

MCP SERVER

NO CODE

CLOUD HOSTED

Finnhub MCP

Instantly audit market performance and track global assets.

Finnhub connects your AI client to real-time financial data for instant market auditing. Check live quotes for thousands of global stocks, track crypto movements across exchanges, and monitor breaking news across general, forex, and crypto categories, all through natural conversation.

A+ Quality Score 100/100

stock-market

cryptocurrency

financial-data

real-time-quotes

market-news

forex



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.

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.

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.

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

Encryption at rest

Ed25519

PKI vault signatures

24h TTL

Ephemeral session keys

V8 Isolate

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.

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.

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.

06 — Honeypot Trap System

Phantom credentials are injected into isolated environments. If a honeypot 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.

FinOps

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

Firewall & DLP

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

Agent Activity

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

Tool Health

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

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.

Finnhub MCP

6 tools available

Cloud-hosted on Vinkius

Need to audit a company's standing or check the latest Bitcoin ETF updates without opening ten different browser tabs? Finnhub lets your agent act like a dedicated financial analyst. You simply ask your AI client for what you need—say, 'What are the basic financials for MSFT?'—and it pulls the live data immediately. It handles everything from retrieving real-time stock quotes to searching for relevant crypto symbols and compiling market news reports across different categories. This means complex market analysis stops being a chore of manual searches. When you connect Finnhub through Vinkius, your agent gets an instant connection to global financial intelligence, making sure every decision is grounded in the absolute latest numbers.

Core Capabilities

01 — Get real-time stock quotes

Retrieves current price data and market metrics for specific global stocks.

02 — Audit company financial health

Pulls basic financial metrics and general corporate information using a company's symbol.

03 — Search and identify assets

Finds stock or crypto symbols by name to determine if an asset is supported for tracking.

04 — Monitor market news

Gathers the latest headlines from specified market categories, like general news or forex updates.

05 — Track cryptocurrency data

Lists supported crypto symbols across various exchanges for digital asset tracking.

One Click on Vinkius — From Prompt to Execution

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

- 01 First, subscribe to the Finnhub MCP and supply your unique API key.
- 02 Next, connect this MCP to your preferred AI client like Claude or Cursor.
- 03 Finally, simply ask your agent a question—like 'Show me the quote for AAPL'—and it executes the data pull instantly.

The bottom line is that you talk about financial data in plain English, and the MCP handles all the complex API calls behind the scenes.

Built For

Financial analysts who are tired of copy-pasting data between Bloomberg and internal spreadsheets. Traders needing immediate market confirmation before making a move. Data engineers tasked with automating financial symbol checks.

Investment Analyst

Uses the MCP to run rapid audits on company profiles, pulling basic financials and comparing them against current stock quotes in one conversation.

Quantitative Trader

Relies on real-time market news and crypto monitoring tools to stay ahead of trends and identify immediate trade opportunities without manual searching.

Data Engineer

Automates the identification and validation of financial symbols, using search tools to quickly map out potential asset markers for a large dataset.

What Changes When You Connect

- 01 Get immediate price context. Instead of opening a terminal, you ask for the quote using `get_stock_quote`, and your agent provides the current price, daily high, and change instantly.

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- 02 Understand company fundamentals fast. You can run basic financials on any organization with `get_basic_financials`, giving you metrics like P/E ratio without leaving your workflow.

 - 03 Stay informed about trends. Use `get_market_news` to pull the latest headlines across entire categories (like crypto or forex), keeping you updated instantly.

 - 04 Map out assets quickly. If you're unsure of a symbol, `search_symbols` helps you find it by name before requesting data. It saves time and prevents lookup errors.

 - 05 Manage digital assets efficiently. `list_crypto_symbols` lets your agent check every supported crypto symbol for an exchange, ensuring no digital asset is missed during auditing.
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Real-World Applications

Investigating a new market sector

A junior analyst wants to see what the general sentiment is around clean energy. They ask their agent to use `get_market_news` for the 'general' category, then run `search_symbols` to find key company names in that space. Finally, they request the current quote for those symbols using `get_stock_quote` to build a quick market overview.

Tracking a volatile crypto play

A trader wants to know which altcoins are supported on Binance. They use `list_crypto_symbols` first, then ask for `get_stock_quote` and basic financials for the top three candidates found, all without leaving their primary workspace.

Auditing a startup's viability

A venture capitalist needs to vet two companies quickly. They first run `get_company_profile` on both, then use `get_basic_financials` for each to compare metrics like revenue and market cap side-by-side in the chat window.

Preparing a cross-functional investment report

The operations lead needs to gather data on a global portfolio. They start by running `search_symbols` for multiple tickers, then use `get_market_news` across 'forex' and 'general' categories to provide context before finalizing the report.

Patterns to Avoid

Checking data sources manually

X AVOID

Copying a ticker symbol from Google, pasting it into Yahoo Finance, then opening a separate news site for headlines. This takes five minutes and involves three different dashboards.

✓ INSTEAD

Use your agent to combine these steps: first run `search_symbols` to verify the ticker, then use `get_stock_quote` for the price data, and finally use `get_market_news` for context, all in one prompt.

Forgetting crypto coverage

X AVOID

Only checking major exchange websites for Bitcoin prices, missing out on smaller altcoin movements or different exchanges entirely.

✓ INSTEAD

Use `list_crypto_symbols` to check every supported asset on the exchange you care about. Then use `get_stock_quote` for all of them in sequence.

Confusing company data with market news

X AVOID

Reading a headline that mentions 'Company X' and assuming it reflects their current financial standing, which might be outdated.

✓ INSTEAD

Separate the tasks. Use `get_market_news` for headlines and then use `get_basic_financials` or `get_company_profile` to confirm the actual metrics behind the news.

The Right Fit

Use this MCP if your primary need is real-time, actionable financial data—specifically live quotes, fundamental company metrics, or breaking market headlines. You should use it when you need to know *what* the asset is doing right now. Don't use Finnhub if you only need historical trend analysis over years; for that, look into a dedicated time-series database tool instead. Also, don't use this if your workflow involves complex accounting ledger management—this MCP is for market intelligence, not GAAP compliance. It excels at rapid data synthesis: taking a symbol name and spitting out the quote, profile, and related news in one go.

The constant tab-switching game of financial research

Today, researching market activity means jumping between five different dashboards. You start by Googling a ticker symbol to find its price, then open the company's website for basic financials, switch to a news aggregator for headlines, and finally check a separate crypto tracker if you're looking at altcoins. It's tedious, it's slow, and you always feel like you missed something crucial.

With this MCP, you tell your agent what you need—say, 'Give me the market snapshot on Apple.' You get an integrated response that pulls the live quote using `get_stock_quote`, summarizes key company data via `get_company_profile`, and provides any related news from `get_market_news`. The entire process happens inside a single conversation.

Get instant market intelligence with Finnhub

Manual research forces you to copy the ticker symbol, then paste it into three different fields on three different websites. You lose context every time you hit 'refresh' or open a new tab.

Now, you just ask your agent. It finds the asset using `search_symbols` and returns all necessary data points—the quote, the profile, the news—without you ever having to click anything. Your focus stays on the insight, not the clicks.

Finnhub with 6 Tools

Use these six tools to retrieve everything from real-time stock quotes and company profiles to crypto symbol lists and the latest market headlines.

#	TOOL	DESCRIPTION
01	<code>list_crypto_symbols</code>	Retrieves a list of supported cryptocurrency symbols for a specified exchange.
02	<code>get_basic_financials</code>	Gathers fundamental financial metrics and data points for any given company.
03	<code>get_market_news</code>	Fetches the latest market news headlines based on a specified category (e.g., forex, general).
04	<code>get_company_profile</code>	Provides general background information and details about a company using its stock symbol.
05	<code>get_stock_quote</code>	Gets the current, real-time price quote data for any specific global stock symbol.
06	<code>search_symbols</code>	Searches across markets to find potential stock or crypto symbols using a name query.

See It in Action

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

U Get the current stock quote for 'AAPL' (Apple) using Finnhub.



I've retrieved the quote for AAPL! The current price is \$185.20, with a daily high of \$186.50. The change for the day is +1.5%. Would you like to see the company profile or basic financials?

U Show the latest news in the 'crypto' category.



I've retrieved the latest crypto market news. Notable headlines include updates on Bitcoin ETFs and new Ethereum upgrades. I can provide the links to the full articles if you'd like.

U What are the basic financial metrics for 'MSFT' (Microsoft)?



I've retrieved the financial metrics for Microsoft. Notable data includes a P/E ratio of 35.2 and a current dividend yield. I can provide the full breakdown of valuation and profitability markers if you'd like.

Frequently Asked Questions

01 How do I get real-time stock quotes using Finnhub MCP?

You simply ask your agent for a quote and provide the ticker symbol. The system executes the `get_stock_quote` tool, giving you the current price and daily change immediately.

02 Can I check crypto symbols with Finnhub MCP?

Yes, use `list_crypto_symbols` to see all supported assets on a given exchange. This helps ensure you don't miss any important digital currency data.

03 What is the difference between `get_company_profile` and `get_basic_financials`?

`get_company_profile` gives general background info about the company, while `get_basic_financials` pulls specific quantitative metrics like P/E ratios or dividend yield.

04 Does Finnhub MCP include forex news?

Yes. You can use `get_market_news` and specify 'forex' as the category to pull the latest foreign exchange market headlines directly into your workflow.

05 Is this good for tracking multiple symbols? (Finnhub MCP)







Absolutely. You don't have to run commands individually; you can prompt your agent to check quotes and profiles for a list of tickers, consolidating the results into one readable response.

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 <code>"finnhub": { "url": "..." }</code>
 Windsurf	MCP Settings → <code>mcp_settings.json</code> → 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

Finnhub 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](https://cloud.vinkius.com) →

vinkius.com · support@vinkius.com

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