TopstepX API Q&A

With Coach Robert

May 15th, 2025 12:00 PM CT
NEXT: May 21st, 2025 5:00 PM CT

What is an API?
An API (Application Programming Interface) is a set of rules and protocols that allows different software applications to communicate with each other.
Example: An API is like a menu at a restaurant — it tells you what you can order, and how to ask for it. You don't need to know how the kitchen works to get a good meal.

The API is a product of ProjectX that you can use with your TopstepX accounts. Once your TopstepX account is connected to the API, support is provided by the ProjectX team.

- ProjectX Support - https://www.projectx.com/
- API Documentation - https://gateway.docs.projectx.com/

Important Disclaimer

Topstep does not provide technical support for coding, API implementation, integration, or troubleshooting. All development, maintenance, and risk associated with API use is the sole responsibility of the user. Trades made using third-party or custom-built API tools are not eligible for review, adjustment, or reversal by Topstep. All trades executed via the API are considered final. Use of the API Access and any connected tools is entirely at your own risk.

Topstep Help Center
This is the place to start.
https://help.topstep.com/en/articles/11187768-topstepx-api-access

Discord Channel
TopstepX-API https://discord.com/channels/806986940024619039/1371553562890604606

Topstep Dashboard
Practice Account setup
https://dashboard.topstep.com/

ProjectX Dashboard
Subscribe to the API and get your unique API key (DO NOT SHARE THIS KEY!)
Use code: topstep for 50% off
https://dashboard.projectx.com/

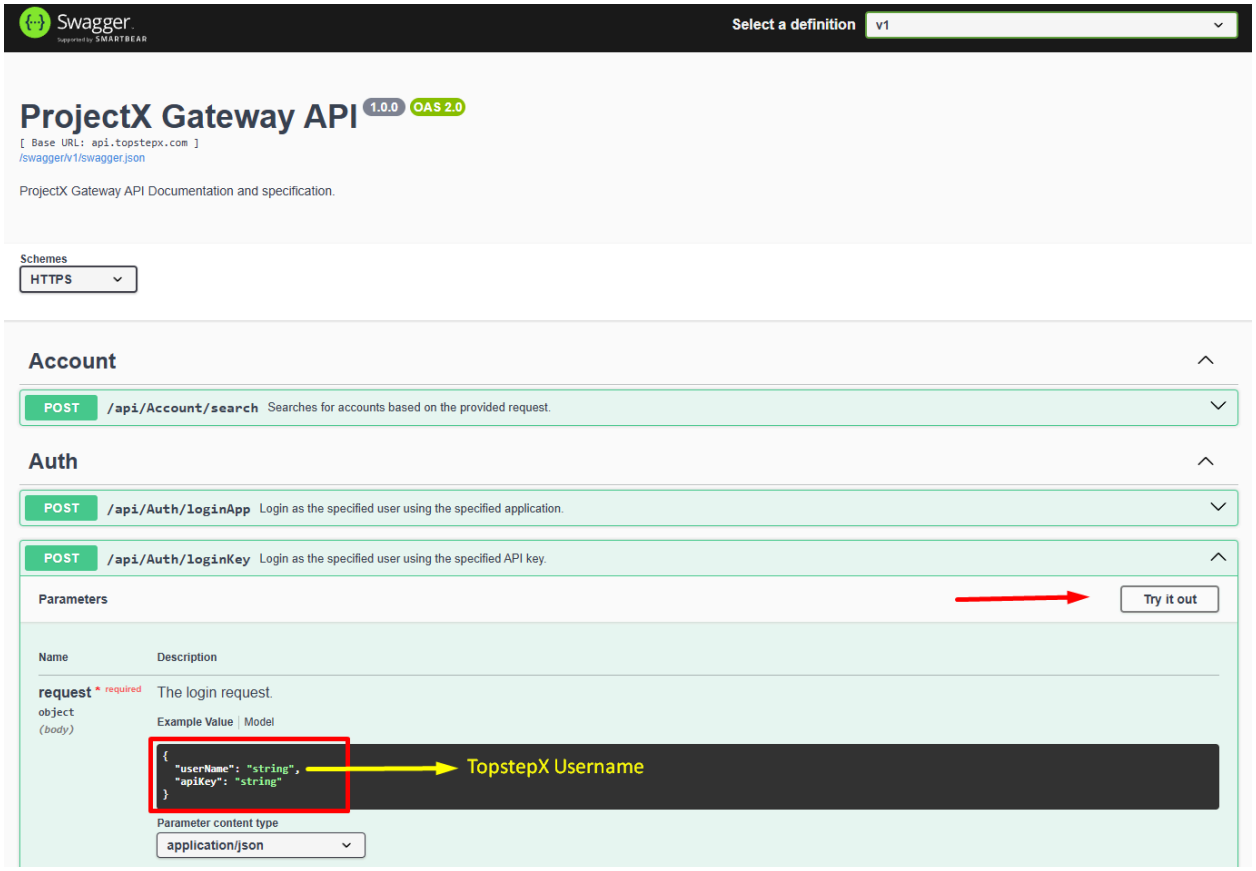
Custom GPT - TopstepX Code Builder
This may be your new best friend.
Training it on available information and will continue to add examples and sample code.
https://chatgpt.com/g/g-67f5cba520fc8191aabb29b2a075477b-topstepx-code-builder

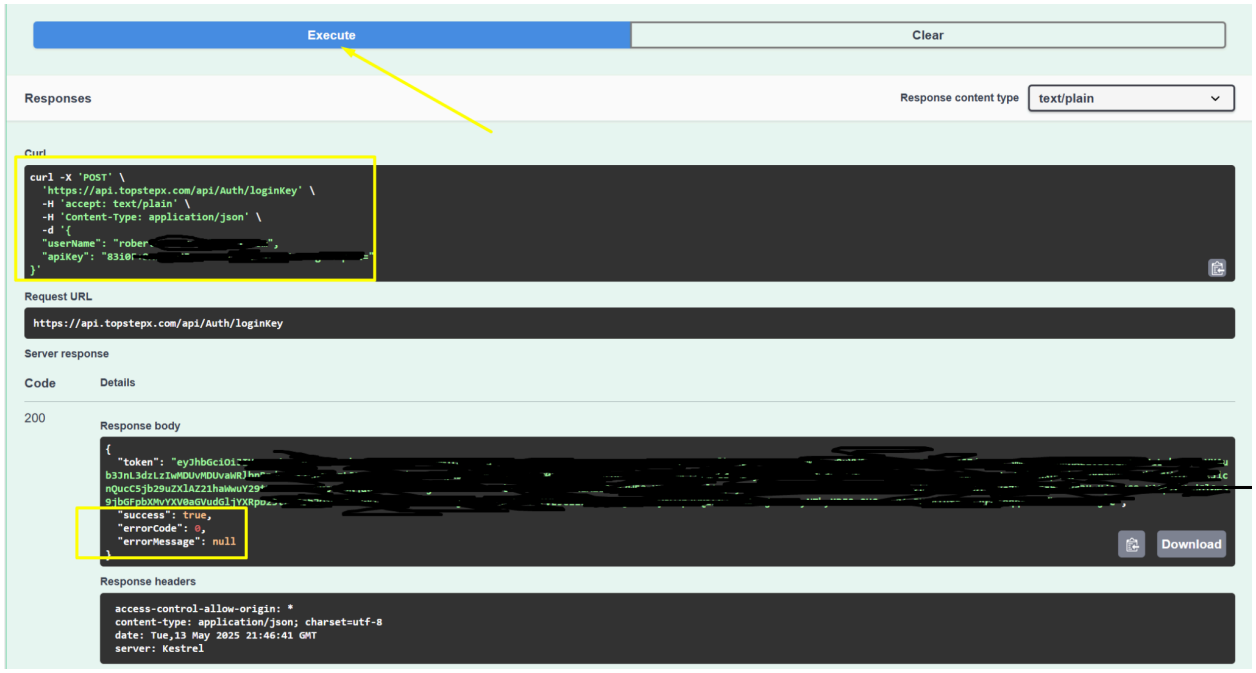
signalR information
https://gateway.docs.projectx.com/docs/realtime/
A real-time communication library developed by Microsoft.
signalR enables:

- Live price feeds
- Instant order status updates
- Account balance and PnL updates
- Notifications for fills, stops, or brackets triggered
- Instead of the client repeatedly asking the server for information (polling), the server pushes updates to the client instantly.

Tutorial and step-by-step videos
In the near future we will be putting together a series of short videos to help get you started.

https://api.topstepx.com/swagger/index.html#/Auth/Auth_LoginKey





Summary of Submitted Questions

Can we build bracket, trailing stop, or OCO orders using the API?
Yes. Use the documentation for references. https://gateway.docs.projectx.com/docs/intro/

Do I need to know how to program?
Yes. You will need development experience. Custom GPT
“Provide sample code for calling a symbol”

Can I partially exit positions with multiple take-profits?
Yes. By monitoring the positions you can close or adjust as needed.

Can the API manage trades on multiple accounts or run multiple strategies simultaneously?
Yes. You only need one subscription and you can use the API for all TopstepX accounts.

Can I use the API alongside the TopstepX platform? Does having both active cause session conflicts or logout issues?
There is only a single connection allowed per username, so running both concurrently will cause a conflict and log you out.

Are there rate limits?
Yes. 400 requests can be handled concurrently.

Can we develop custom indicators, alerts, and trading bots?
The API is currently available for making trades. You cannot create indicators at this time.

Can we create custom risk controls or flatten/reverse on specific conditions?
Sure. This takes some skill and monitoring of open positions.

Can I port over strategies from TradingView, NinjaTrader, or Thinkorswim?
Yes, but not directly. They will need to be converted into utilizing the proper setup of the API.

Is webhook integration from TradingView to ProjectX supported?
Yes. You can find examples in the API documentation.

What software can I use to create my own bot?
Visual Studio, WebStorm, PyCharm, Jupyter Notebooks, others

Which programming languages are supported (Python, C#, JavaScript, etc.)?
Python, Java, C#, JavaScript, .NET and more

- Needs to be able to call a REST API or use WebSocket connections

How do I get started if I'm new to coding or APIs?
Creating your own automated strategy takes some skill and you will need to have some experience in software development. OneMonth.com, Udemy.com, Coursera.org, Codecademy.com,

Where do I get the token, and what's the first setup step?
After you subscribe to the API and get your API Key, you need to acquire your token. https://api.topstepx.com/swagger/index.html#/Auth/Auth_LoginKey

Can this run on a VPS or in the cloud (e.g., Google Cloud Run)?
Not at this time. Running automated systems in a VPS is currently prohibited.

Can I still travel and run this locally on a laptop?
Yes. You can take your code with you.

Can we copy-trade on ProjectX?
You can set up the API to process orders across any of your accounts. Note that they will need to be managed individually. Keep an eye out for copy trading features that may be out soon.

Would this require a third-party tool or can it be custom-built?
There are no third-party tools (such as the Strategy Builder in NinjaTrader) so all automation will need to be custom built.

Can I paper trade?
Yes. You need to have a Practice Account set up in the new Dashboard and use that for trading.

Is TILT data accessible?
Not at this time, but options for use are being reviewed.

Is code I create with the API private, or can Topstep access or use it?
The code you create is private to you, unless you decide to share it.

Is there a marketplace or will this stay user-to-user?
There is no real "Marketplace" at this time. However, feel free to post in Topstep's Discord.

How do I retrieve candle data, including non-time-based (Renko, Heikin Ashi)?
You receive data in real-time but would need to code the Renko and Heikin Ashi mathematical formulas to use as a reference. Not that you are not able to plot candles at this time.

Can I get a full list of tradable contracts?
Yes. https://help.topstep.com/en/articles/8284224-permitted-products-per-exchange