InteractiveBrokers

Automating
Your Experience

Interactive Brokers provides solutions
for clients who are looking to automate
any part of the trading or account
managment 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.

Client Portal Web API

- Simple integration lets you access account and sub-account data plus charts, news, FYI messages and more, using RESTful API.

- Requires no special libraries to integrate with your application.

- Uses a light, headless gateway to connect with your application.*

- Provides access to key IB services, including PortfolioAnalyst, Statements, FYI Messages, Transaction History (up to 90 days) plus real-time subscriptions over websockets to market data, account P&L and order status updates.

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.

- Neither account data nor market data are provided over FIX.

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.

*Clients using a leased line do not need to use the gateway to access data

Other Specialized APIs

Third-Party Web API

Our RESTful Web API allows third-party software providers to connect their end users to their IBKR accounts, and authorize those accounts for trading via the third-party software.

- Access to account data, snapshot market data, execution reports and trading.

- 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. OAuth is also available for mobile clients.

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.

WT Web API

Allows Introducing Brokers to add market data and chart data to their own custom-branded trading applications. This web-based interface supports:

- User authentication
- Market data
- Charting

Users must have white-branding enabled and have valid domains registered with IB.

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 transfers
- 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 create and exchange secure cryptographic keys with IB so we can ensure the validity of the data.

Solutions Comparison Matrix

	IB API	CP Web API	FIX CTCI	Third-Party Web API	WT Web API	Electronic Client Application	File-Based Funds and Banking
Place Orders	●	●	●	●	○	○	○
View Positions	●	●	○	●	○	○	○
View Orders and Trades	●	●	●	●	○	○	○
Snapshot Market Data	●	●	○	●	○	○	○
Streaming Market Data	●	●	○	○	●	○	○
Historical Market Data	●	●	○	○	●	○	○
News	●	●	○	○	○	○	○
Account List	●	●	○	●	●	○	○
Account Data	●	●	○	●	○	○	○
User Authentication	●	●	○	●	●	○	○
Security Definitio	●	●	○	●	○	○	○
Real-Time Drop Copy	○	○	●	○	○	○	○
Aggregate User Support	○	○	●	○	○	○	○
Open an Account	○	○	○	○	○	●	○
Information Change	○	○	○	○	○	●	○
Document Submission	○	○	○	○	○	●	○
Re-Open an Account	○	○	○	○	○	○	●
Transfer cash between IBKR Accounts	○	○	○	○	○	○	●
Transfer Positions in to IBKR Account	○	○	○	○	○	○	●
Transfer Positions out of IBKR Account	○	○	○	○	○	○	●
Withdraw Funds	○	○	○	○	○	○	●
Apply Fee Templates	○	○	○	○	○	○	●
Create Banking Instructions (for non-disclosed clients)	○	○	○	○	○	○	●
Statements	○	●	○	○	○	○	○
Transaction History (up to 90 days)	○	●	○	○	○	○	○
PortfolioAnalyst	○	●	○	○	○	○	○
FYI Messages	○	●	○	○	○	○	○