MCP SERVER | NO CODE | CLOUD HOSTED

Polygon.io MCP

Analyze Stock Market Data and Trades Instantly

Polygon.io connects your agent to institutional-grade financial data, giving you instant access to real-time and historical stock market information right inside your chat window. You can retrieve OHLCV aggregates, analyze tick-by-tick trades, check company fundamentals, or track past dividend payments instantly without leaving your workflow.

A+ Quality Score 100/100

stock-market | trading-data | financial-analysis | real-time-data | ticker-search

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vinkius.com/mcp/polygonio

SCAN TO VIEW

The connectivity layer between AI and the world's software.

Vinkius sits between AI and every application. All communication passes through Vinkius Cloud via the Model Context Protocol (MCP) — with governance, observability, and security at every layer.

Your AI Connections Run Through Vinkius Cloud

The world's largest managed MCP catalog

Vinkius is the connectivity layer where AI connects 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.

Polygon.io MCP

6 tools available
Cloud-hosted on Vinkius

Need to understand a market trend but hate opening ten different tabs? This MCP lets you pull deep financial data directly through natural language queries. Your agent handles the complexity; you just ask questions about the stock market.

Whether you're analyzing historical performance or checking current liquidity, you get raw, structured data—from detailed company metadata to precise trade volumes. You can monitor how a stock behaved minute-by-minute or see every cash dividend paid over the last decade. Since Vinkius hosts this MCP in their catalog, connecting it is fast; just plug into your preferred AI client.

This means you spend zero time copying data between screens and all your focus stays on the analysis itself.

Core Capabilities

01 — Get Historical Price Ranges

Retrieve Open, High, Low, Close, Volume (OHLCV) bars for any stock across custom timeframes.

02 — Analyze Live Market Movements

Access tick-by-tick trade data and quotes to pinpoint exact market movements and execution prices.

03 — Research Company Basics

Pull detailed metadata for a stock ticker, including its industry classification and primary business description.

04 — Check Dividend History

List historical cash dividend payments, including the frequency and ex-dividend dates for specific assets.

05 — View Available Instruments

Query a full list of supported financial tickers and instruments available on the platform.

One Click on Vinkius — From Prompt to Execution

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

01 Subscribe to this MCP and enter your Polygon.io API Key into the client settings.

02 Ask your agent a specific question, for example: 'What were the daily aggregates for TSLA last month?'

03 The agent runs the necessary tools against the live financial data and returns the structured analysis directly in your chat.

The bottom line is you get deep market insights without leaving the conversation interface.

Built For

This MCP serves anyone who needs to move beyond simple charting and actually model or validate financial theories. It's for people whose job requires synthesizing data from multiple, disparate sources—like a quant researcher validating a new trading signal or a fintech developer verifying market connectivity.

Financial Analyst

Needs to quickly pull historical aggregates and dividend listings for quarterly reports and financial modeling.

Quantitative Researcher (Quant)

Must inspect tick-by-tick trades and quotes to validate complex trading strategies directly from the terminal environment.

Fintech Developer

Uses ticker metadata verification to build robust financial applications that rely on accurate market identifiers.

What Changes When You Connect

01 Stop switching between charting platforms and data sheets. You can now get daily aggregates using the `get_aggregates` tool and immediately analyze what that means for your report.

02 Validate complex strategies by getting tick-by-tick trades with `list_trades`. Instead of guessing market depth, you see the exact execution prices in real time.

03 Save hours researching company background. The `get_company` tool instantly gives you industry classifications and business descriptions without visiting a separate corporate website.

04 Build comprehensive financial models by running through historical dividend payments using the `list_dividends` tool, ensuring your cash flow projections are accurate.

05 Know exactly what data is available. Use `list_tickers` to check if a specific instrument is supported before writing any code or query.

Real-World Applications

Validating a new investment theory

A quant researcher wants to know if volatility was higher last month than this month. They ask their agent to get daily aggregates for the past two months using `get_aggregates`. The agent returns the OHLCV data, allowing them to instantly compare volume and price movement without manual charting.

Preparing a client presentation

A financial analyst needs to prove a company's stable dividend record. They use `list_dividends` on the target ticker. The agent compiles the full history, showing consistent cash payments and ex-dividend dates for easy inclusion in slides.

Debugging an application connection

A fintech developer needs to ensure their system can handle a new stock symbol. They first run `list_tickers` to confirm support, then use `get_company` on the specific ticker to pull metadata and verify the industry classification before writing any code.

Real-time competitive analysis

A trader wants to know if a stock is currently experiencing heavy buying pressure. They ask for quotes using `list_quotes`. The agent returns the best bid and offer data, allowing them to make immediate decisions based on current market interest.

Patterns to Avoid

Treating it like a general search engine

✗ AVOID

Asking the agent 'What is the stock market doing?' and expecting a narrative answer. This MCP provides structured data, not commentary.

✓ INSTEAD

You must be specific. Instead of asking generally, use `list_aggregates` to check historical ranges for a specific ticker or use `get_company` to understand its sector.

Guessing the required timeframe

✗ AVOID

Simply requesting 'Show me volume data' without specifying the time range (e.g., 1 day, 7 days). The tool needs explicit parameters.

✓ INSTEAD

Always specify the window when calling `get_aggregates` or `list_trades`. For example, request 'hourly aggregates for the last 30 days'.

Overlooking available data types

✗ AVOID

Assuming that current quotes (`list_quotes`) include historical trade data. They are two distinct data streams.

✓ INSTEAD

If you need past trades, use `list_trades`. If you only want the immediate best bid and offer prices, call `list_quotes`.

The Right Fit

Use this MCP if your work requires high-fidelity, structured market data. Specifically, if you need to calculate historical performance metrics (use `get_aggregates`), validate a company's background details (`get_company`), or analyze the micro-movements of price and volume (`list_trades`). Don't use it if you are simply writing a report that requires general industry knowledge or qualitative market commentary; for those needs, standard web searches are better. If your need is only to check which stocks exist, `list_tickers` solves that without needing deeper data calls.

The struggle of context-switching in financial research

Right now, analyzing market trends means opening a brokerage terminal for quotes, then switching to a spreadsheet to calculate 52-week aggregates, and finally jumping over to a company website just to confirm the industry sector. You spend more time copying and pasting data between tabs than you do actually thinking about the investment.

With this MCP, your agent handles all that complexity. You ask one question—for example, 'What were the daily aggregates for TSLA in Q1?'—and it pulls the volume, open, high, low, and close data into a single, readable response. The workflow is immediate; the context stays put.

Polygon.io MCP gives you instant market validation

You don't have to manually check six different sources—one for trades, one for quotes, and another just for company metadata. The agent aggregates all these data points using tools like `list_trades`, `get_company`, and `list_quotes` into a single analytical output.

It means your analysis is grounded in comprehensive, verified market records the second you ask it. You stop assembling reports from disparate sources and start making decisions.

Polygon.io: 6 Tools for Financial Data

These tools let you programmatically access every type of financial data, from daily price summaries to individual tick-by-tick trades.

#	TOOL	DESCRIPTION
01	`get_aggregates`	Retrieves Open, High, Low, Close, Volume (OHLCV) price bars for a specified stock ticker and time period.
02	`get_company`	Fetches detailed background information, including the industry classification, for any given stock ticker.
03	`list_dividends`	Generates a list showing all historical cash dividend distributions for an asset.
04	`list_quotes`	Gets real-time, tick-by-tick quotes (NBBO) to show the current best bid and offer prices.
05	`list_tickers`	Queries and returns the full list of all financial tickers supported by the platform.
06	`list_trades`	Retrieves every recorded tick-by-tick trade that occurred for a specific stock ticker.

See It in Action

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

U Get company details and industry for ticker NVDA.

I've retrieved the details for NVIDIA Corp (NVDA). They operate in the Semiconductors & Related Devices industry. Their primary business involves designing graphics processing units (GPUs) for the gaming and professional markets.

U Show me the historical dividends for MSFT.

Fetching dividend history for Microsoft (MSFT)... I found a consistent record of quarterly cash dividends. The most recent distribution was $0.75 per share with an ex-dividend date of February 14, 2024.

U Get daily aggregate bars for TSLA from 2024-01-01 to 2024-01-10.

I've compiled the daily aggregates for Tesla (TSLA) for that period. On Jan 2nd, it opened at $250.08 and closed at $248.42 with a volume of 104M. Would you like the full breakdown for the remaining days?

Frequently Asked Questions

01 **How does Polygon.io MCP get real-time stock quotes?**

It uses the `list_quotes` tool to fetch tick-by-tick data, giving you the current best bid and offer prices (NBBO). This is critical for immediate trading decisions.

02 **Can I check dividend history with Polygon.io MCP?**

Yes, running `list_dividends` pulls a comprehensive record of all historical cash dividends paid out by the company over time, helping you project future payouts.

03 **What is the difference between get_aggregates and list_trades?**

`get_aggregates` summarizes price action (OHLCV) for a given period. `list_trades`, however, provides raw, individual records of every single trade that occurred during that time.

04 **Do I need an API key to use Polygon.io MCP?**

Yes, you must subscribe and enter your personal Polygon.io API Key into the client settings for the agent to access the live financial data.

05 **What if I want a list of all available stocks?**

Use the `list_tickers` tool. It queries the platform and returns the full, supported list of financial instruments you can analyze with other tools.

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 `"polygonio": { "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

Polygon.io 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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