



HUMMINGBOT

FOUNDATION

FOR PARTNERS
EXCHANGES, BLOCKCHAIN PROTOCOLS, AND TRADING FIRMS

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Hummingbot is the open source OS for crypto algo traders and market makers

Our mission is to democratize high-frequency trading

2019:

Hummingbot started as a simple, command line-based market making bot

```
Version: 1.18.0
Strategy: simple_pmm_example
Strategy file: simple_pmm_example
Gateway: OFFLINE

04:08:46 - script_strategy_base - Creating ETH-USDT buy order: price: 1632.9316985000
00017985946730 amount: 0.0100000000000000020816681711721685132943093776702888059375.

04:08:46 - script_strategy_base - Creating ETH-USDT sell order: price: 1633.2653049000
99992081405120 amount: 0.010000000000000002081668171172168513243093776702888059375

04:08:49 - script_strategy_base - SELL 0.01 ETH-USDT binance_paper_trade at 1633.26 [clock=2023-09-06 04:08:49+00:00]
04:08:49 - script_strategy_base - (ETH-USDT) Canceling the limit order buy://ETH-USDT /e38102c790f6c9054d7fedf13. [clock=2023-09-06 04:08:49+00:00]

04:08:49 - script_strategy_base - Creating ETH-USDT buy order: price: 1633.3116520000
00017990133827 amount: 0.0100000000000000020816681711721685132943093776702888059375.

04:08:49 - script_strategy_base - Creating ETH-USDT sell order: price: 1633.6383474000
99992081405120 amount: 0.010000000000000002081668171172168513243093776702888059375

04:08:51 - script_strategy_base - SELL 0.01 ETH-USDT binance_paper_trade at 1633.64 [clock=2023-09-06 04:08:51+00:00]
04:08:51 - script_strategy_base - (ETH-USDT) Canceling the limit order buy://ETH-USDT /7bc3e2a46017de24345ab5406. [clock=2023-09-06 04:08:51+00:00]

04:08:51 - script_strategy_base - Creating ETH-USDT buy order: price: 1633.5416276000
000179928871800 amount: 0.0100000000000000020816681711721685132943093776702888059375.

04:08:51 - script_strategy_base - Creating ETH-USDT sell order: price: 1633.888372499
9999208112828 amount: 0.010000000000000002081668171172168513243093776702888059375

04:08:53 - script_strategy_base - (ETH-USDT) Canceling the limit order buy://ETH-USDT/e93998836316f462076
58891c. [clock=2023-09-06 04:08:53+00:00]

04:08:53 - script_strategy_base - (ETH-USDT) Canceling the limit order sell://ETH-USDT/e501c88b856e8d592ea
af1cc34. [clock=2023-09-06 04:08:53+00:00]

04:08:59 - script_strategy_base - Creating ETH-USDT buy order: price: 1633.57162650000017992997314 amount
0.0100000000000000020816681711721685132943093776702888059375.

04:08:59 - script_strategy_base - Creating ETH-USDT sell order: price: 1633.89837349999998208702686 amount
0.010000000000000002081668171172168513243093776702888059375.

04:09:01 - script_strategy_base - (ETH-USDT) Canceling the limit order buy://ETH-USDT/b345bbdd5d32c0f97fa
38641c. [clock=2023-09-06 04:09:01+00:00]

04:09:01 - script_strategy_base - (ETH-USDT) Canceling the limit order sell://ETH-USDT/25c928622525ef5a29a
24faccd. [clock=2023-09-06 04:09:01+00:00]

04:09:10 - script_strategy_base - Creating ETH-USDT buy order: price: 1633.57162650000017992997314 amount
0.0100000000000000020816681711721685132943093776702888059375.

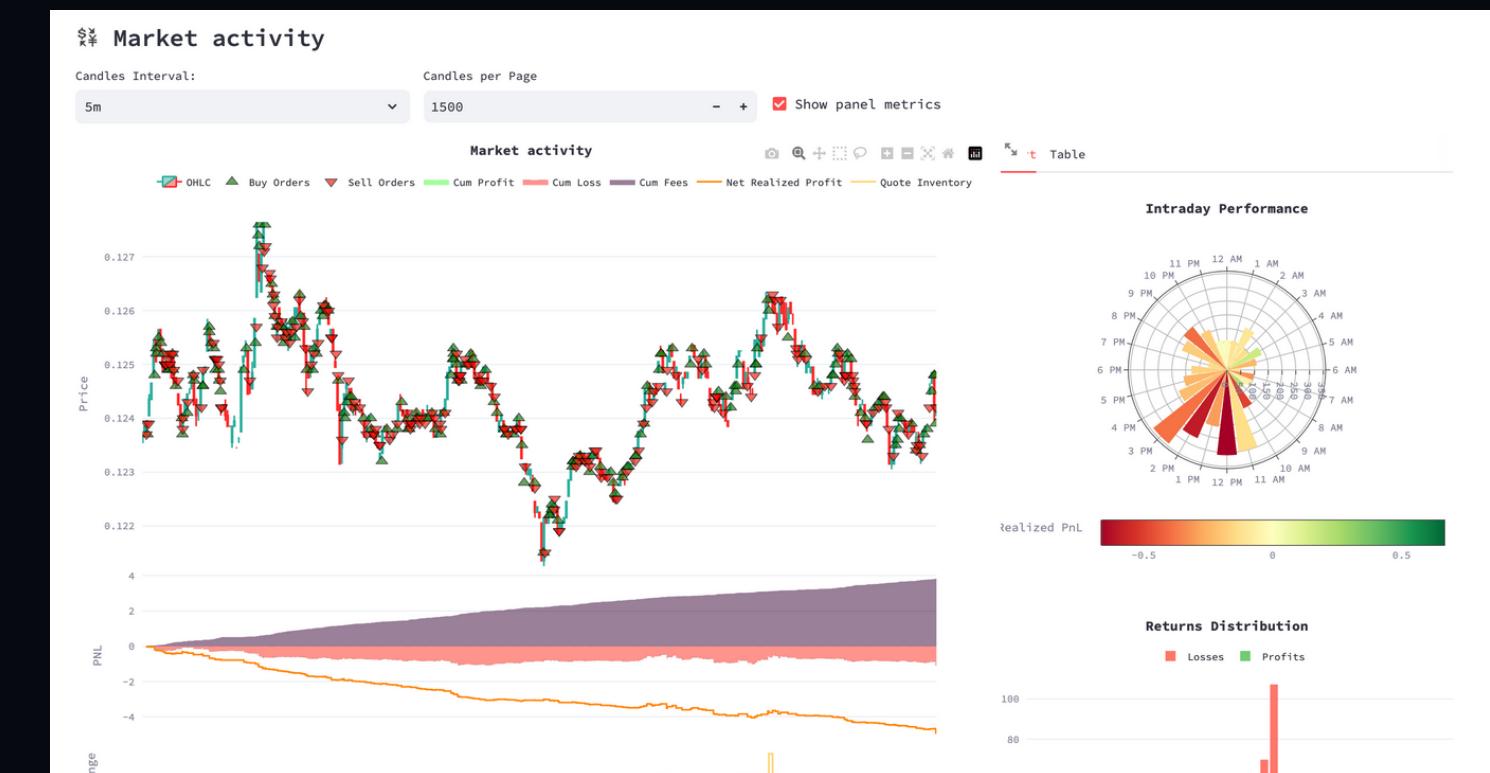
04:09:10 - script_strategy_base - Creating ETH-USDT sell order: price: 1633.89837349999998208702686 amount
0.010000000000000002081668171172168513243093776702888059375.

04:09:10 - script_strategy_base - Creating ETH-USDT sell order: price: 1633.89837349999998208702686 amount
0.010000000000000002081668171172168513243093776702888059375.

>>> [REDACTED]
```

2023:

Today, Hummingbot is an open platform for creating, backtesting, deploying and monitoring fleets of trading bots



We are the largest community of market makers in crypto

14,500



Discord
members

8,860



YouTube
subscribers

6,300



Github
stars

Projects run Hummingbot instead
of hiring market makers

Market makers build their
operations on top of Hummingbot

Hatchet 🇺🇸
@0x6861746366574

Yep. Team + Reputation + Vision is key.

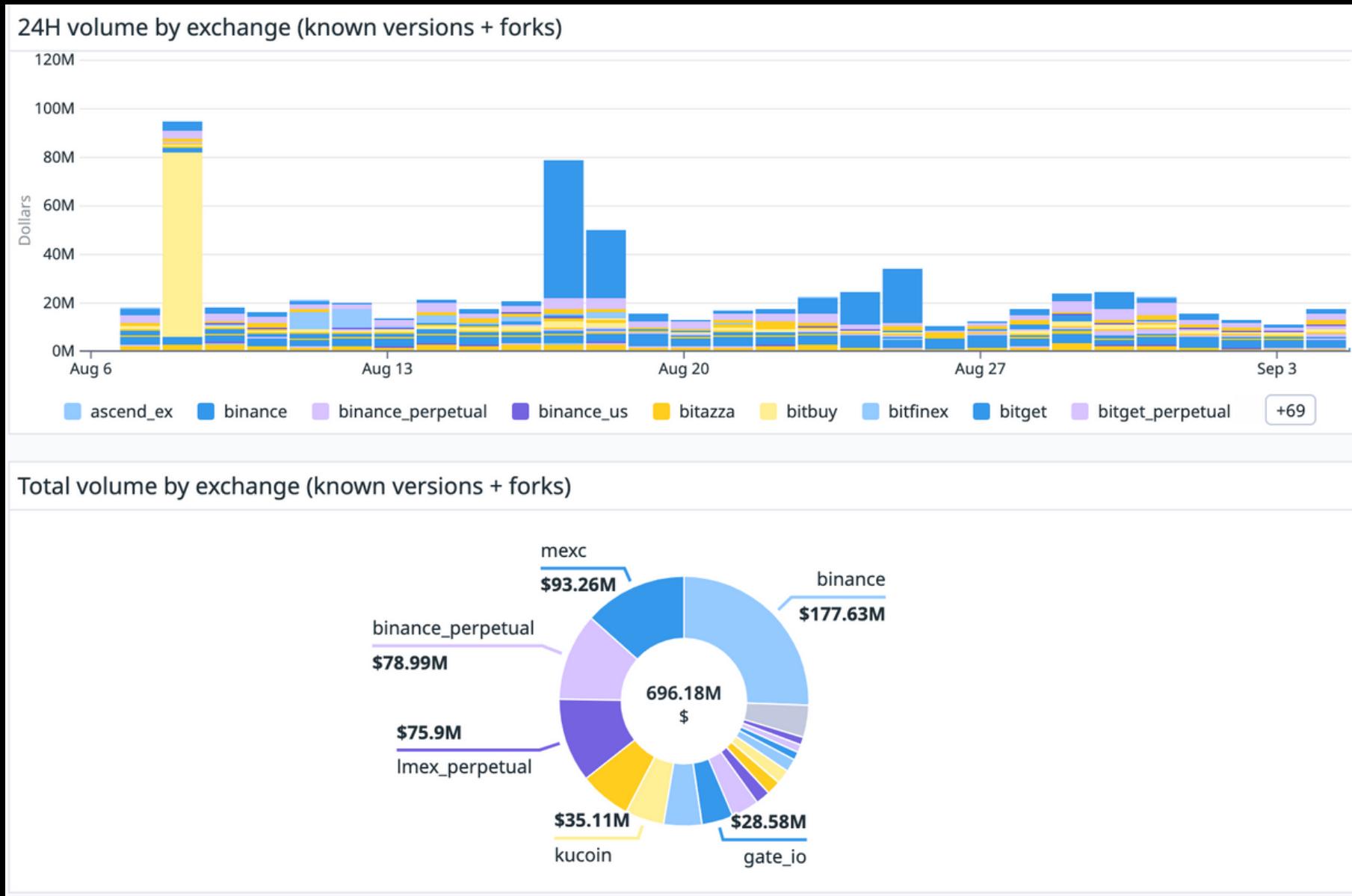
Market making is easy with [@hummingbot_io](#) for smaller teams. 👍

Koji J. Fujishiro @Koji_Fujishiro · Jan 5
どのプロジェクトも信頼できそうなチーム+将来のビジョンがわかれれば上場は容易いのです。株式市場なんかよりはるかに敷居は低いでしょう。つまりスタートアップ企業がいきなり暗号通貨上場企業になれる時代です。ただしどこの取引所も必ずMMはどうするのかを問います。

10:14 AM · Jan 5, 2022 · Twitter for iPhone



Widely used by both individual and institutional traders



In the past month, Hummingbot users have generated \$700M of trade volume across 78 different exchanges. [Reported Volumes dashboard ↗](#)

“We started with Hummingbot as the foundation for our market-making business.”



Eugene, Founder of Market Making Firm



“Hummingbot allowed me to launch strategies that executed \$2 billion+ in trade volume.”



Kollan, Individual Algo Trader

“The Hummingbot community of market makers has contributed significantly to the liquidity on Avalanche-based DEXs”



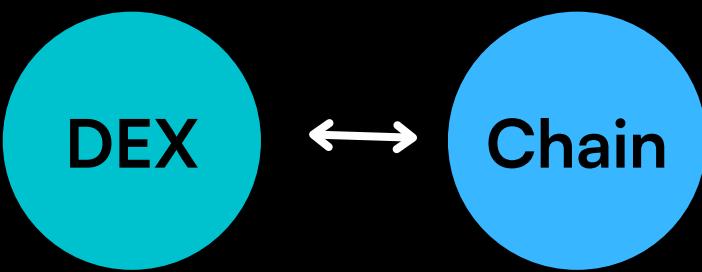
Lydia, VP of BD



Hummingbot Architecture



[Github ↗](#)

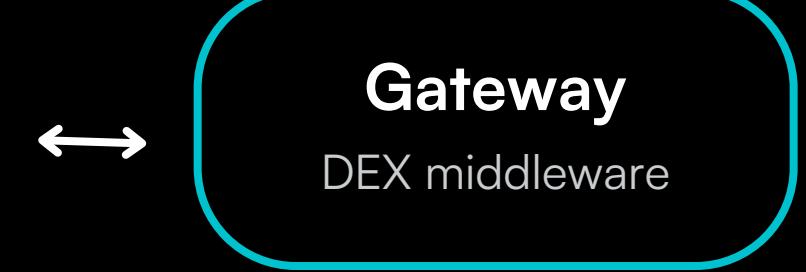


Connectors

REST
TypeScript

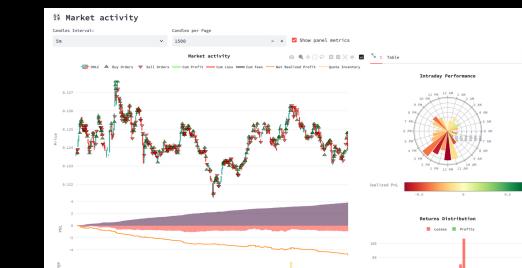
Strategy Framework

How you define a bot process



User Interface

How you deploy, control, and monitor your bots



Dashboard



Client

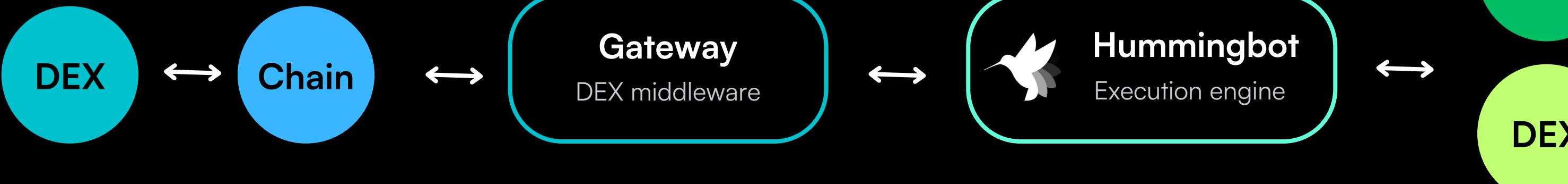


Library

V1 Strategies
Strategy templates with configurable parameters

V2 Strategies
New framework that allows backtestable, multi-strategy bots

Scripts
Single file, simpler bots that serve many functions

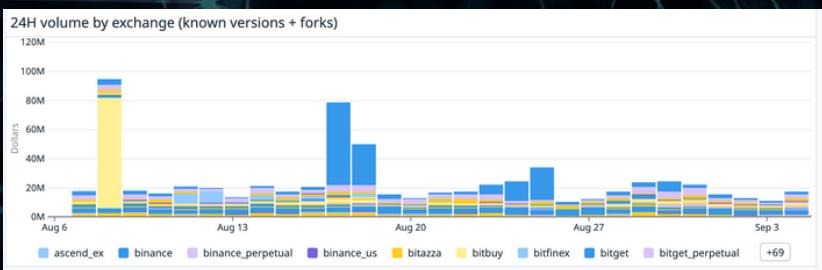


Connectors

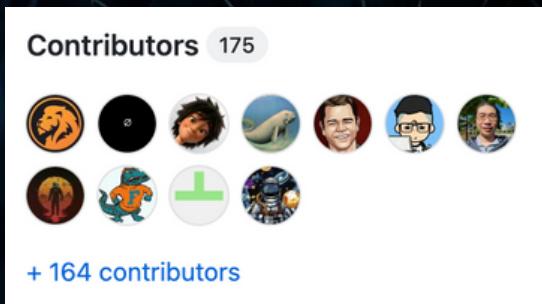
WebSocket
Python

Hummingbot Foundation is an Open Source DAO

Open Source Users

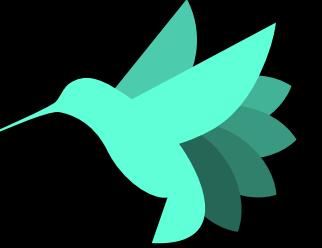


Open Source Contributors



Volume + Liquidity

\$20-100M / day



Bounty Assignment
Quality Assurance
Monthly Releases

Bounties

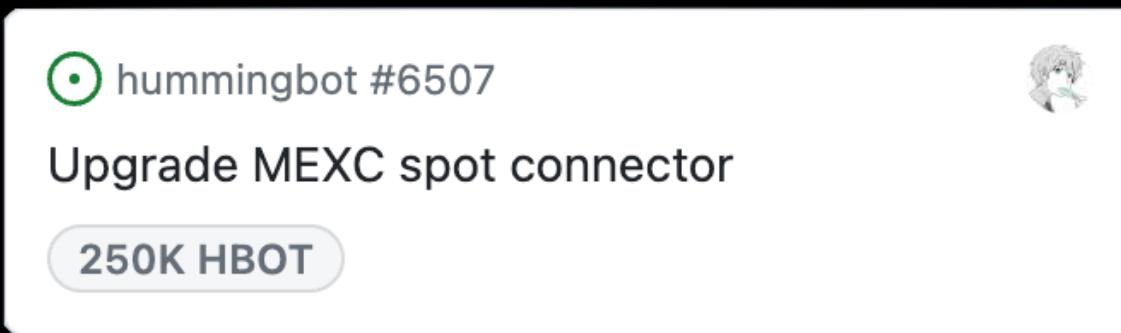
1M HBOT / month

Connectors

56 CEX, DEX, and Chains



Types of Bounties



🔗 Connector



🐞 Bug



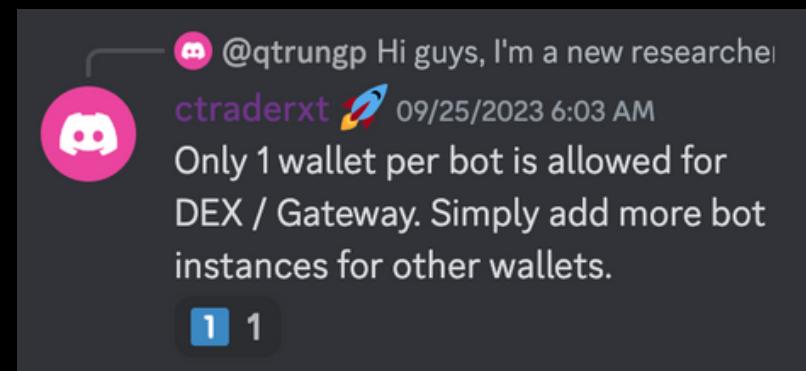
⬆️ Enhancement



✍️ Strategy



⚔️ Competition



🆘 Support

Bounties tap into global tribe of Hummingbot devs

489

Bounties paid

102

Unique wallets

\$57

Avg payout

The image shows a GitHub board with six columns, each representing a different status of bounties:

- Potential (6 items):** Potential bounties that may be proposed or funded. Examples include "Bitfinex connector fix - Unexpected error occurred when listening to order book streams" and "XEMM - Getting 'FutureWarning: the frame.append method is deprecated' while using gateway connector".
- Open (4 items):** Open bounties eligible to be assigned. Examples include "Create a Spot Connector for CEX BitTeam" and "Deribit connector".
- Assigned (4 items):** Bounties that have been assigned to a contributor. Examples include "Add gateway balance command" and "Binance Perpetual lack of handling for non existing order".
- Submitted (4 items):** Bounties that have addressed by a submitted pull request. Examples include "Gateway - getting price query failed error after restarting gateway connection" and "Curve connector".
- Needs Work (2 items):** Change requested before merging pull request. Examples include "Upgrade Coinbase spot connector" and "Ripple DEX/Chain connector".
- Merged (61 items):** Pull request merged. Examples include "Uniswap - Getting unhandled error when using USDC.e", "Gateio Perpetual account position info missing", and "Gateio perpetual - displays duplicate position on client when retrieving position from exchange".

Each item in the list includes a link to the GitHub issue, the bounty amount (e.g., 1600 USDT, 10K HBOT), and a small profile picture of the assignee.

[Bounties Board ↗](#)

Lifecycle of a Hummingbot bounty

[New Bounty ↗](#)

Posting the Bounty

Submit form

Submit the [New Bounty form](#) with a link to Github issue, bounty type, and budget.

Scope bounty

We work with you to define bounty scope, acceptance criteria and amount needed.

Fund bounty

Send the bounty amount to Foundation wallet. We custody and pay out only after code delivery.

Post on Board

We post Bounty on Bounties Board, where any developer can apply for assignment.

Ensuring Quality Work

Assign dev

We qualify developers based on prior experience and assign your bounty to a suitable candidate.

Monitor dev

We stay in constant contact with the developer and re-assign the bounty if needed.

Review PR

We review the pull request for engineering security and adherence to code standards.

Test PR

We test the pull request to assess functionality, fulfillment of acceptance criteria, and UX impact.

Shipping the Code

Merge PR

We merge the pull request into the development branch of Hummingbot.

Release

We conduct a thorough overall codebase check before each Hummingbot monthly release.

Pay dev

We process payment to the developer only after code has been verified and published.

Handling Fee

20% Fund bounty in USDT or liquid token

10% Fund bounty in HBOT

Ways to use Bounties

Post a Bounty

Post a bounty on Bounties Board and let us handle the rest, from assigning a dev to testing and delivering the code

LIMITED AVAILABILITY

Managed Bounties Wallet

Sponsor Hummingbot Foundation and we manage a multi-sig Bounties Wallet to build, maintain, and promote your connectors

New Connectors

Post a Connector Bounty to get a connector built for you. Choose delivery of code as private fork or proposed into open source codebase.

We manage end-to-end connector process: scoping, hiring a dev, reviewing/testing pull request, and merging into codebase.

Maintenance

Post Bug and Enhancement Bounties to fix Github issues related to your connectors.

We regularly propose, post, and handle Bug and Enhancement Bounties for your connectors.

Governance

Vote with HBOT on [Snapshot](#) each quarter to keep your connectors included in future official Hummingbot releases.

We manage the HBOT in Bounties Wallet to ensure that your connectors remain in the Hummingbot codebase.

Content

Post Content Bounties to create guides and videos that show users how to set up and run Hummingbot on your connectors.

We regularly propose, post, and handle Content Bounties. After, we co-promote them to the Hummingbot community.

Strategies

Post a Strategy Bounty to get a private strategy or script built for you.

N/A

Branding

N/A

We add your logo as an official Sponsor to the Hummingbot website, docs + Github.

Botcamp



Professional training for algo traders and market makers, built on top of Hummingbot

Your Instructors



Mike

Co-founder of Hummingbot



Fede

CTO of Hummingbot Foundation

Monthly Subscription

\$200 per month

[Enroll now ↗](#)

- Monthly live sessions and office hours
- Monthly bot trading competitions
- Access to past Core Course cohort recordings
- Access to private Botcamp Github repo
- Access to #premium-support Discord channel

Custom Core Course

\$2000 per seat

(ask about custom
versions of this course)

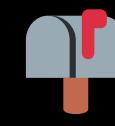
- 6 week developer bootcamp for aspiring algo traders and market makers
- Learn to design and code various trading strategies
- Build and present your custom script at Demo Day
- 120+ students have completed this course

 **Bounties**

Submit this form to start the process of posting a bounty

[Bounty ↗](#) **Botcamp**

Enroll in Botcamp to learn professional algo trading and market making

[Enroll ↗](#) **Newsletter**

Subscribe to Hummingbot newsletter to get regular updates

[Subscribe ↗](#)