

i T R A D I N G

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1 Download Interactive Broker TWS

Link:

<https://www.interactivebrokers.com/en/index.php?f=1604>



TWS for Mac

[DOWNLOAD ↓](#)

Mac OS X 64 bit | File Size: 4MB | Version 9522 | [Release Notes](#)

Step One: Click the Download button to begin installing TWS.
Step Two: When the installation is complete, click the TWS icon on your desktop to log in.

Need Help? [View Installation Instructions](#)

If you've forgotten your login credentials, please contact [Customer Service](#).

[Download for Other Operating Systems](#)

This broker software is mandatory to iTading.

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2 Execute TWS



1. Change the Trading Mode to “Paper Trading”
2. Then click on “Try the demo” on the right side.
3. Login

If you want to create a new IB Account see section 2.1.

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2.1 New Interactive Broker Account

Link:

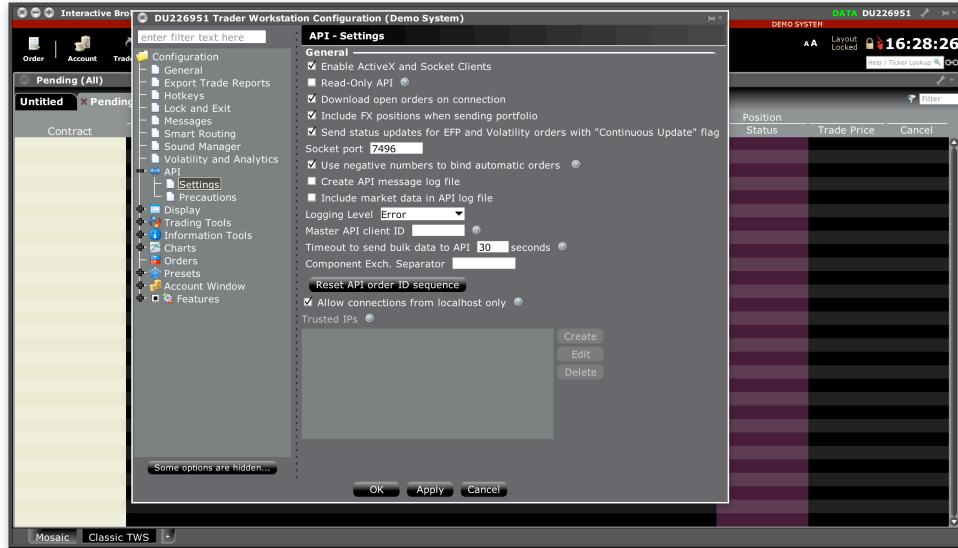
<https://gdcdyn.interactivebrokers.com/Universal/servlet/Application.ApplicationSelector>

The screenshot shows the Interactive Brokers registration form. At the top, there's a logo and the text "Interactive Brokers". Below that, a section titled "Email Address" contains a field labeled "Email Address" with the placeholder "Algorithmic Trading" and the URL "https://www.reddit.com/r/algotrading/". Below this is a section titled "Register Your Username" with three fields: "Username", "Password", and "Confirm Password", all marked as "Required". To the right of the "Username" field is a yellow box containing "Username Requirements": "Lower case only, no spaces, no special characters", "Begin with a letter", "Contain a minimum of 3 letters and 3 numbers", and "Length of 8 or 9 characters". On the far right, there's a sidebar with a "Call Us" section (Monday - Friday, 00800-42-276537, +41-41-726-9500) and a language selection section with links for English, Français, Deutsch, Español, Русский, Italiano, 简体中文, 繁體中文, and 日本語.

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3 Configure TWS

Configure > API > Settings



Apply the following configuration.

API - Settings

General —

Enable ActiveX and Socket Clients
 Read-Only API ?
 Download open orders on connection
 Include FX positions when sending portfolio
 Send status updates for EFP and Volatility orders with "Continuous Update" flag

Socket port
 Use negative numbers to bind automatic orders ?
 Create API message log file
 Include market data in API log file

Logging Level

Master API client ID ?

Timeout to send bulk data to API seconds ?

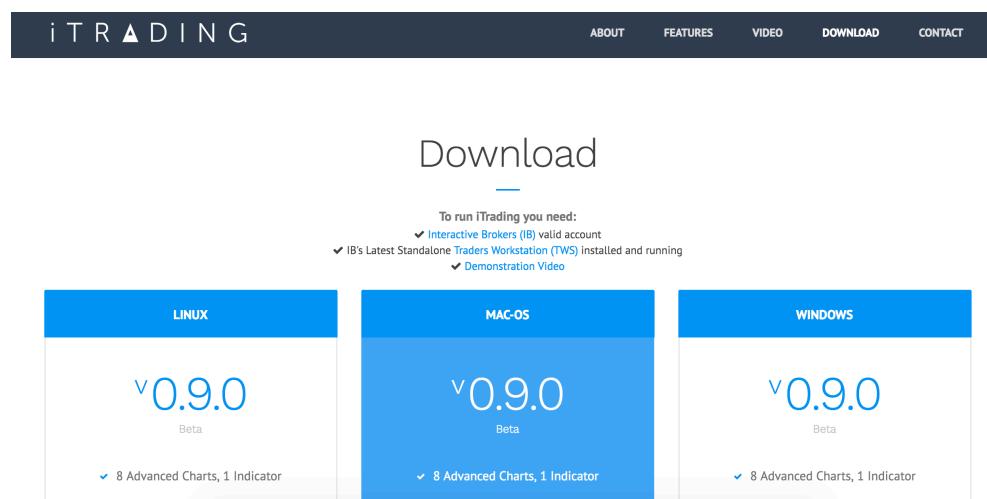
Component Exch. Separator

Allow connections from localhost only ?

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4 Download iTading

Link: <http://joelpinheiro.github.io/itrading>

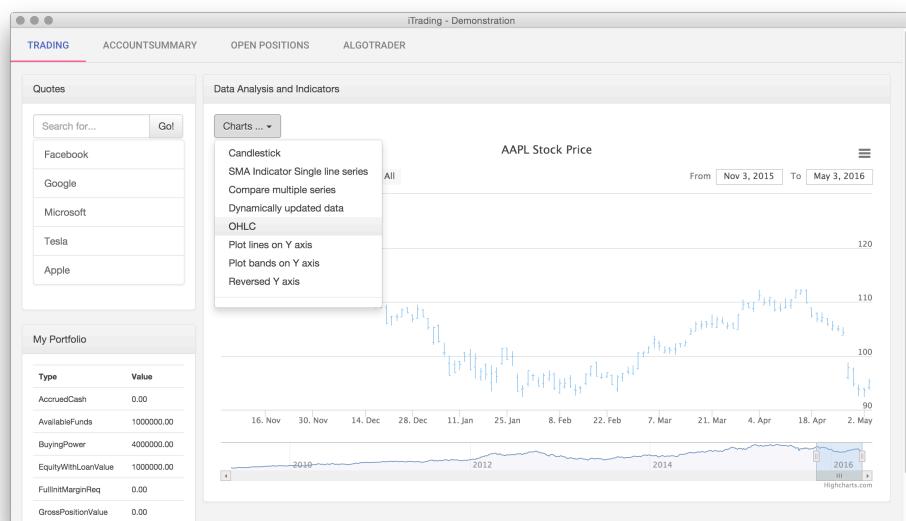


Download your corresponding iTading version.

i T R A D I N G

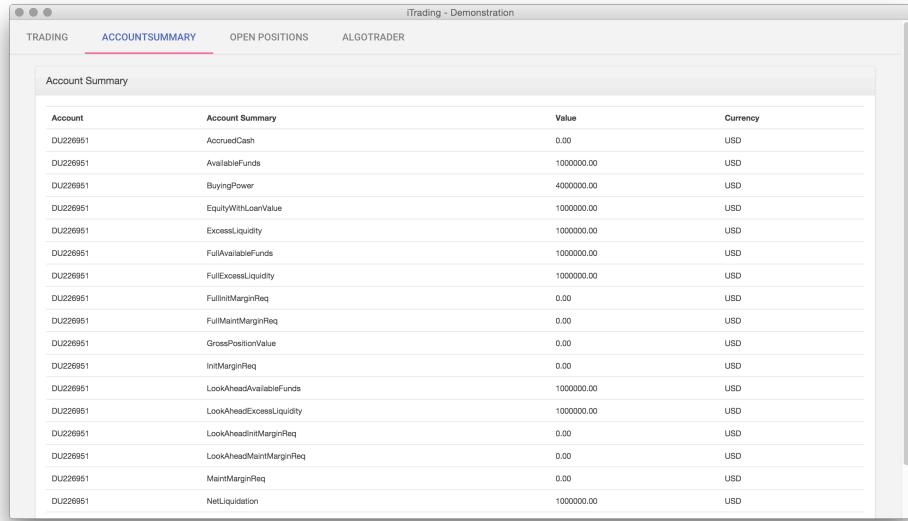
5 Use cases

5.1 Browse and interact with charts/indicators



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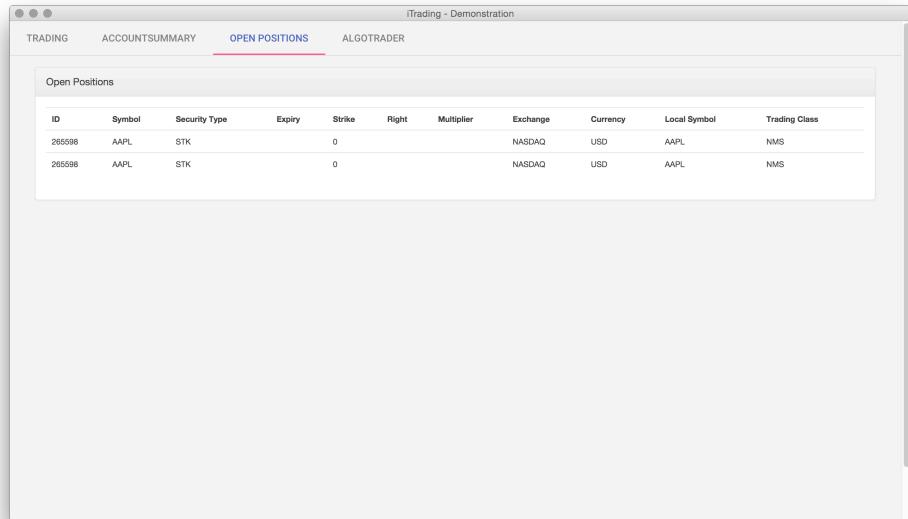
5.2 Browse the Account Summary



The screenshot shows the iTrading software interface with the title bar "iTrading - Demonstration". Below the title bar, there are four tabs: TRADING, ACCOUNTSUMMARY (which is highlighted with a red underline), OPEN POSITIONS, and ALGOTRADER. The main content area is titled "Account Summary". It contains a table with columns: Account, Account Summary, Value, and Currency. The table lists various account metrics for account ID DU226951, all in USD:

Account	Account Summary	Value	Currency
DU226951	AccruedCash	0.00	USD
DU226951	AvailableFunds	1000000.00	USD
DU226951	BuyingPower	4000000.00	USD
DU226951	EquityWithLoanValue	1000000.00	USD
DU226951	ExcessLiquidity	1000000.00	USD
DU226951	FullAvailableFunds	1000000.00	USD
DU226951	FullExcessLiquidity	1000000.00	USD
DU226951	FullInitMarginReq	0.00	USD
DU226951	FullMainMarginReq	0.00	USD
DU226951	GrossPositionValue	0.00	USD
DU226951	InitMarginReq	0.00	USD
DU226951	LookAheadAvailableFunds	1000000.00	USD
DU226951	LookAheadExcessLiquidity	1000000.00	USD
DU226951	LookAheadInitMarginReq	0.00	USD
DU226951	LookAheadMainMarginReq	0.00	USD
DU226951	MaintMarginReq	0.00	USD
DU226951	NetLiquidation	1000000.00	USD

5.3 Browse Open Positions



The screenshot shows the iTrading software interface with the title bar "iTrading - Demonstration". Below the title bar, there are four tabs: TRADING, ACCOUNTSUMMARY, OPEN POSITIONS (which is highlighted with a red underline), and ALGOTRADER. The main content area is titled "Open Positions". It contains a table with columns: ID, Symbol, Security Type, Expiry, Strike, Right, Multiplier, Exchange, Currency, Local Symbol, and Trading Class. There are two entries for symbol AAPL:

ID	Symbol	Security Type	Expiry	Strike	Right	Multiplier	Exchange	Currency	Local Symbol	Trading Class
265598	AAPL	STK		0			NASDAQ	USD	AAPL	NMS
265598	AAPL	STK		0			NASDAQ	USD	AAPL	NMS

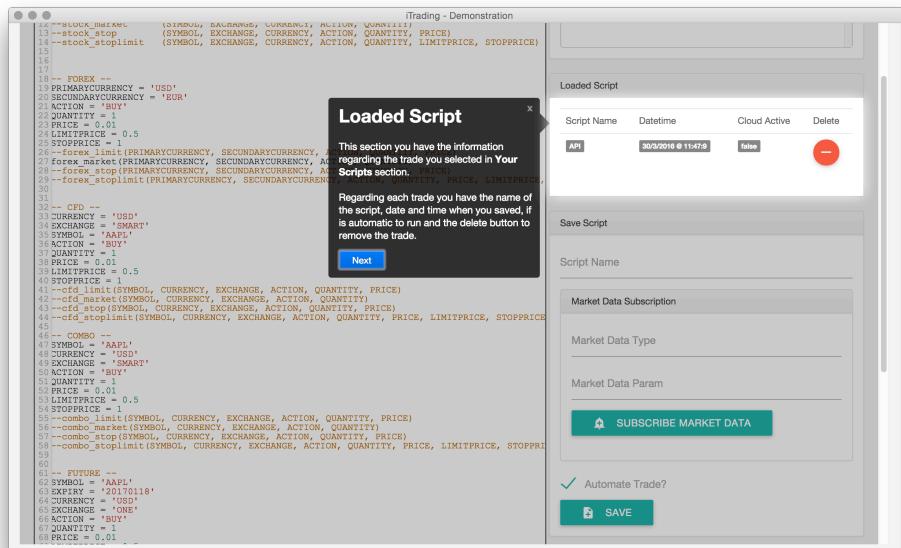
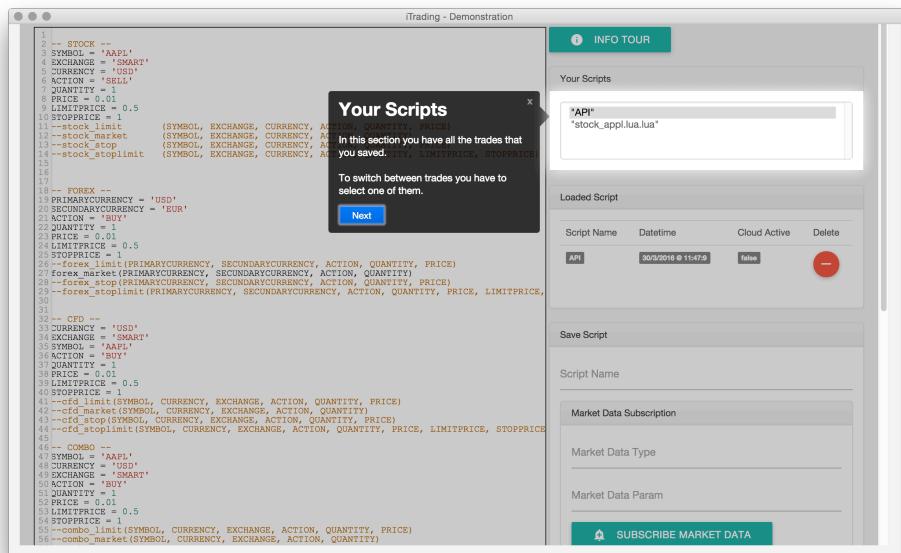
iTRADING

5.4 Algorithmic Trading

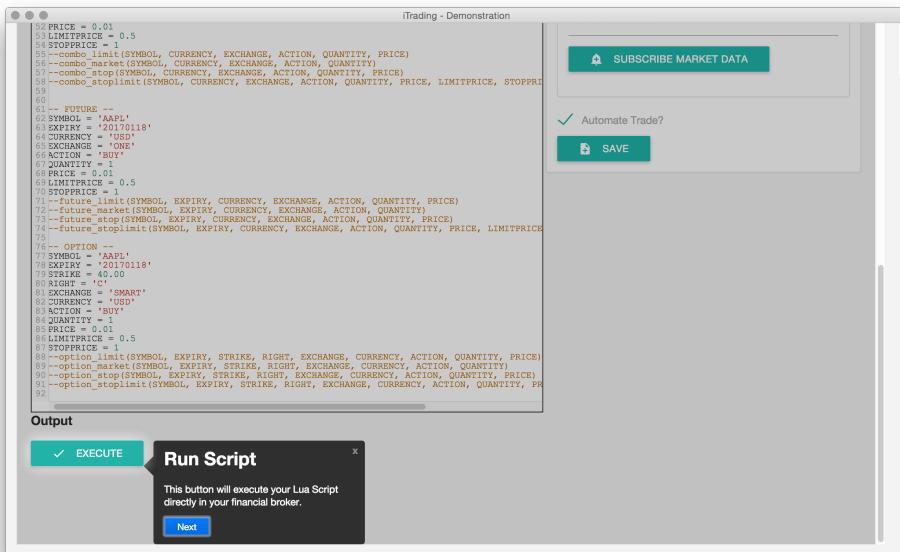
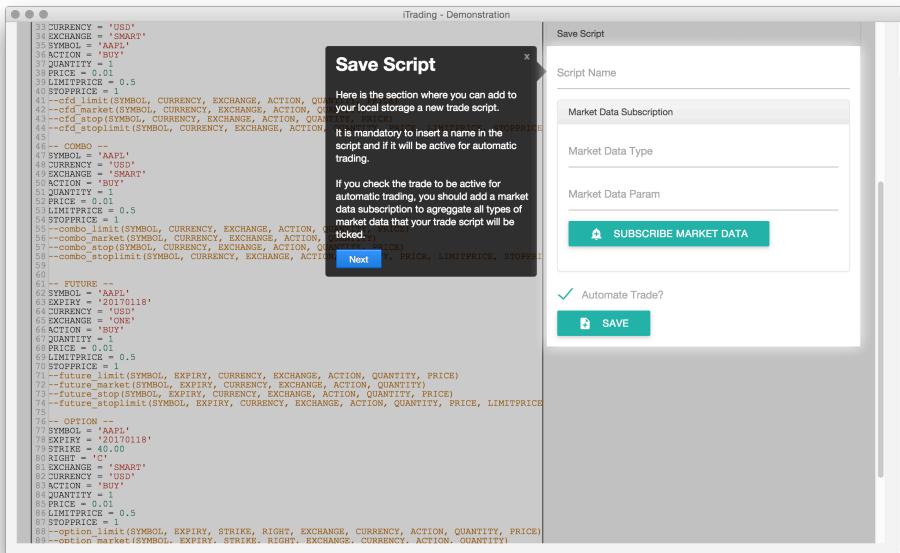
```
1 -- STOCK
2 SYMBOL = 'AAPL'
3 EXCHANGE = 'SMART'
4 CURRENCY = 'USD'
5 ACTION = 'SELL'
6 QUANTITY = 1
7 PRICE = 0.01
8 LIMITPRICE = 0.5
9
10 COMBO = 1
11 stock_limit (SYMBOL, EXCHANGE, CURRENCY, ACTION, QUANTITY, PRICE)
12 --stock_market (SYMBOL, EXCHANGE, CURRENCY, ACTION, QUANTITY)
13 --stock_stop (SYMBOL, EXCHANGE, CURRENCY, ACTION, QUANTITY, PRICE)
14 --stock_stoplimit (SYMBOL, EXCHANGE, CURRENCY, ACTION, QUANTITY, LIMITPRICE, STOPPRICE)
15
16
17 -- FOREX --
18 PRIMARYCURRENCY = 'USD'
19 SECUNDARYCURRENCY = 'EUR'
20 QUANTITY = 1
21 PRICE = 0.01
22 QUANTITY = 1
23 PRICE = 0.01
24 QUANTITY = 0.5
25 STOPPRICE = 1
26 --forex_limit(PRIMARYCURRENCY, SECUNDARYCURRENCY, ACTION, QUANTITY, PRICE)
27 --forex_stop(PRIMARYCURRENCY, SECUNDARYCURRENCY, ACTION, QUANTITY)
28 --forex_stoplimit(PRIMARYCURRENCY, SECUNDARYCURRENCY, ACTION, QUANTITY, PRICE)
29 --forex_stoplimit(PRIMARYCURRENCY, SECUNDARYCURRENCY, ACTION, QUANTITY, PRICE, LIMITPRICE)
30
31
32 -- CFD --
33 CURRENCY = 'USD'
34 EXCHANGE = 'SMART'
35 SYMBOL = 'AAPL'
36 ACTION = 'BUY'
37 QUANTITY = 1
38 PRICE = 0.5
39 LIMITPRICE = 0.5
40 STOPPRICE = 1
41 --cfld_market(SYMBOL, CURRENCY, EXCHANGE, ACTION, QUANTITY, PRICE)
42 --cfld_stop(SYMBOL, CURRENCY, EXCHANGE, ACTION, QUANTITY, PRICE)
43 --cfld_stoplimit(SYMBOL, CURRENCY, EXCHANGE, ACTION, QUANTITY, PRICE, LIMITPRICE, STOPPRICE)
44
45 COMBO =
46 SYMBOL = 'AAPL'
47 CURRENCY = 'USD'
48 EXCHANGE = 'SMART'
49 ACTION = 'BUY'
50 QUANTITY = 1
```

Click on “INFO TOUR” to have a guided tour on AlgoTrading functionalities.

i TRADING



i TRADING



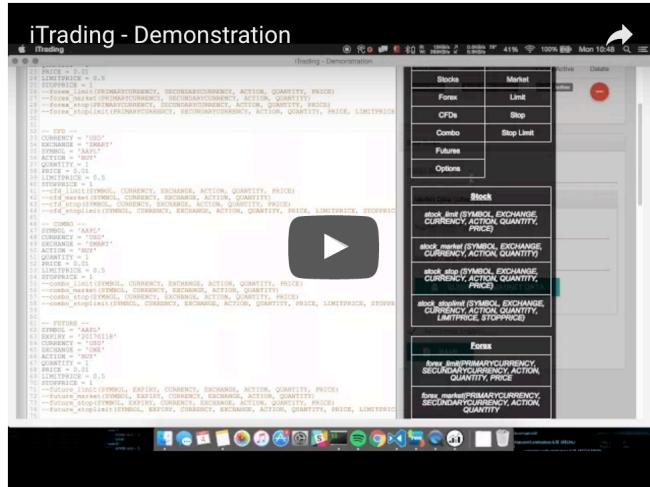
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6 Questionary

Link:

https://docs.google.com/forms/d/1WKjgGOCwYRYKfQSYdWNIPy7N8flnCxgHeR3GoeWACvg/viewform?edit_requested=true

Context of Use



What do you do for a living?

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7 Issues

Link: <https://github.com/joelpinheiro/itradings/issues>

