MCP SERVER | NO CODE | CLOUD HOSTED

CoinAPI MCP for AI Agents

Analyze real-time crypto market data & order books

CoinAPI MCP connects your AI agent to institutional-grade cryptocurrency data from hundreds of exchanges. You instantly retrieve real-time prices, detailed OHLCV records, live order book depth, and trade activity without writing custom API calls or manually checking dashboards.

A+ Quality Score 100/100

market-data | cryptocurrency | ohlcv | order-book | real-time-sync | rest-api

MAINTAINED BY VINKIUS CLOUD FOR AI AGENTS · JUNE 2026
vinkius.com/mcp/coinapi

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.

CoinAPI MCP

9 tools available
Cloud-hosted on Vinkius

This connector gives your AI client instant access to market intelligence across the entire crypto ecosystem. Instead of opening dozen different exchange tabs or spending hours scripting complex data pipelines, you simply ask your agent what you need—like comparing Ethereum's historical performance against its current Level 2 order book depth.

It fetches crucial metrics like live exchange rates and detailed trade histories from major exchanges in one go. Whether you're tracking how market momentum shifts or building a back-tested trading strategy, this MCP acts as your dedicated quantitative analyst. You connect it through the Vinkius catalog to any compatible AI client, giving you reliable access to data that was previously locked behind specialized API keys and custom coding.

The agent processes complex requests—like pulling Open/High/Low/Close/Volume (OHLCV) data for multiple timeframes—and presents the actionable insights directly in your chat window. You get a full view of asset liquidity, making it easier to analyze both macro market trends and specific trading opportunities.

Core Capabilities

01 — List all supported crypto and fiat assets

Provides a definitive list of every cryptocurrency and fiat currency that the system tracks.

02 — View integrated exchanges

Retrieves a list of all major crypto exchanges connected to the data platform.

03 — Get historical price records (OHLCV)

Fetches structured Open, High, Low, Close, and Volume data for deep price pattern analysis.

04 — Retrieve live order book depth

Accesses the current bid/ask liquidity levels from major exchanges to assess immediate market pressure.

05 — Get real-time asset quotes

Pulls the best available buy and sell price quotes for a specified crypto pair.

06 — Fetch current exchange rates

Retrieves the live conversion rate between any two supported currencies or assets.

07 — Get recent trade activity feed

Provides a chronological list of the latest trades that have executed on an exchange, showing volume and price movement.

One Click on Vinkius — From Prompt to Execution

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

01 Subscribe to this MCP on Vinkius and enter your unique CoinAPI key.

02 Connect the MCP to your preferred AI client (Claude, Cursor, etc.).

03 Ask your agent a natural language question about crypto pricing or market data.

The bottom line is you get access to deep, multi-exchange financial data simply by talking to your AI client.

Built For

Anyone who needs institutional-grade crypto intelligence but hates writing API wrapper code. This MCP is built for quants and professional traders who need rapid access to deep market metrics like order book depth and historical OHLCV data without friction.

Quantitative Analyst

Runs back-tests or compares volatility by fetching specific OHLCV records across multiple timeframes for different assets.

Crypto Trader

Monitors live market conditions by requesting the latest order book depth and trade activity on specific exchanges to spot immediate entry points.

Portfolio Manager

Tracks asset valuations against multiple fiat pairs and lists supported assets to verify compliance or portfolio coverage.

What Changes When You Connect

01 Get instant, deep access to Level 2 order book depth. Instead of viewing multiple exchange websites, your agent aggregates the current bid/ask spread across major venues.

02 Eliminate manual rate checks by using get_exchange_rates and get_specific_rate. You can ask for a BTC/USD conversion instantly without needing to know the exact pair code.

03 Deep dive into price history with get_ohlcv. Analyzing Open, High, Low, Close, and Volume data across various timeframes becomes a simple conversation.

04 Track market activity by calling get_latest_trades. You see exactly which assets are moving volume right now, without manually refreshing trade feeds.

05 Consolidate intelligence with list_assets and list_exchanges. Before running an analysis, you can confirm every asset and exchange that is supported.

Real-World Applications

Comparing liquidity across major exchanges

A trader needs to know if a large sell order would crash the market on Binance or Coinbase. They ask their agent to use get_latest_orderbooks for both, instantly comparing the bid/ask depth and identifying the most liquid venue.

Validating asset pairs for investment

A researcher needs a full list of all available coins and fiat pairings. They ask the agent to run list_assets and then use get_exchange_rates on two specific pairs they are considering, ensuring the data is valid.

Building a back-tested trading signal

A quant wants to see if Ethereum's price action was strong last month. They ask for daily OHLCV data using get_ohlcv and specify the timeframe, allowing them to analyze patterns that simple live quotes miss.

Monitoring a sudden market shift

A portfolio manager observes unusual trading volume. The agent uses get_latest_trades on a specific asset to pull the most recent transactions and determines if the high volume is correlated with a major exchange's liquidity drop.

Patterns to Avoid

Assuming all exchanges track the same data

✗ AVOID

Manually checking three different crypto websites to see the current trade count for Bitcoin. You might miss real-time fluctuations or get conflicting volume numbers.

✓ INSTEAD

Ask your agent to use get_latest_orderbooks and get_latest_quotes across multiple exchanges in one prompt. The MCP handles the aggregation, giving you a consistent view of market depth.

Getting stuck on formatting historical data

✗ AVOID

Writing complex Python code just to pull yesterday's daily price movements (OHLCV) for analysis, wasting time debugging API parameters.

✓ INSTEAD

Just ask your agent using get_ohlcv. Specify the asset and timeframe in plain English, and it returns structured OHLCV data ready for immediate use.

Forgetting to check available assets

✗ AVOID

Trying to analyze a niche crypto pair that you aren't sure is supported by your current API connection.

✓ INSTEAD

Before starting, run list_assets. This confirms the exact symbol and asset name required, preventing failed requests later when calling get_exchange_rates or other tools.

The Right Fit

Use this MCP if you need to compare market metrics across multiple crypto exchanges simultaneously, or if your analysis requires historical price depth (OHLCV) alongside real-time liquidity data. You're building a system that needs robust financial context.

Don't use it if all you need is a simple 'what is the current price?' check for one single asset on one specific exchange; in those cases, simpler dedicated quote services might suffice. However, if your question involves comparing rates (get_exchange_rates) or analyzing historical patterns over time, this MCP is necessary because it unifies that data access into a conversational flow.

CoinAPI MCP for AI Agents: Overcoming Crypto Data Silos

Today, tracking crypto market health means juggling dashboards. You check Exchange A for trades, then open Exchange B to see the order book depth, and finally jump to a third site just to get the current BTC/USD rate. This copy-paste, tab-switching mess takes time and introduces high risk of missing crucial data points.

With this MCP, your agent handles the entire process conversationally. You ask for a comprehensive picture—say, comparing today's trade activity against yesterday's OHLCV data across three exchanges. The result is one clean output you can act on immediately.

CoinAPI MCP for AI Agents: Analyzing Cross-Exchange Liquidity

The biggest pain point in crypto trading analysis is knowing the true liquidity. You have to manually check multiple exchanges using different APIs—one for quotes, one for order books, and another for trades—just to get a complete picture of where the money actually is.

Now, you simply ask your agent to assess liquidity. It runs checks on both get_latest_orderbooks and get_latest_quotes simultaneously, giving you an aggregated view that tells you exactly where the deepest bids and asks sit across the network.

9 Tools in the CoinAPI MCP for Crypto Market Analysis

These tools allow your agent to fetch everything from current exchange rates and live quotes to detailed historical price records and order book depth across crypto exchanges.

#	TOOL	DESCRIPTION
01	`list_assets`	Lists every crypto and fiat asset that the API supports for tracking.
02	`list_exchanges`	Provides a list of all integrated cryptocurrency exchanges available in the system.
03	`get_ohlcv`	Retrieves historical Open, High, Low, Close, and Volume data for price analysis.
04	`get_latest_orderbooks`	Accesses the current bid/ask spread and liquidity levels from major exchanges.
05	`get_latest_quotes`	Pulls real-time best available bid and ask quotes for a given asset pair.
06	`get_exchange_rates`	Fetches the current exchange rate between any two crypto or fiat currencies.
07	`get_specific_rate`	Gets a precise exchange rate for a specific, known pair of assets.
08	`list_symbols`	Lists all supported trading symbols, allowing you to filter by criteria like asset type or exchange.
09	`get_latest_trades`	Retrieves a feed of the most recent executed trades on an exchange for tracking volume and price movement.

See It in Action

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

U What's the current market depth for ETH/USD on Coinbase versus Kraken?

Coinbase
- Bids: $3,490.50 (Qty: 120 ETH)
- Asks: $3,491.80 (Qty: 80 ETH)

Kraken
- Bids: $3,490.10 (Qty: 95 ETH)
- Asks: $3,492.20 (Qty: 150 ETH)

The gap is tightest on Coinbase for bids right now.

U Show me the daily price movement and current rate for Bitcoin.

BTC/USD Price Snapshot
- **Daily OHLCV (Past 24h):** Open: $65,000 | High: $66,100 | Low: $64,800 | Close: $65,950 | Volume: 3.1M BTC
- **Current Rate:** Bitcoin is trading at approximately **$65,920**.
- This shows a strong upward trend today.

U What were the last few trades for Solana and what are the supported assets?

Recent SOL Trades (Binance)

TIME	PRICE	SIZE
10:15:22	$145.20	250
10:15:20	$145.25	50
10:15:18	$145.30	100

Supported Assets: The MCP currently tracks over 60 fiat and crypto assets, including ETH, BTC, SOL, ADA, and USD.

Frequently Asked Questions

01 **How does the CoinAPI MCP help me compare prices across different exchanges?**

It aggregates data from dozens of sources into one feed. Instead of visiting multiple sites, you can ask your agent to pull both the latest quotes and order book depth for a single asset across several major exchanges simultaneously.

02 **Can I use CoinAPI MCP to analyze historical price trends?**

Yes. You can easily request detailed OHLCV records, specifying timeframes like daily or weekly. This lets you build back-tests and study patterns that simple real-time pricing misses.

03 **Is CoinAPI MCP only for crypto trading?**

No. While focused on crypto, the platform supports various fiat currencies as well. You can use it to track exchange rates between any two supported fiat or crypto assets.

04 **What if I need data from a niche asset not listed?**

If the asset isn't in the supported list, you won't be able to get data. Always check the full list of available assets using the MCP before building complex analyses.

05 **Does CoinAPI MCP require me to write custom code?**

No. The point of connecting this MCP is that you don't have to write any API calls or scripting. You just talk to your agent in natural language, and it uses the tools behind the scenes.

06 **Does CoinAPI MCP handle multiple assets at once?**

Absolutely. You can ask for rates, order books, and historical data for several different crypto assets (like ETH, SOL, and BTC) in a single conversation prompt.

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 `"coinapi": { "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

CoinAPI 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

INDEPENDENT PLATFORM DISCLAIMER

Vinkius is an independent platform and is not affiliated with, endorsed by, sponsored by, verified by, or otherwise authorized by CoinAPI. All third-party trademarks, logos, and brand names are the property of their respective owners. Their use in this document is strictly for informational purposes to identify service compatibility and interoperability.

DOCUMENT INFORMATION

Generated	June 2026
MCP Server	CoinAPI MCP
Server ID	`019d8428-28e2-73fe-81ec-b9523bf18290`
Platform	Vinkius Cloud for AI Agents
Endpoint	`https://edge.vinkius.com/{token}/mcp`

LICENSE & USAGE

This document is generated automatically by the Vinkius PDF Engine. Content reflects the MCP server configuration at the time of generation and may change as updates are deployed. For the most current information, visit vinkius.com/mcp/coinapi.