

Automating Your Experience

Interactive Brokers provides solutions for clients who are looking to automate any part of the trading or account management process. We use industry standard protocols where available, and we support a wide array of programming languages.

IB API

- IB's proprietary, open source API enables you to build your own trading application in your preferred programming language.
- Connect your custom application to TWS to also take advantage of our advanced trading tools, or connect through IB Gateway for a seamless experience with minimal interface and minimal overhead.
- Currently available in the following programming languages: C++, Java, C#, Python, Excel (via DDE and ActiveX plugins).
- No commission minimums required for set up or usage.

FIX CTCI

- IB's FIX CTCI solution lets you create your own trading system that takes advantage of IB's high-speed order routing and broad market depth.
- FIX CTCI users can choose to connect via the internet (using the IB Gateway Client), VPN, extranet provider, a dedicated or leased line or by Equinix cross-connect.
- Clients who wish to use FIX will need to pass certification testing with our Client Integration team to ensure proper handling of all message types.
- Commission minimums apply; both account data and market data are not provided over FIX.

REST Web API

- Our RESTful Web API allows third-party software providers to connect their end users to their accounts at IB, and authorize those accounts for trading via the third-party software.
- Account data, snapshot market data, execution reports and trading are available via our Web API.
- IB clients authorize third-party access using the industry-standard OAuth security protocol. In addition, clients can specify read-only access to third parties for additional security.
- Third parties who wish to use this API must register, and are subject to compliance approval as this API provides access to accounts that are not owned by the software provider.

Electronic Client Application

- Registered Advisors and Introducing Brokers can use our Electronic Client Application (ECA) capabilities to upload account registration and configuration data to automate the account opening process for their clients.
- Advisors and Brokers can deliver this information to IB in an encrypted XML file uploaded via FTP.

Other Specialized APIs

WT Web API

Introducing brokers can add market data and chart data to their own custom-branded trading applications using our WT Web API. This web-based interface supports:

- User authentication
- Market data
- Charting

Introducing brokers who intend to use this API must have white branding enabled and valid domains registered with IB.

Mobile API

IB provides software that allows third parties to develop mobile applications which can access data and trade using IB accounts. These apps use the familiar desktop API and run alongside our IB TWS mobile application.

All authentication and order placement is handled via the IB TWS mobile app to ensure accounts stay secured behind IB's security protocols. After authenticating, the app is granted a read-only token to access account and market data.

File-based Funds and Banking

IB is able to accept instructions via file-based delivery for certain transaction types, including

- Wire deposits and withdrawals
- Internal cash transfers between IB accounts
- External position transfer
- Applying client fee templates
- Re-opening accounts

IB clients who wish to send instructions to us in this way will need to set up data delivery, and also create and exchange secure cryptographic keys with IB so we can ensure the validity of the data.

More Information

IB API, FIX CTCI, WT Web API
ibkr.com/api

REST Web API
ibkr.com/webtradingapi

Mobile API
opensource@ibkr.com

ECA
salesengineering@ibkr.com

Solutions Comparison Matrix

	IB API	REST Web API	FIX CTCTI	Mobile API	WT Web API	Electronic Client App	File-Based Funds and Banking
Place Trades	●	●	●	●	○	○	○
View Positions	●	●	○	●	○	○	○
View Orders and Executions	●	●	●	●	○	○	○
Market Data - Snapshots	●	●	○	●	○	○	○
Market Data - Streaming	●	○	○	●	●	○	○
Market Data - Historical	●	○	○	●	●	○	○
News	●	○	○	●	○	○	○
Account List	●	●	○	●	●	○	○
Account Data	●	●	○	●	○	○	○
User Authentication	●	●	○	●	●	○	○
Security Definition	●	●	○	●	○	○	○
Real-Time Drop Copy	○	○	●	○	○	○	○
Aggregate User Support	○	○	●	○	○	○	○
Open an Account	○	○	○	○	○	●	○
Information Change	○	○	○	○	○	●	○
Document Submission	○	○	○	○	○	●	○
Re-Open an Account	○	○	○	○	○	○	●
Cash Transfers between IB Accounts	○	○	○	○	○	○	●
Position Transfers to IB	○	○	○	○	○	○	●
Position Transfers out of IB	○	○	○	○	○	○	●
Withdrawals	○	○	○	○	○	○	●
Apply Fee Templates	○	○	○	○	○	○	●
Create Banking Instructions (for non-disclosed clients)	○	○	○	○	○	○	●

More Information

IB API, FIX CTCTI, WT Web API
ibkr.com/api

REST Web API
ibkr.com/webtradingapi

Mobile API
opensource@ibkr.com

ECA
salesengineering@ibkr.com

