

MCP SERVER

NO CODE

CLOUD HOSTED

Binance MCP for AI Agents

Analyze real-time cryptocurrency market data and trends

Binance (Crypto Market) MCP allows your AI agent to pull real-time crypto data directly from Binance's public feeds. Track current prices, analyze 24-hour market trends, identify top gainers and losers, and audit trading volumes across thousands of assets using natural conversation.

A+ Quality Score 100/100

cryptocurrency

market-data

trading-pairs

real-time-pricing

portfolio-monitoring

financial-analysis



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.

Binance (Crypto Market) MCP

7 tools available

Cloud-hosted on Vinkius

Managing a cryptocurrency portfolio used to mean hopping between multiple terminals, checking volatile price charts, and manually tallying volume reports. This MCP changes that. It connects your AI agent directly to Binance's public API, giving you full control over market research and asset monitoring through plain language prompts.

Need the current price of ETHUSDT along with its 24-hour trend? Just ask. Want to know which coins are seeing massive volume right now? The MCP lists them instantly. You can analyze historical price action by extracting candlestick data for specific time frames or compare multiple assets side-by-side to see who's really outperforming. By connecting this resource through Vinkius, you get deep market intelligence without ever leaving your AI workflow.

Core Capabilities

01 — Get real-time prices and 24h performance

Retrieves the current price of any cryptocurrency pair in USDT along with its percentage change over the last 24 hours.

03 — List top traded assets by volume

Identifies the most actively traded cryptocurrency pairs in real time by ranking them based on 24-hour USDT volume.

05 — Compare multiple cryptocurrencies

Runs a side-by-side analysis of up to ten different coins, grading their relative performance and 24h changes.

07 — Calculate price volatility and trend

Analyzes a crypto pair's historical data to compute its amplitude, general trend direction, and bull/bear ratio.

02 — Audit full market statistics

Gathers complete 24-hour statistics for a crypto pair, including trade volume, high/low prices, and total trading count.

04 — Analyze historical price charts (OHLCV)

Pulls candlestick data for a specific pair across various time intervals, letting you map out past price movements.

06 — Identify top market gainers and losers

Filters the market to show the cryptocurrencies that have gained or lost the most value within the last 24 hours.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/binance-crypto-market — connect your AI agent in three steps.

- 01 Subscribe to this MCP on Vinkius.
- 02 Because it uses Binance's public REST endpoints, no special credentials are required from your side.
- 03 Start asking your AI agent for market data—whether in Claude, Cursor, or any compatible client.

The bottom line is you get live crypto market metrics woven into your natural conversation flow.

Built For

This MCP is built for professionals who spend time analyzing financial assets. It helps the trader who needs instant price checks without opening a separate app, or the analyst who has to synthesize performance data across dozens of pairs quickly.

Crypto Trader

Uses the MCP to monitor real-time prices and check top gainers/losers in 24 hours so they don't miss sudden market shifts.

Financial Analyst

Runs deep comparisons between multiple assets, auditing trading volumes across numerous pairs using natural language prompts for reports.

Portfolio Manager

Tracks the value of a diverse mix of digital assets by verifying real-time price action and historical trends directly within their workspace.

What Changes When You Connect

- 01 Know the immediate status of any asset. Instead of opening a chart, use `get_price` to instantly get a pair's current price and its 24h trend.

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- 02** Audit comprehensive market health using `get_ticker`. You get more than just the price; you see high/low spreads and total volume for deeper analysis.

 - 03** Quickly spot where liquidity is moving by running `list_market`, which shows the top traded pairs ranked by real-time 24h volume.

 - 04** Deep dive into history with `get_candles`. You can pull OHLCV data for any pair across multiple intervals to build custom historical charts.

 - 05** Benchmark assets effortlessly using `compare_coins`. See how several coins stack up against each other on price, change, and relative performance in one view.

 - 06** Monitor market risk by calling `get_volatility`. This tool computes the spread and trend direction of a pair over time so you know if it's stable or risky.
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Real-World Applications

Checking for unexpected market shifts

A trader notices an asset they follow has been quiet. They ask their agent to run `list_movers` and immediately see that the asset isn't even in the top 20 gainers or losers, signaling a potential liquidity drought.

Investigating recent extreme volatility

An analyst suspects a pair has been manipulated. They run `get_volatility` to analyze the historical amplitude percentage and determine if the spread suggests abnormal risk levels.

Comparing two rivals for investment

A portfolio manager needs to decide between Bitcoin and Ethereum. They use `compare_coins`, getting a side-by-side report on price performance, 24h change, and relative strength immediately.

Getting an overview of current market interest

A user wants to know what everyone is talking about today. They use `list_market`, which instantly provides a ranked list of the top 10 coins by trading volume.

Patterns to Avoid

Only asking for simple price checks

X AVOID

Prompting: 'What is the current BTC price?' This only gives one number and no context, making it hard to assess if the price move was normal or extreme.

✓ INSTEAD

To get a full picture, ask your agent to use `get_ticker`. That provides not just the current price, but also the 24-hour high/low range and total trade volume.

Trying to compare too many coins

X AVOID

Listing over ten symbols in a single request. The system will fail or only process the first few, leading to an incomplete market view.

✓ INSTEAD

Keep your comparison tight. Use `compare_coins` for up to 10 specific assets. This ensures you get an accurate and detailed side-by-side performance report.

Using simple chat when deep history is needed

X AVOID

Asking, 'How did BTC perform last week?' A basic prompt only gives a summary, not the granular data required for technical analysis.

✓ INSTEAD

For proper analysis, you must use `get_candles`. Specify the time interval (like 4h or 1d) and limit to extract accurate OHLCV data points.

The Right Fit

Use this MCP if your workflow requires continuous, deep financial auditing of cryptocurrency markets. It excels when you need to compare multiple assets against each other (using `compare_coins`) or analyze historical performance over time using candlestick extraction. Don't use it if you just need a simple stock quote; for that, a basic price tool is fine. However, if your goal is broad market discovery—finding out which coins are moving the most right now—then `list_movers` is essential. If you only care about one asset's current status, `get_price` works, but remember it lacks the full context provided by calling `get_ticker`.

Binance MCP for AI Agents: Analyzing Crypto Market Trends

Right now, auditing crypto market trends is a nightmare. You have to open Binance, click on different pairs, manually copy the 24-hour volume numbers into a spreadsheet, and then jump between charts to see historical OHLCV data. It takes minutes just to compile basic intelligence.

With this MCP, you simply ask your agent to generate a market overview. It runs `list_market` for the top coins by volume and simultaneously pulls `get_ticker` data for those same assets, giving you an immediate, comprehensive report on activity and liquidity.

Binance MCP for AI Agents: Comparing Crypto Performance

When deciding between two or three coins, the old way involved opening separate charts for each asset, manually pulling data points, and doing complex side-by-side comparisons in a spreadsheet. It's tedious and prone to human error.

Now, you just prompt your agent to run `compare_coins`. You get an instant, structured report that grades performance, showing exactly which coin is outperforming the others without any manual data stitching.

Binance (Crypto Market): 7 Tools for Crypto Data Analysis

Use these seven specific tools to pull everything from current price checks to deep historical candlestick data, making advanced financial analysis simple.

#	TOOL	DESCRIPTION
01	<code>get_price</code>	Gets the current price of any crypto pair in USDT, plus its 24-hour change percentage.
02	<code>get_ticker</code>	Retrieves full 24-hour statistics for any cryptocurrency pair on Binance, including volume and high/low data.
03	<code>list_market</code>	Returns a ranked list of the top cryptocurrencies by their current 24-hour trading volume in USDT.
04	<code>get_candles</code>	Generates OHLCV candlestick data for a pair over specified time intervals and limited historical periods.
05	<code>compare_coins</code>	Compares multiple selected cryptocurrencies side-by-side, ranking them by 24h performance and change percentage.
06	<code>list_movers</code>	Gets the top coins that gained or lost value in the last 24 hours based on their trading volume.
07	<code>get_volatility</code>	Analyzes a crypto pair's price fluctuations to calculate its amplitude, trend direction, and bull/bear ratio over historical periods.

See It in Action

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

U What's happening with Bitcoin and Ethereum today? Compare them.



Market Comparison Report

METRIC	BTCUSDT (BITCOIN)	ETHUSDT (ETHEREUM)
24h Change	+1.8%	-0.5%
Volume Rank	#1 (High Liquidity)	#3 (Strong Flow)
Verdict	Top Performer	Average

BTC is showing better momentum today, while ETH remains stable.

U Show me the top 5 coins that moved the most in the last day.



Top Gainers & Losers (Last 24h)

↑ Top 3 Gainers:

- PEPEUSDT: +15.2% (Volume: \$8M)
- SOLUSDT: +9.1% (Volume: \$1.2B)
- RNDRUSDT: +7.8% (Volume: \$4.5M)

↓ Top 3 Losers:

- DOGEUSDT: -6.0% (Volume: \$90M)
- MANAUSD: -4.2% (Volume: \$10M)
- LTCUSDT: -2.1% (Volume: \$75M)

U What are the 3 best assets to track by volume right now?



Top 3 Traded Pairs by Volume

Based on the last 24 hours, here are the market hotspots:

1. **BTCUSDT**: \$2.5 Billion (Highest liquidity)
2. **ETHUSDT**: \$1.8 Billion (Consistent trading flow)
3. **SOLUSDT**: \$950 Million (High activity and momentum)

These pairs represent the most active segments of the market.

Frequently Asked Questions

01 How do I check the current price of any crypto pair using Binance MCP?

You just ask your agent for the specific pair, like 'What is the current price of Solana?' The MCP uses `get_price` to deliver the real-time quote and its 24-hour trend percentage instantly.

02 Can I use Binance MCP to compare multiple coins at once?

Yes. Use the MCP to run a comparison of any two or more assets simultaneously using `compare_coins`. It gives you a structured report on their relative performance and changes, saving you from opening many tabs.

03 Is Binance MCP better than just checking my trading dashboard?

It's much faster and deeper. While dashboards show data, the MCP lets your AI agent analyze that data for you—for example, automatically identifying top losers using `list_movers` without any manual sorting.

04 How do I see historical price charts with Binance MCP?

You use the `get_candles` tool. You need to specify the pair and the time interval (like 1h or 1d). The agent returns OHLCV data, which is perfect for technical analysis.

05 What kind of market data can Binance MCP provide?







It provides everything from simple current pricing to complex volatility metrics. You can audit volume trends via `list_market` and assess risk using `get_volatility`'s amplitude calculations.

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>"binance-crypto-market": { "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

Binance (Crypto Market) 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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