MCP SERVER | NO CODE | CLOUD HOSTED

lemon.markets MCP

Automate Stock Trading and Portfolio Oversight.

lemon.markets connects your AI client to European stock and ETF trading data. It lets you automate market analysis, search specific instruments by name or ISIN, get real-time bid/ask quotes, check your current portfolio holdings, and execute buy or sell orders directly through natural language prompts.

A+ Quality Score 100/100

stock-trading | market-data | brokerage-api | etf-trading | real-time-quotes

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vinkius.com/mcp/lemonmarkets

SCAN TO VIEW

The infrastructure that powers AI agents in the real world.

Vinkius connects AI to the world's software through secure, enterprise-grade infrastructure — enabling real-world execution at scale, built on the Model Context Protocol (MCP).

Your AI Connections Run Through Vinkius Cloud

The world's largest managed MCP catalog

Vinkius is the cloud infrastructure where AI agents connect to the software your business already runs. We handle the hosting, the security, the credentials, the uptime — you get agents that actually do things.

We operate the world's largest managed MCP catalog. Major SaaS platforms, CRMs, databases, and cloud providers — running, monitored, production-ready. This MCP server is hosted and maintained by the Vinkius Cloud for AI Agents.

> *The agent doesn't manage credentials, doesn't manage uptime, doesn't manage security. Vinkius does.*
>
> — Architecture principle

Four Pillars of the Vinkius Runtime

01 — Security by design

Credentials stay encrypted at rest via AES-256. The AI agent never touches raw keys — they're injected into a sandboxed V8 isolate at runtime. Actions are logged, and connections have an emergency kill switch.

02 — Built on MCP Fusion

This MCP server was built with **MCP Fusion**, the open-source framework (Apache 2.0) that powers the entire Vinkius catalog. Schema-as-firewall strips undeclared fields, compiled PII redaction runs at zero overhead, and cryptographic lockfiles produce git-diffable audit trails.

03 — Deterministic observability

Eight immutable metrics per endpoint: request volume, p95 latency, error rate, active connections, cost attribution. A live payload feed logs every tool call with mutation detection.

04 — Autonomous operations

Servers are deployed, monitored, and patched autonomously. New capabilities and security patches ship weekly. Zero-downtime deployments ensure continuous availability across all managed MCP servers.

AES-256	Ed25519	24h TTL	V8 Isolate
Encryption at rest	PKI vault signatures	Ephemeral session keys	Sandboxed execution

One Token. Instant Access.

Every MCP server on Vinkius is accessed through a **Connection Token**. Tokens are generated in the cloud dashboard and produce a unique MCP endpoint URL. Paste this URL into any MCP-compatible client — no SDK required.

A single token can serve **multiple AI clients simultaneously**, or you can issue separate tokens per client for granular access control. Each token tracks its own request count, last activity timestamp, and can be individually enabled or revoked.

MCP ENDPOINT

```
https://edge.vinkius.com/{token}/mcp
```

Claude · Cursor · VS Code · Windsurf · Grok · Gemini

Security Is the Architecture

Security in Vinkius is not a feature — it's the foundation of the runtime. The gateway enforces multiple independent protection layers between AI agents and third-party APIs.

01 — Ed25519 PKI Vault

Every workspace has an Ed25519 Master Key. Session keys are generated ephemerally (24h TTL) and signed by the Master Key. Credentials never leave the vault boundary.

02 — V8 Isolate Sandboxing

Tool code runs inside isolated-vm V8 isolates with 64 MB memory caps and per-request timeouts. No filesystem access, no network access except through the SSRF-guarded fetch bridge.

03 — SSRF Guard

All outbound HTTP requests are DNS-resolved and validated before execution. Private IP ranges (10.x, 172.16-31.x, 192.168.x, AWS metadata 169.254.x) are blocked at the network layer.

04 — DLP & PII Redaction

A ResponseGuard pipeline intercepts every tool response. Configurable redaction patterns strip sensitive fields (emails, SSNs, card numbers) before data reaches the AI agent.

05 — Cryptographic Audit Trail

Every request is signed into a SHA-256 hash chain with Ed25519 signatures. Events form a tamper-proof, SIEM-exportable forensic record.

06 — Honeytoken Trap System

Phantom credentials are injected into isolated environments. If a honeytoken is used outside Vinkius infrastructure, the server is quarantined instantly.

Emergency Kill Switch

EU AI Act Art. 14(1) Compliant

The kill switch is an **emergency halt** mechanism — not a simple toggle. When triggered, it executes three actions atomically:

01 — Server deactivated

The MCP server is immediately taken offline across the entire cluster.

02 — All tokens revoked

Every connection token is invalidated. Total lockout — reconnection blocked until new tokens are issued.

03 — WebSocket connections killed

Active connections terminated via Redis pubsub broadcast. Propagates to every runtime node in the cluster.

Full Visibility. Zero Guesswork.

The Vinkius cloud dashboard includes a full MCP Governance suite — real-time analytics and security controls for production AI operations.

Control Plane

KPI dashboard with request volume, latency, success rate, token consumption, and AI-generated operational briefings.

Agent Activity

Which AI clients are connecting, how often, and what they're doing — real-time session tracking.

FinOps

Cost tracking per tool, payload compression savings, budget optimization signals, and consumption trends.

Tool Health

Slowest and most error-prone tools, with actionable root-cause insights and performance baselines.

Firewall & DLP

PII redaction activity, sensitive data protection counters, and security event timeline.

Incident Log

Error trends, failure rates, status-code breakdowns, and forensic audit trail access.

> Get started at **cloud.vinkius.com** — connect your AI agent in under 60 seconds.

lemon.markets MCP

8 tools available
Cloud-hosted on Vinkius

Your agent can connect to lemon.markets via this MCP to handle complex European stock trading tasks. You don't need to log into a web portal; you simply instruct your AI client to perform the action. For example, you can ask it to find all available instruments for a specific company or retrieve the latest price quote instantly. The agent then handles everything from checking your account balance using get_brokerage_account to listing every active position with list_active_positions. Need to make a trade? You can tell it to place a new buy or sell order, and even activate pending orders or cancel existing ones. If you're building sophisticated trading logic, Vinkius makes this MCP available in the catalog so your agent always has access to market data. All of this happens without writing any code—just talk to your AI client.

Core Capabilities

01 — Search for European Instruments

Find specific stocks or ETFs using their company name or International Securities Identification Number (ISIN).

02 — Get Real-Time Pricing Data

Retrieve the current best bid and ask prices for any listed financial instrument.

03 — Manage Trading Orders

Create, activate, cancel, or list all your open buy and sell orders.

04 — Review Portfolio Status

List every position you currently hold and view detailed account balance information.

One Click on Vinkius — From Prompt to Execution

Available at **vinkius.com/mcp/lemonmarkets** — connect your AI agent in three steps.

01 Subscribe to the lemon.markets MCP on Vinkius.

02 Provide your specific lemon.markets API Key to connect your agent.

03 Start by prompting your AI client with a request, like 'What is the latest quote for Siemens?' and let it handle the rest.

The bottom line is you use natural language prompts instead of navigating complex trading dashboards or writing API calls.

Built For

This MCP is built for anyone who deals with financial markets regularly. If you're an analyst tired of switching between data feeds, or an investor who needs quick execution without logging in, this connector saves time and effort.

Financial Analyst

Automates the retrieval of real-time quotes and historical market data needed for reports and research.

Individual Investor

Quickly checks asset prices, monitors current positions, and places trades via conversation instead of a web form.

Quantitative Developer

Integrates structured market data retrieval and order management into custom trading scripts or bots.

What Changes When You Connect

01 Get instant pricing data: Use get_latest_quote to pull the bid/ask price for any European stock without opening a separate market feed.

02 Manage trades entirely through conversation: Place new orders using place_new_order, then monitor them with list_brokerage_orders. No clicking necessary.

03 Stay informed on your holdings: list_active_positions gives you an immediate view of every asset you own and their current status.

04 Handle complex workflows: You can search for instruments using search_market_instruments to find the exact ticker needed before running any other tool.

05 Complete oversight: get_brokerage_account lets your agent check balance details, making sure your trades are funded correctly.

Real-World Applications

Checking a Quick Price Change

An investor needs to know if Tesla's price jumped before lunch. Instead of visiting the website, they ask their agent: 'What is the latest quote for US88160R1014?' The agent uses get_latest_quote and gives them the current bid/ask prices instantly.

Rebalancing a Portfolio

A financial analyst wants to sell some Apple stock and buy more Volkswagen. They ask their agent to check list_active_positions, then place_new_order for the sale, followed by another place_new_order for the purchase.

Confirming an Order Status

A user placed several orders yesterday and needs to know which ones are still open. They simply prompt: 'List my active trading orders.' The agent runs list_brokerage_orders, showing exactly what's pending or complete.

Researching a New Investment

A developer needs to know the ISIN for a niche European company. They prompt: 'Search market instruments for XYZ Corp.' The agent uses search_market_instruments and returns the necessary identifier, ready for the next step.

Patterns to Avoid

Manually checking account status

✗ AVOID

Logging into the trading platform, navigating to 'Account Details,' and manually reviewing balances to ensure funds are available.

✓ INSTEAD

Just ask your agent: 'What is my current brokerage account balance?' The tool get_brokerage_account pulls this data instantly.

Over-ordering trades

✗ AVOID

Placing a new buy order, but forgetting to activate it because the platform requires two separate clicks.

✓ INSTEAD

After using place_new_order, follow up immediately with 'Activate the pending order.' The tool activate_pending_order ensures the trade goes through.

Trying to find a ticker symbol

✗ AVOID

Guessing or copy-pasting an incorrect ISIN that leads to an error message because the market exchange requires precise identifiers.

✓ INSTEAD

Use search_market_instruments first. Provide the company name, and the tool will confirm the correct instrument ID for you.

The Right Fit

Use this MCP if your core need is automated, conversational access to real-time European stock data, order management, and portfolio status checks. It's ideal for anyone who needs to process market information or execute trades without opening a browser tab or writing custom code. Don't use it if you are building a complex historical backtesting engine that requires decades of daily closing prices; while the tools handle current data (get_latest_quote), they aren't designed for massive, long-term time series analysis. If your goal is simply reading general news about finance, use a standard search tool instead—this MCP is strictly for actionable market intelligence and transaction management.

The Hassle of Switching Between Trading Views

Today, checking the status of your investments means jumping between five different web pages. You check the overall portfolio on one tab, then switch to another to find a specific stock's latest price quote. If you need to place an order, you go yet again, only to realize you have to manually retrieve the ISIN before hitting 'submit.' It’s slow, and you lose focus.

With this MCP, all that data comes into one conversation. You ask your agent for a specific piece of information, like listing_active_positions or getting_latest_quote, and the answer appears immediately. Your AI client handles the multiple API calls behind the scenes so you just get the final result.

Manage Orders and Portfolio Status with lemon.markets MCP

The biggest time sink is tracking where an order stands after you submit it. You have to check the history tab, then potentially go back to your open orders list, just to confirm if the buy or sell was activated correctly. It's a tedious round of confirmation clicks.

Now, tell your agent: 'List my active trading orders.' The tool list_brokerage_orders gives you the immediate status—activated, pending, or canceled. You get total clarity without opening a single dashboard.

lemon.markets: 8 Market Tools Available

These eight tools allow you to search instruments, fetch prices, track holdings, and execute trades across the lemon.markets platform entirely through your AI agent.

#	TOOL	DESCRIPTION
01	`get_brokerage_account`	Retrieves your current account information from lemon.markets.
02	`activate_pending_order`	Executes a buy or sell order that has been placed but is not yet active.
03	`cancel_open_order`	Removes an open trading order from your account.
04	`get_latest_quote`	Fetches the current best bid and ask prices for a specified stock or ETF instrument.
05	`list_brokerage_orders`	Displays a list of your most recent trading orders.
06	`place_new_order`	Submits a new buy or sell order, which usually requires subsequent activation.
07	`list_active_positions`	Lists all financial instruments you currently own in your portfolio.
08	`search_market_instruments`	Locates stocks or ETFs by name, company, or specific ISIN code across European exchanges.

See It in Action

Real prompts you can use once this MCP is connected to your AI agent through Vinkius Cloud.

U Find the ISIN for 'Volkswagen' on lemon.markets.

I've searched for 'Volkswagen' and found several instruments. The primary ISIN for Volkswagen AG is 'DE0007664039'. Would you like the latest quote for this asset?

U Get the latest ask price for Tesla (ISIN: 'US88160R1014').

The latest quote for Tesla (US88160R1014) shows an Ask price of $175.40 and a Bid price of $175.35.

U List my active trading orders.

I've retrieved your orders. You have 2 active orders: a BUY for Apple (quantity: 10) and a SELL for BMW (quantity: 5). Both are currently in 'activated' status.

Frequently Asked Questions

01 **How do I find instruments using lemon.markets MCP?**

You use the search_market_instruments tool. You simply provide the company name or the ISIN, and the MCP returns a list of available stocks or ETFs.

02 **Can lemon.markets MCP handle trades for European markets?**

Yes, this MCP is specifically designed to manage trading and market data for European stocks and ETFs.

03 **Do I need to write code to use place_new_order with lemon.markets MCP?**

No, you don't write code. You just tell your AI client through natural language that you want to place a new order, and the agent handles the required parameters.

04 **What is the difference between list_brokerage_orders and list_active_positions with lemon.markets MCP?**

list_brokerage_orders shows your recent transaction history and pending actions. list_active_positions only lists what you currently own in your portfolio.

05 **How do I make sure my new order executes after using place_new_order?**

After placing a new order, always prompt the agent to run activate_pending_order. This is necessary for the system to finalize and execute the trade.

Go Live in 60 Seconds

Get your connection token from **cloud.vinkius.com**, then paste the endpoint URL into any MCP-compatible client.

YOUR MCP ENDPOINT

```
https://edge.vinkius.com/[TOKEN]/mcp
```

CLIENT	WHERE TO CONFIGURE
Claude AI	Profile → Customize → Connectors → "+" → Add custom connector → Paste endpoint
Cursor	Settings → Features → MCP Servers → "+ Add New MCP Server" → Type: SSE → Paste endpoint
VS Code	Ctrl/Cmd+Shift+P → "MCP: Add Server" → add `"lemonmarkets": { "url": "…" }`
Windsurf	MCP Settings → `mcp_settings.json` → Add endpoint URL
ChatGPT	Settings → Tools & plugins → Add MCP server → Paste endpoint
Gemini	Extensions → Add MCP Server → Paste endpoint URL

ASK AN AI ABOUT THIS

Let your preferred AI explain this MCP server

- Ask ChatGPT
- Ask Claude
- Ask Perplexity
- Ask Gemini
- Ask Grok

READY TO CONNECT

lemon.markets is live on Vinkius Cloud.

Get your connection token, paste it into your AI agent, and start building. No SDK. No deployment. Just results.

Start at cloud.vinkius.com →

vinkius.com · support@vinkius.com

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