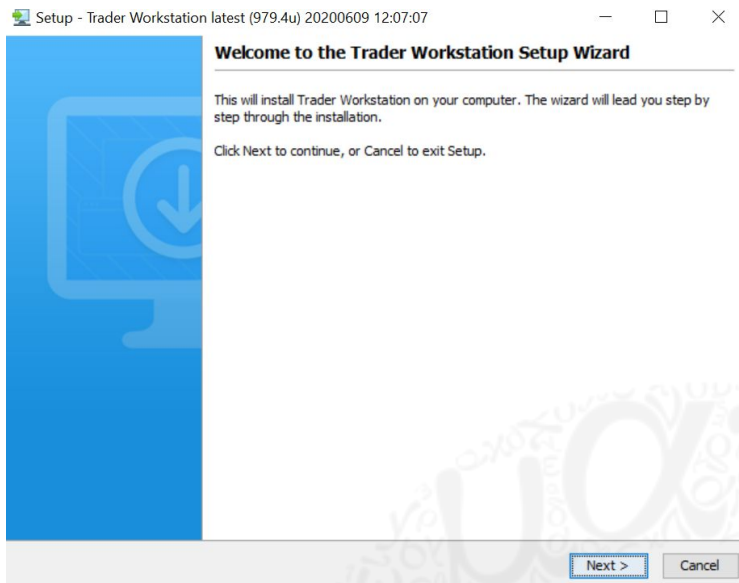
Download ↓

Windows: 64 bit | File Size: 4MB | Version
979.4u | [Release Notes](#)

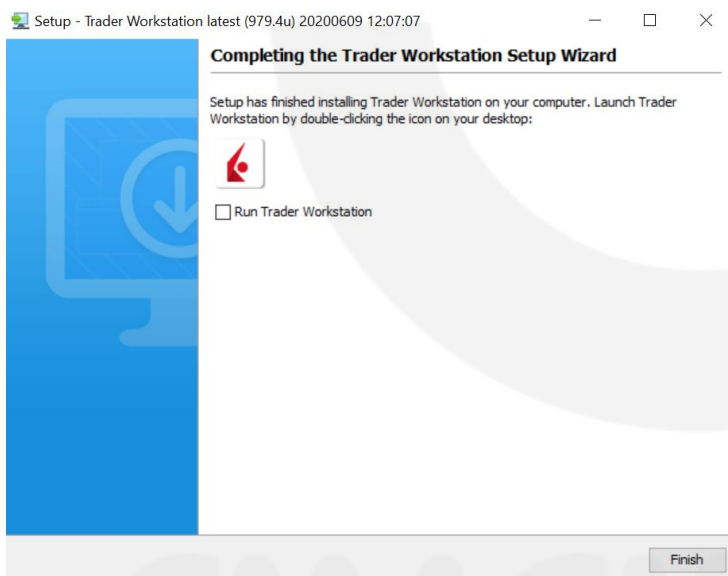
When you click the "Download" button you will see a tab in the bottom left corner of your browser.



Once you click on the tws...exe download button, a new tab will appear.



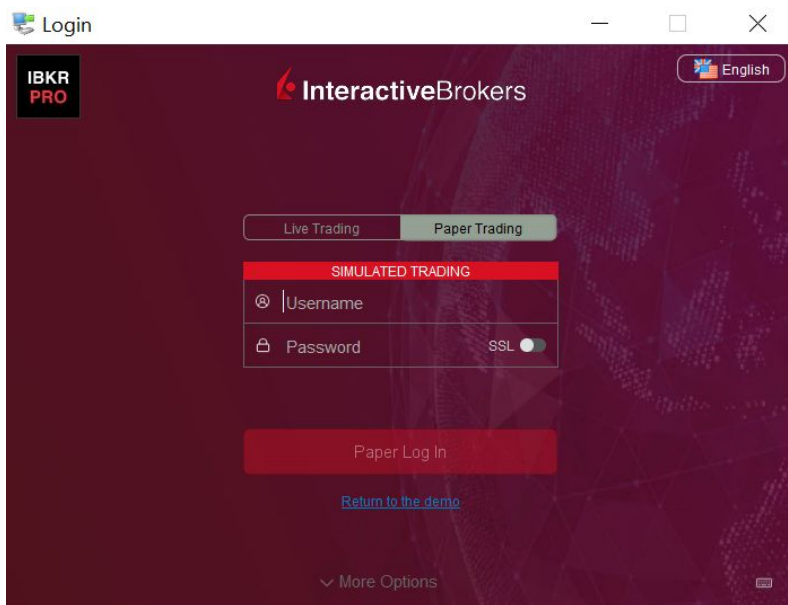
Click the "Next" button on the Setup Wizard to install TWS. Once the installation is complete, a new tab will open.



Click the "Finish" button. A TWS icon is installed on your desktop.



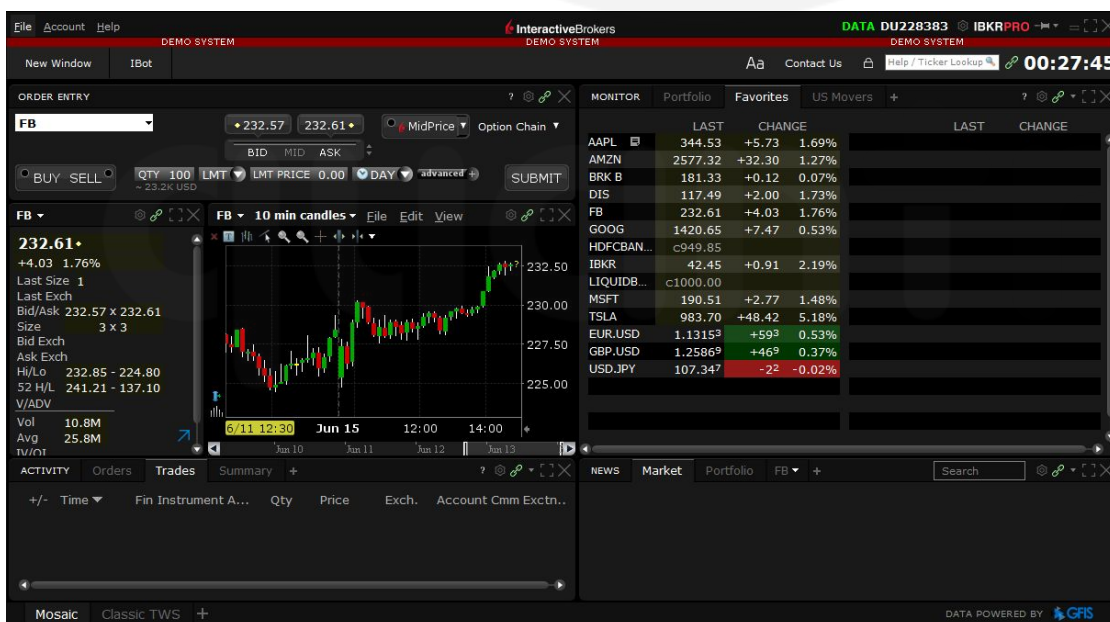
Find the TWS icon on your desktop and double-click to launch the Login box.



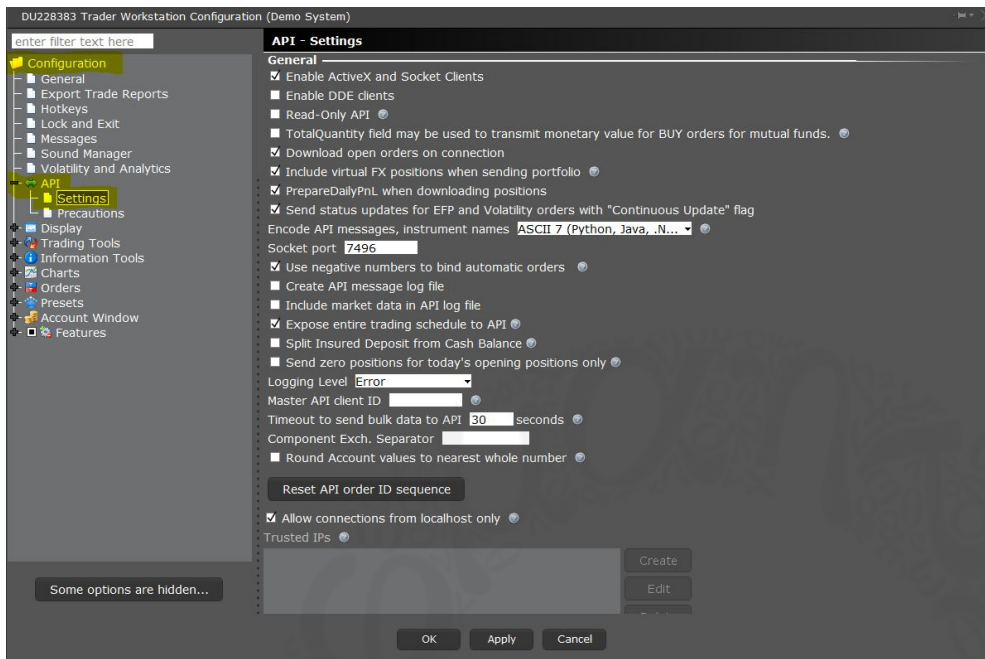
Enter your 'Username' and 'Password' for simulated/paper trading and click on Paper Log In. If you want to proceed with a demo account, click on the 'Return to the demo' and enter your Username. You can also choose live trading, but if you are doing it for the first time, we recommend doing paper trading first.

Configure IB TradeStation (TWS)

To connect IBridgePy with IB TWS, you need to configure IB TWS. Click on the 'File' at top left corner and then click on the 'Global Configuration'.



In the Global Configuration, click on the 'API' then click on 'Setting' and make the following changes.



1. Uncheck Read-Only API
2. Check Enable ActiveX and Socket Clients
3. Change the socket port number to 7496
4. Click 'OK' to accept changes

Note: If you are using paper trading, change the socket port number to 7497

Open and Edit Run_ME.py File in Spyder IDE

The last step to connect your Python strategy with IB TWS through IBridgePy is to run RUN_ME.py. RUN_ME.py is a file within the IBridgePy folder.

BasicPyLib	File folder
broker_client_factory	File folder
broker_service_factory	File folder
Config	File folder
data_provider_factory	File folder
IBridgePy	File folder
Input	File folder
Log	File folder
market_calendar_factory	File folder
models	File folder
Output	File folder
Strategies	File folder
configuration	PY File
<input checked="" type="checkbox"/> RUN_ME	PY File
RUN_ME_at_Robinhood	PY File
RUN_ME_at_TDAmeritrade	PY File
RUN_ME_multi_account	PY File
settings	PY File
TEST_ME	PY File

Open RUN_ME.py in Spyder.

```

RUN_ME.py*
6 Nothing in this computer program/code is intended to be a recommendation, explicitly or implicitly,
7 solicitation to buy or sell any stocks or futures or options or any securities/financial instruments.
8 All information and computer programs provided here is for education and
9 entertainment purpose only; accuracy and thoroughness cannot be guaranteed.
10 Readers/users are solely responsible for how to use these information and
11 are solely responsible any consequences of using these information.
12
13 If you have any questions, please send email to IBridgePy@gmail.com
14 All rights reserved.
15 """
16 from configuration import run_me
17
18 fileName = ''
19 # fileName = 'example_get_historical_data.py'
20 # fileName = 'example_show_real_time_prices.py'
21 # fileName = 'example_place_order.py'
22 # fileName = 'example_get_contract_details.py'
23 # fileName = 'example_get_option_greeks.py'
24 # fileName = 'example_security_screener.py'
25
26 # !!!!! IMPORTANT !!!!!!!!!!!!!!!!!!!!!
27 accountCode = '|' # You need to change it to your own IB account number
28 # !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
29
30 '''
31 In the default mode, handle_data will be called every second.
32 To run Quantopian algorithms, handle_data will be called every minute
33 Please use the following runMode
34 '''
35 # runMode = 'RUN_LIKE_QUANTOPIAN'
36
37 run_me(fileName, globals())

```

In RUNME.py file, you need to enter things:

1. **fileName:** In the file name, enter the name of the .py file you want to run along with its extension.
For example, if you want to run moving_average_crossover.py file which is available in the 'Strategies' folder of IBridgePy. First, open moving_average_crossover.py file in the Spyder and run. In Spyder, you can press 'F5' or the green triangle at the top to run a Python script.


```

1 # -*- coding: utf-8 -*-
2
3 """
4 There is a risk of loss when trading stocks, futures, forex, options and other
5 financial instruments. Please trade with capital you can afford to
6 lose. Past performance is not necessarily indicative of future results.
7 Nothing in this computer program/code is intended to be a recommendation, explicitly or implicitly,
8 solicitation to buy or sell any stocks or futures or options or any securities/financial instruments.
9 All information and computer programs provided here is for education and
10 entertainment purpose only; accuracy and thoroughness cannot be guaranteed.
11 Readers/users are solely responsible for how to use these information and
12 are solely responsible any consequences of using these information.
13
14 If you have any questions, please send email to IBridgePy@gmail.com
15 All rights reserved.
16 """
17
18
19 def initialize(context):
20     context.run_once = False # To show if the handle_data has been run in a day
21     context.security = symbol('SPY') # Define a security for the following part
22
23 # Refer to this Wiki page about Moving average crossover strategy
24 # https://en.wikipedia.org/wiki/Moving_average_crossover
25 def handle_data(context, data):
26     # sTime is the IB server time.
27     # get_datetime() is the build-in function to obtain IB server time
28     sTime = get_datetime('US/Eastern')
29
30     if sTime.weekday() <= 4: # Only trade from Mondays to Fridays
31

```

If there is no error in the file, open RUN_ME.py file, enter moving_average_crossover.py in the 'fileName'.

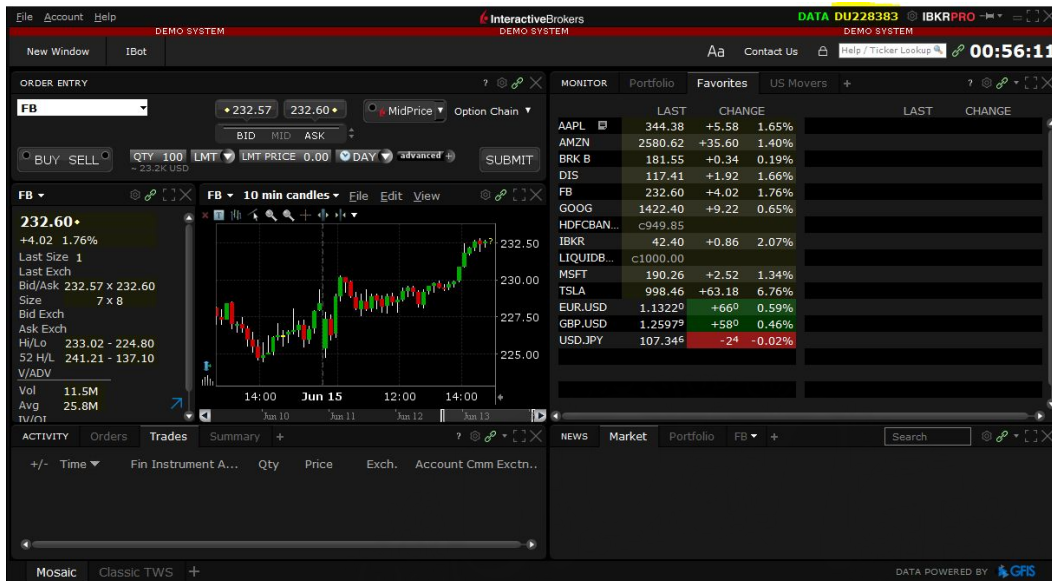
```

6 Nothing in this computer program/code is intended to be a recommendation, explicitly or implicitly,
7 solicitation to buy or sell any stocks or futures or options or any securities/financial instruments.
8 All information and computer programs provided here is for education and
9 entertainment purpose only; accuracy and thoroughness cannot be guaranteed.
10 Readers/users are solely responsible for how to use these information and
11 are solely responsible any consequences of using these information.
12
13 If you have any questions, please send email to IBridgePy@gmail.com
14 All rights reserved.
15 """
16 from configuration import run_me
17
18 fileName = 'moving_average_crossover.py'
19 # fileName = 'example_get_historical_data.py'
20 # fileName = 'example_show_real_time_prices.py'
21 # fileName = 'example_place_order.py'
22 # fileName = 'example_get_contract_details.py'
23 # fileName = 'example_get_option_greeks.py'
24 # fileName = 'example_security_screener.py'
25
26 # !!!!! IMPORTANT !!!!!!!!!!!!!!!
27 accountCode = '' # You need to change it to your own IB account number
28 # !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
29
30 '''
31 In the default mode, handle_data will be called every second.
32 To run Quantopian algorithms, handle_data will be called every minute
33 Please use the following runMode
34 '''
35 # runMode = 'RUN_LIKE_QUANTOPIAN'
36
37 run_me(fileName, globals())

```

Note: All .py files that you want to run should be saved in the 'Strategies' folder of IBridgePy.

2. **accountCode:** accountCode is the IB account code that you can find at the right corner (besides DATA) of IB TWS. This needs to be updated in the RUN_ME.py file.



```

RUN_ME.py*  moving_average_crossover.py
6 Nothing in this computer program/code is intended to be a recommendation, explicitly or implicitl
7 solicitation to buy or sell any stocks or futures or options or any securities/financial instrume
8 All information and computer programs provided here is for education and
9 entertainment purpose only; accuracy and thoroughness cannot be guaranteed.
10 Readers/users are solely responsible for how to use these information and
11 are solely responsible any consequences of using these information.
12
13 If you have any questions, please send email to IBridgePy@gmail.com
14 All rights reserved.
15 """
16 from configuration import run_me
17 |
18 fileName = 'moving_average_crossover.py'
19 # fileName = 'example_get_historical_data.py'
20 # fileName = 'example_show_real_time_prices.py'
21 # fileName = 'example_place_order.py'
22 # fileName = 'example_get_contract_details.py'
23 # fileName = 'example_get_option_greeks.py'
24 # fileName = 'example_security_screener.py'
25
26 # !!!!! IMPORTANT !!!!!!!!!!!!!!!
27 accountCode = 'DU228383' # You need to change it to your own IB account number
28 # !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
29
30 '''
31 In the default mode, handle_data will be called every second.
32 To run Quantopian algorithms, handle_data will be called every minute
33 Please use the following runMode
34 '''
35 # runMode = 'RUN_LIKE_QUANTOPIAN'
36
37 run_me(fileName, globals())

```

After entering fileName and accountCode in RUN_ME.py file, run the file.

Video Guide to Set up IBridgePy on [Windows](#).

Video Guide to Set up IBridgePy on [Mac](#).

Troubleshooting

1. Read the FAQs which is the next unit
2. For more FAQs visit: <https://ibridgepy.com/learn-quant-skills-2/>
3. If still not resolved, post on the Qantra community with full error stack trace, Python version, OS detail and IBridgepy version.