

MCP SERVER

NO CODE

CLOUD HOSTED

CoinGecko MCP for AI Agents

Track Real-Time Crypto Prices and Global Market Metrics

CoinGecko enables your AI agent to pull real-time crypto market data, including current prices for multiple coins in various fiat currencies. It lets you query global statistics like total market cap and 24h volume, search through exchanges or categories, and track the top trending digital assets directly from chat.

A+ Quality Score 100/100

cryptocurrency

market-data

price-tracking

market-cap

fiat-conversion

real-time-data



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.

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.

CoinGecko MCP

8 tools available

Cloud-hosted on Vinkius

This CoinGecko MCP connects your AI client to a massive database of crypto market data. You don't have to open a web browser or copy-paste figures anymore; you just ask your agent for what you need. For example, asking 'What's the current price of Ethereum in dollars and euros?' gets an immediate, structured answer. Need to know which coins are gaining traction? Your agent can pull trending assets from the last 24 hours instantly. The tool also lets you check global stats—things like total market cap or BTC dominance—which is crucial for high-level analysis. By connecting this MCP via Vinkius, your AI client gains access to a robust source of truth about crypto prices and market rankings, making deep research simple.

Core Capabilities

01 — Get Cryptocurrency Details

Retrieves specific, detailed information for any single cryptocurrency you name.

03 — Query Real-Time Prices

Provides the current price for one or more cryptocurrencies, converting them into different fiat currencies.

05 — List Market Categories or Exchanges

Gathers comprehensive lists of available crypto categories or major exchanges for research purposes.

02 — Check Global Market Stats

Pulls aggregate data like total market cap and 24-hour volume across the entire crypto ecosystem.

04 — Identify Trending Assets

Lists coins that have seen high interest and movement within the last 24 hours.

06 — Search Crypto Assets by Keyword

Finds specific coins, exchanges, or market segments using simple keyword searches.

One Click on Vinkius — From Prompt to Execution

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

- 01** First, you connect the CoinGecko MCP to your preferred AI client through Vinkius and provide your API key.
- 02** Next, you prompt your agent naturally, asking a question like 'What is the current market cap for Bitcoin?'
- 03** The agent executes the necessary function call, retrieves structured data, and presents the answer directly in the chat interface.

The bottom line is that it makes complex crypto research as simple as having a conversation with your AI client.

Built For

This MCP is built for financial analysts, quantitative researchers, and serious crypto traders. It's for anyone who gets frustrated by jumping between multiple data dashboards just to compile one report or check live prices across different time zones.

Crypto Analyst

Needs to pull fundamental market metrics—like global market cap, BTC dominance, and category breakdowns—to build comprehensive research reports.

Quantitative Researcher

Uses the tool to quickly check real-time price movements for multiple coins across several fiat currencies without writing complex scripts.

Digital Asset Trader

Checks trending assets and specific coin details instantly from a chat interface to make fast, data-backed decisions on volatile markets.

What Changes When You Connect

- 01** Check real prices instantly: Instead of visiting multiple exchange sites, you simply ask your agent to get the current price for any crypto in USD or EUR using `get_price`.

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- 02** Access global snapshots: Use `get_global_data` to pull total market cap and 24h volume in one prompt. This is essential when compiling macro-economic reports.
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- 03** Stay ahead of trends: The `get_trending` tool shows you which coins are moving fast, letting you focus your research immediately on high-interest assets.
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- 04** Comprehensive data sources: Need to know what's out there? Use `list_categories` or `list_exchanges` to get a full directory before diving into specific asset analysis.
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- 05** Efficient deep dives: If you need granular info, use `get_coin_details`. It pulls everything on a single coin—from its name to its market stats—without requiring multiple lookups.
-

Real-World Applications

Analyzing Market Sentiment After an Event

A trader needs to know how Bitcoin reacted immediately after a major regulatory announcement. They prompt their agent, and it uses `get_price` to show the price fluctuation in real-time against historical data, allowing for quick assessment of market panic or stability.

Researching New Investment Verticals

A developer wants to see what's popular outside of Bitcoin. They use `list_categories` to get a list of niche sectors (like DeFi or NFTs) and then ask for the top trending coins in that area using `get_trending`.

Building a Comprehensive Portfolio Report

An analyst must write a report comparing top assets. They use `list_markets` and then query the global stats via `get_global_data` to provide context, ensuring their report has both individual coin data and macro market health metrics.

Verifying Exchange Availability

A new user needs to know where they can trade assets. They use `list_exchanges` first, and if they are interested in a specific coin not listed, they use `search_crypto` to confirm its availability.

Patterns to Avoid

Treating it like a simple search bar

✗ AVOID

Asking the agent 'BTC price' and expecting just one number. This misses vital context like market cap or fiat conversion.

✓ INSTEAD

You need to be specific. Ask the agent to run ``get_price`` for Bitcoin, specifying both USD and EUR to get a complete picture of its current value.

Overlooking global context

✗ AVOID

Analyzing one coin's price in isolation without knowing if the whole market is up or down. This leads to bad conclusions.

✓ INSTEAD

Always check the big picture first. Before looking at any asset, run ``get_global_data`` to understand the total market cap and 24h volume.

Ignoring available listings

✗ AVOID

Manually guessing if a new coin is tracked or where it trades without checking official lists.

✓ INSTEAD

Use ``list_exchanges`` to get the official directory of trading venues, and use ``search_crypto`` to verify that any unknown asset exists in the database.

The Right Fit

You should use this MCP if your workflow involves checking multiple crypto prices, analyzing global market health metrics (like total market cap), or compiling reports on coin rankings. It's perfect for analysts and traders who need fast, structured data feeds.

Don't rely on it if you only need to know the price of one asset once a month; that's overkill. If your goal is purely academic research into historical price charts spanning years, dedicated charting software is better than this MCP. If you are building an internal system and just need basic name lookups, a simple database might suffice—but if you need *live* market data, use CoinGecko.

CoinGecko MCP for AI Agents: Solving Crypto Price Tracking Pain

Manual crypto research is painful. You end up jumping between multiple exchange websites, opening dozens of tabs, and copying prices into a spreadsheet just to compile a single report on market health. You waste hours just gathering the raw data.

With this MCP, you simply ask your agent for the required metrics, whether it's getting the current price in multiple currencies or running `get_global_data` for total volume. The punchline is that you get structured, consolidated insights instantly.

CoinGecko MCP for AI Agents: Identifying Market Trends and Categories

Before this tool, finding out which crypto sectors (like DeFi or NFTs) were gaining steam meant manually sifting through forum posts and articles. You couldn't easily cross-reference sector popularity with current market cap data.

Now you can use `list_categories` to see the full landscape, then ask your agent to pull the top trending assets using `get_trending`. It changes everything because you get actionable data about where investor interest is actually flowing.

CoinGecko: 8 Tools for Crypto Price & Market Data

Use these tools to pull everything from specific coin details to massive global market statistics, all within a single chat session.

#	TOOL	DESCRIPTION
01	<code>get_coin_details</code>	Pulls comprehensive information for one specified cryptocurrency, detailing its background and stats.
02	<code>get_global_data</code>	Retrieves high-level market metrics like total market capitalization and overall 24h volume.
03	<code>get_price</code>	Checks the current trading price for one or more cryptocurrencies, including fiat conversions.
04	<code>get_trending</code>	Lists which crypto assets are currently gaining attention and volume in the last day.
05	<code>list_categories</code>	Provides a full list of all defined cryptocurrency market categories available for research.
06	<code>list_exchanges</code>	Gathers a directory of major exchanges where crypto assets can be traded.
07	<code>list_markets</code>	Lists many coins and provides detailed market data for each one in bulk.
08	<code>search_crypto</code>	Searches across all coin names, exchange listings, or categories using a simple keyword query.

See It in Action

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

U What are the current prices of Ethereum and Dogecoin in USD, GBP, and CAD?



Here's a snapshot of those coins:

COIN	SYMBOL	USD PRICE	GBP PRICE	CAD PRICE
Ethereum	ETH	\$3,500.21 (+2.1% 24h)	£2,890.55 (+2.1% 24h)	\$5,700.11 (+2.1% 24h)
Dogecoin	DOGE	\$0.133 (+1.5% 24h)	£0.098 (+1.5% 24h)	\$0.214 (+1.5% 24h)

Data current as of chat time.

U Show me the overall market stats, including total market cap and BTC dominance.



Global Crypto Market Overview

 **Total Market Cap:** \$2.61 Trillion (+1.9% 24h)

 **24 Hour Volume:** \$105.5 Billion

 **BTC Dominance:** 53.4%

 **ETH Dominance:** 17.1%

The market remains highly liquid, showing strong overall growth.

U What are the top three trending assets right now and what category do they belong to?



Top Trending Assets (Last 24 Hours)

The highest volume movers include:

1. **Solana (SOL):** Category - Layer 1 Protocol
2. **Jupiter (JUP):** Category - DeFi/Exchange Token
3. **Pepe (PEPE):** Category - Memecoin

These coins show significant buying pressure, suggesting high current interest.

Frequently Asked Questions

01 Can I use the CoinGecko MCP to check prices in multiple fiat currencies?

Yes. The CoinGecko MCP allows you to pull real-time pricing for any coin and convert it into several different major world currencies simultaneously, saving you from manual conversion work.

02 How do I find out which crypto coins are currently gaining the most attention?

You can use the MCP to pull a list of trending assets. This function shows you the coins with the highest trading volume and interest over the past 24 hours, helping you focus your research instantly.

03 What is the best way to compare Bitcoin against Ethereum's market cap?

The MCP lets you check global statistics. You can use the dedicated tool to retrieve aggregate data that includes both total market capitalization figures, giving you a direct comparison point for major assets.

04 Does CoinGecko MCP help me research new crypto categories?

Absolutely. The MCP provides lists of all defined cryptocurrency categories and exchanges. You can list these out to map the entire industry landscape before you invest time in a specific asset.

05 Is this better than just using Google for live market data?

Yes, because it's structured. Instead of getting varied web results, your AI client gets clean, actionable JSON-like data that is ready to be used in a report or calculation right away.

06 Can I use CoinGecko MCP for my automated trading workflows?







You can. The structured outputs from the MCP are designed for agents and developers, meaning your automation pipelines can reliably ingest live price feeds to trigger actions or update dashboards.

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>"coingecko": { "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

CoinGecko 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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