derivaPl for DUMIES

A Beginner's Guide



Application Programming Interface

API stands for "Application Programming Interface".

It's like a bridge or translator that helps two different programs communicate and work together.

Here are some easy examples:

Imagine Deriv is like a car manufacturer. Imagine Deriv is like a car manufacturer. We create the engines and core mechanical components that make the car run - these are like our core trading services.

You, as a developer, are like a car designer. While we provide the reliable engine and internal mechanics, you can design how the car looks and feels - creating unique interfaces and experiences for different users.

Some developers might create a sleek, minimalist trading interface, while others might build a feature-rich platform with detailed analytics. With the Deriv API, you can create trading applications that match your users' needs.



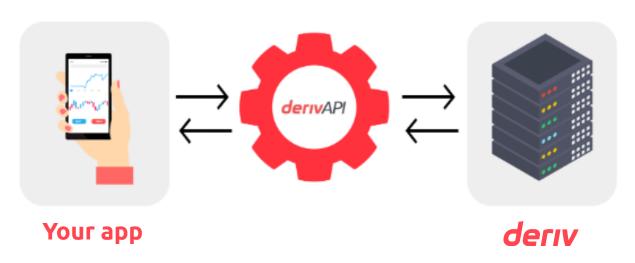
Now, think of a remote control

When you use a remote control (API) to operate your TV (system), you press buttons to send specific commands. The remote control translates your button presses into signals that the TV understands. Similarly, the API translates your requests into instructions that our trading system can process and respond to.

The Deriv API is a tool provided by Deriv that allows people to build their trading applications using the Deriv platform.

Users can create their custom trading environments, leveraging Deriv's system, and earn commissions (Markups) on the trades customers make within their applications.

Application Programming Interface



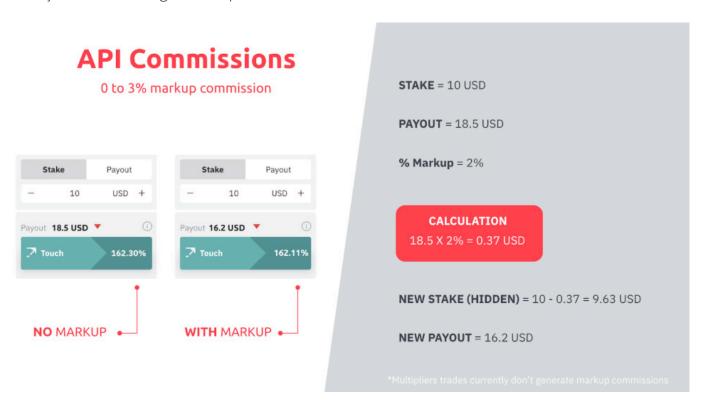
Although using the API at an advanced level requires programming knowledge, here's a basic breakdown of how it works:

- **Connection:** First, you connect your application (a program or tool) to Deriv using the API.
 - **Sending requests:** You send "instructions" through the API to perform actions like checking the price of an asset or placing a buy/sell order.
- **Receiving responses:** Deriv receives your instructions, processes them, and sends back a response. Your application interprets this response and displays the results to you.

It's important to note that Deriv does not provide a programmer. You'll need to work with a trusted developer on your own or handle the development yourself if you have programming expertise. However, Deriv provides everything you need within the API to create platforms, whether manual or automated, allowing you to trade using our infrastructure.

So, the Deriv API can be used for:

- **1. Automation of Trades:** If you find yourself repeating the same trades over and over, you can use the API to automate these processes, saving you from manual repetition.
- **2. Customization:** The API allows you to build tailored tools that meet your exact needs, enabling you to connect Deriv with other services you use.
- **3. Access to Real-Time Data:** With the API, you can get up-to-date information about markets, your accounts, and your trades, helping you make better-informed decisions.
- **4. To generate markup commissions with the API:** If a client trades directly on Deriv, no markup will be applied, and you won't earn a commission. However, if you create a platform or website offering manual and automated trading options and traders execute their trades on your platform, you're entitled to generate up to 3% on each contract.

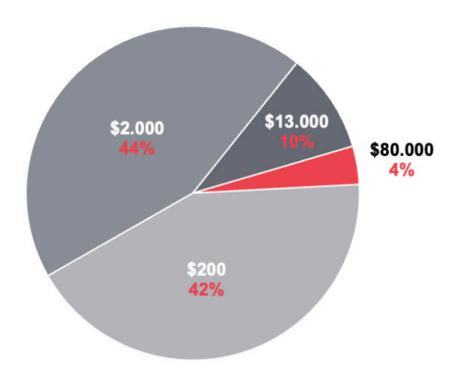


Imagine a trader placing a stake of \$10 in a trading contract. If they win, they receive a payout of \$18.50. Now, if you set a 2% commission (markup), you, as the affiliate, would make \$0.37 from that contract (2% of the trader's \$18.50 payout).

From another perspective, the actual amount the trader invests changes. Their new stake, after subtracting your commission, would be \$10 minus \$0.37, which equals \$9.63. With this adjusted stake, the payout the trader would receive if they win would be \$16.20 instead of \$18.50.

It's important to understand that while the markup potentially generates a commission for you, it also impacts the trader's experience and reduces their potential profits. However, traders choose to use your app because you provide them with additional value: personalized support, automated bots with specific strategies that execute trades automatically to save time and minimize human errors, high-quality charts, and trading education that adds more value to their experience.

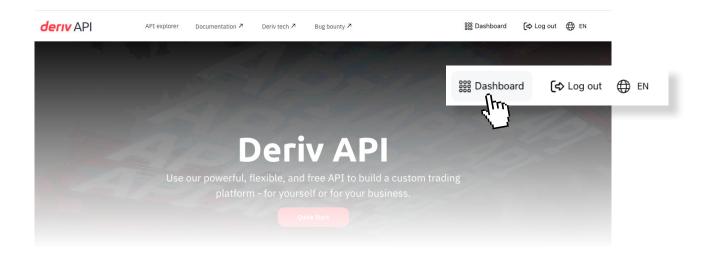
Potential markup commissions:



Statistically, you can achieve significant markup potential by using our API, as many affiliates already have. For example, 44% of affiliates made at least \$2,000 per month, while some top performers (4%) even surpass \$80,000 monthly.

If you're building your own application that will interact with Deriv, the first thing you need to do is register your application:

- Log in to your Deriv account.
- Go to the Apps Dashboard.



- Look for the section called App Dashboard in the dashboard.
- Give your application a name. In the "Name" field, enter something that clearly identifies your app. For example:
- If your app is a bot, you could name it "MyTradingBot."
- Or something related to its purpose, like "MarketAnalyzer."
- Click on Register Now.

App Dashboard

Start using Deriv API to bring custom integrations and powerful automation to your

apps. Register now MyTradingBot · Only alphanumeric characters with spaces and underscores are allowed. The name can contain up to 48 characters. · The name cannot contain "Binary", "Deriv", or similar words. By registering your application, you acknowledge that you've read and accepted the Deriv API terms and conditions



Application registered successfully!

Ready to take the next step?
Optimise your app's capabilities by:

- · Creating an API token to use with your application.
- · Adding OAuth authentication in your app.
- · Selecting the scopes of OAuth authorisation for your app.

Configure now

Maybe later

Note: You can make these changes later through the dashboard.

Add the Markup percentage

If you plan to charge users a markup percentage for the trades they make using your app, enter it here. You can set a markup of up to 3%; in this example, we'll use 2%.

App's name

Enter the name of the application you want to register:

MyTradingBot

- · Only alphanumeric characters with spaces and underscores are allowed.
- . The name can contain up to 48 characters.
- The name cannot contain "Binary", "Deriv", or similar words.

Markup

Add a markup to the price of each trade to help you earn a commission. Enter your markup percentage below. Learn more about markup calculations in our detailed <u>documentation</u>.

Markup is only available for real accounts and trading applications.



OAuth settings

Log in to your app using your Deriv account without an API token. With OAuth, third-party applications can securely authorise access without requiring password sharing, enhancing both security and user control.



- Use OAuth if your application requires other users to sign in.
- · Redirect URL is mandatory to enable OAuth on your app.

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Fill in the OAuth Details

This step allows users to log in to your app using their Deriv accounts. You'll need to set up a couple of URLs to manage this process:

Redirect URL: This is where users will land after logging in with their Deriv credentials. For example, if your app's domain is https://example.com, you could use a link such as https://example.com/login or https://example.com/auth.

Verification URL (if needed): This is used to verify the user's email address. If you don't provide one, Deriv will just use the same Redirect URL for verification. Using the same domain example, write something like https://example.com/verify.

OAuth settings

Log in to your app using your Deriv account without an API token. With OAuth, thirdparty applications can securely authorise access without requiring password sharing, enhancing both security and user control.



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URL Configuration

To set up OAuth for your app, specify the URL where users should be redirected after authorisation.

https://example.com/login

If your app includes verification logic, enter the email verification URL below (e.g. for account opening, verification, and password reset):

https://example.com/verify

If provided, the verification URL will be appended with a token and sent to the user's email. Otherwise, the redirect URL with the token will be used.

So, what is OAuth?

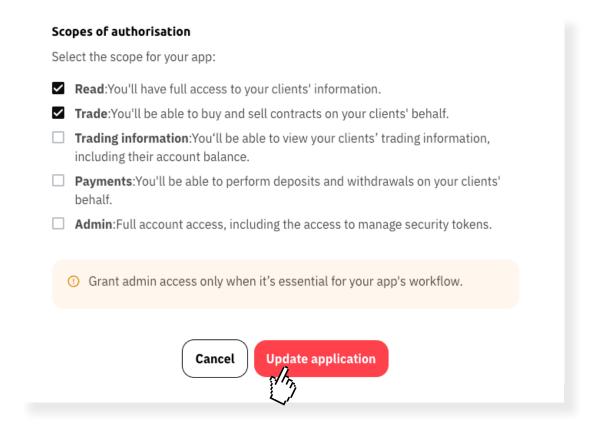
OAuth (Open Authorization) is a system that allows an application to use a user's resources on a server without needing the user's passwords. With OAuth, users can access third-party applications using their Deriv accounts without sharing passwords or API tokens, making the process both safer and easier.



Define the Authorization scope

Select the permissions your application will need. For example:

- If your app only needs to view data, choose "Read".
- If your application also needs to execute trading operations, choose "Trade".

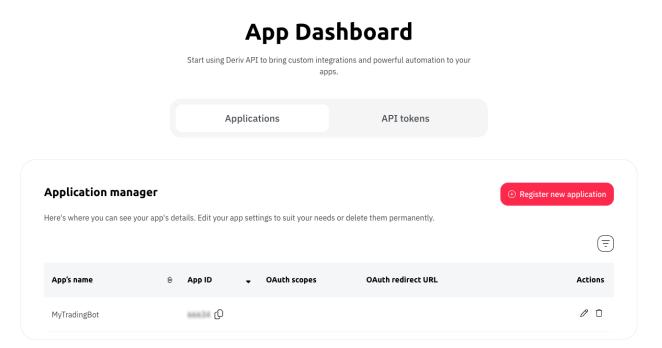


- **Read:** You will have full access to your clients' information.
- Trade: You will be able to buy and sell contracts on behalf of your clients.
- **Trading information:** You will be able to view your clients' trade information, including their account balance.
- **Payments:** You will be able to process deposits and withdrawals on behalf of your clients (only for Payment Agent applications).
- Admin: Full account access, including the ability to manage security tokens (only if essential).
- Click on "Update Application": Once you've completed all the steps, press the update application button. Your application will now be registered! It will appear under the "Application Manager" tab.

Create an API Token

An API Token is essential for Deriv to know that your application is authorized to interact with your account. Here's how you can generate one:

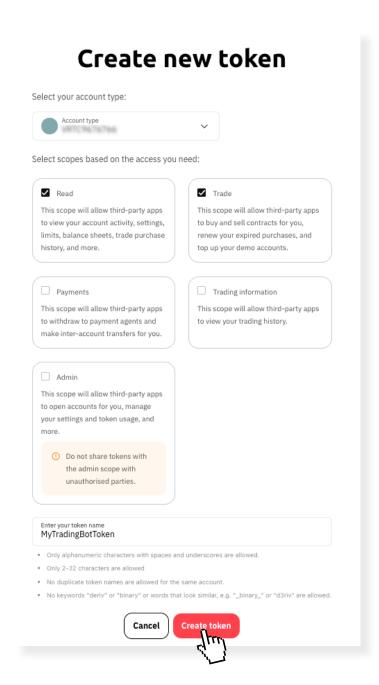
- Go to the Dashboard.
- Log in to your Deriv account.
- Navigate to the API tokens section.
- Click on Create new Token.



Define the Access Level (Scopes)

Before creating the token, you need to decide what your application will be allowed to do with it. Deriv offers several access levels, known as "Scopes":

- **Read:** Allows viewing market data and account details, but does not allow trading operations.
- **Trade:** Grants full access to trade, manage funds, and handle sensitive data.
- Payments: Allows withdrawals to payment agents and transfers between accounts.
- Trading Information: Provides access to read trade history.
- Admin: Allows opening accounts, managing settings, and even overseeing token usage.



Note: Choose only the permissions your application truly needs. If you're just going to read information, select "Read". Avoid using "Trade" or more advanced permissions unless you're absolutely sure.

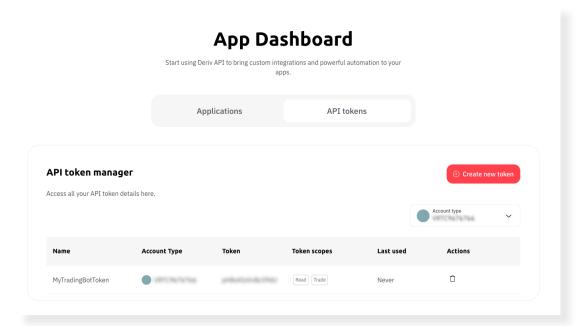
Enter a Name for the Token: Give the token a descriptive name so you'll remember why you created it later. Example: TokenForMyTradingApp.

And then click on Create Token.

Use Your Token: Once it's created, you'll see the token listed on the page.

Important! Copy the token and save it in a secure place, because registration is the only time Deriv will show it to you.

Use this token in your application to authorize requests to the Deriv API (for example, to check your balance, execute trades, etc.).



How to Use the Token

Once you generate your API Token, simply copy it and paste it into your application (or bot) wherever it asks for it. Don't worry about the technical details, your trusted app developer has already set everything up to use your token and securely connect your Deriv account.

Here's what happens behind the scenes:

- **1.** The API Token acts as a "bridge" connecting your Deriv account with the application.
- 2. The application uses this token to perform specific actions, such as:
 - Reading your balance or account information.
 - Automatically executing trades or retrieving market data (depending on the permissions you selected when creating the token).
- **3.** If at any point you no longer want the application to have access to your Deriv account, you can revoke (cancel) the token from your account settings on Deriv.

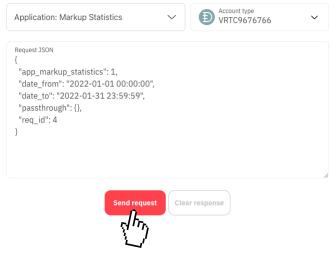
In simple terms: The token works as a "key" that securely gives the application access to your Deriv account. Your developer already knows how to handle everything else once you provide them with this token.

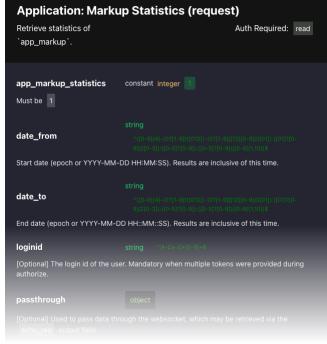
How to View Your API Commission (Markup)

You can check how much you've earned in commissions from your clients' trades by following these steps:

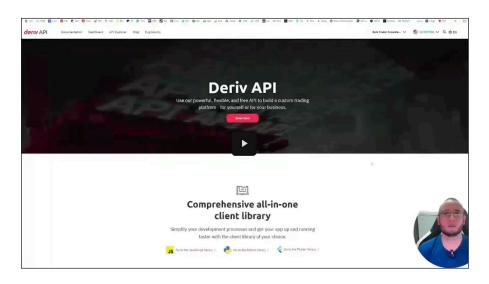
- 1. Open this link: https://api.deriv.com/api-explorer#app markup statistics
- 2. In the dropdown menu, select the option "Application: Markup Statistics".
- 3. Enter the date range you want to view using the "date_from" and "date_to" fields.
 - For example, if you want to check commissions for the entire month of January, set "date_from" to "2023-01-01" and "date_to" to "2023-01-31".
- **4.** If you want more specific details, you can include additional information such as:
 - app_id (your application ID).
 - **client_loginid** (the client's login ID)
- **5.** Click on "Send request" to view your commission.

API Explorer





Examples of successful applications



TradeAI App

TradeAI is a mobile solution using Deriv API Users can perform fast withdrawals and deposits, ensuring efficient control of their transactions. Additionally, it offers a copy trading feature, enabling users to mimic the trading strategies of successful traders. Its success lies in its intuitive design, focus on user security, and integration of practical tools like copy trading and transparent transaction options, empowering users to manage their finances and trading strategies effortlessly.





free.sistemapletsch.com

This app is an automated trading bot using Deriv's API, powered by Deriv, built to follow a specific strategy provided by the affiliate/developer. It analyzes real-time market data using the Deriv API to predict and place trades. It's successful because it simplifies complex trading decisions, runs with high accuracy using a tested strategy, and offers users a safe way to practice on a virtual account before trading live, making it beginner-friendly and reliable.



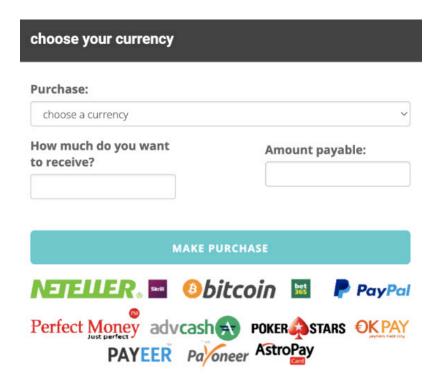
tradder.ai

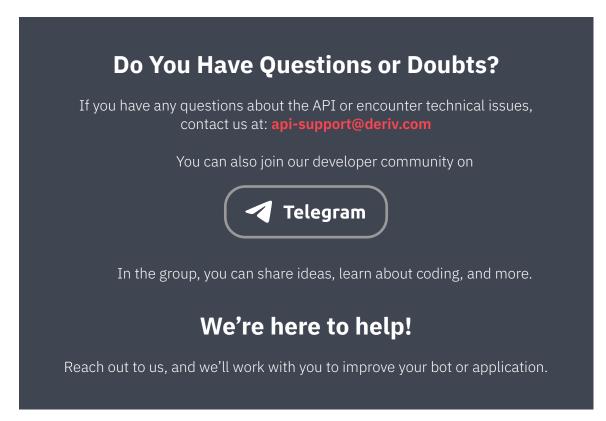
tradder.ai app's success lies in its user-friendly layout, advanced analytics, and integration with Deriv's API, which makes it an excellent solution for both beginners and experienced traders looking for automation and insight.



maiscambio.com

maiscambio.com is a user-friendly currency exchange platform that enables customers to purchase various digital and electronic currencies. Users can select their desired currency (e.g., Neteller, Bitcoin, PayPal, Skrill, etc.), input how much they want to receive, and instantly view the amount payable. Its success comes from its simple, intuitive interface, a wide variety of supported payment options, and its focus on catering to users seeking fast and reliable digital currency exchanges.







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