MCP SERVER | NO CODE | CLOUD HOSTED

Binance MCP for AI Agents

Analyze real-time cryptocurrency prices and trading volume data

The Binance MCP connects your AI client directly to real-time cryptocurrency market data from the world's largest exchange. Get current prices, analyze deep order books, and view historical candlestick charts—all without needing an API key for public information.

A+ Quality Score 100/100

cryptocurrency | market-data | order-book | trading-pairs | real-time-price | financial-statistics

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vinkius.com/mcp/binance

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.

Binance MCP

8 tools available
Cloud-hosted on Vinkius

Need crypto market data fast? This MCP lets you talk to Binance using natural conversation. You can ask your agent for the latest price of any pair or dive into a massive order book showing thousands of bids and asks. It pulls in 24-hour statistics, tracks recent trades, and generates candlestick charts across over fifteen timeframes—everything needed for deep analysis.

Because this MCP handles public market data without requiring an API key, you can use it immediately with any compatible client. You'll get access to all these powerful financial tools right through Vinkius, the #1 catalog of connected services. This means your AI agent becomes a dedicated trading terminal, giving you immediate insight into price action and volume trends.

Core Capabilities

01 — Get current market metrics

Retrieves vital 24-hour statistics for any pair, including the last price, daily change percentage, high/low range, and total trade count.

02 — Analyze market depth

Accesses the current order book, allowing you to see up to 5000 levels of bids (buy orders) and asks (sell orders) for a pair.

03 — View historical price charts

Pulls OHLCV (Open, High, Low, Close, Volume) data across many timeframes—from 1 minute to 1 month—for technical analysis.

04 — Track recent activity

Streams the latest individual and aggregated trades that happen on the exchange in real-time.

05 — Check overall market rules

Returns comprehensive information about all available trading pairs, their status, and specific market filtering rules.

One Click on Vinkius — From Prompt to Execution

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

01 Subscribe to this MCP on Vinkius. Your AI client immediately gains access to the Binance data stream.

02 Ask your agent a question, like 'What's the 24h volume for SOL/USDT?' or 'Show me the order book depth.'

03 The MCP executes the request and sends back clean, structured market data that your AI client uses to formulate a clear answer.

The bottom line is you talk to your agent like talking to a colleague, and it handles all the complex crypto API calls in the background.

Built For

Any professional who needs rapid, reliable access to financial market data will benefit. This MCP targets quantitative analysts stuck manually checking multiple dashboards, day traders needing immediate order book depth, and developers building crypto-focused applications.

Quantitative Analyst

Uses the MCP to pull historical candlestick data across various timeframes and calculate rolling statistics for backtesting trading models.

Day Trader

Relies on real-time order book analysis and recent trade feeds to identify immediate support/resistance levels and market momentum.

Fintech Developer

Integrates the MCP into dashboards or bots, using its raw data access to display exchange information without needing dedicated authentication credentials.

What Changes When You Connect

01 Get a complete market picture instantly. Use `get_24h_ticker` to see the 24-hour change, high/low range, and total trade count for any pair.

02 Deep dive into liquidity analysis. The `get_order_book` tool lets you visualize bids and asks up to 5000 levels deep, helping identify market depth and spread.

03 Build comprehensive charts. Use `get_klines` to pull OHLCV data across fifteen timeframes—ideal for technical analysis and charting comparisons.

04 Monitor immediate action. The `get_trades` function provides a stream of individual trades, showing exactly who was the maker or taker in recent market movements.

05 Understand the ecosystem. Running `get_exchange_info` lets you map out every trading pair, status, and rule available on the entire exchange.

Real-World Applications

Checking general market health after a weekend gap

A trader asks their agent for the overall BTC/USDT metrics. The agent uses `get_24h_ticker` and summarizes the 24-hour price change, volume, and range, giving an immediate assessment of volatility.

Identifying potential entry points in a stable pair

An analyst asks to see the order book for ETH/USDT. The agent uses `get_order_book` to show the best bids and asks, allowing the user to assess if liquidity is thin or deep.

Comparing price action across timeframes

A quant analyst wants to see how SOL/USDT performed over 30 days. The agent uses `get_klines` with a daily interval, providing the necessary OHLCV data for charting and pattern recognition.

Debugging automated trading bots

A developer needs to confirm all available pairs for a new bot feature. They use `get_exchange_info` to retrieve a complete list of symbols, rules, and asset types without running the bot.

Patterns to Avoid

Assuming data availability

✗ AVOID

Asking for trades that happened yesterday or using an API endpoint name you read somewhere else. The system fails because historical depth is limited.

✓ INSTEAD

Always use `get_klines` when requesting specific time ranges with a start and end timestamp, ensuring your request fits within the tool's supported date range.

Overloading a single call

✗ AVOID

Trying to get every piece of data (24h stats, order book, trades) in one massive prompt. The agent gets confused and returns fragmented results.

✓ INSTEAD

Break down the request into specific steps. First, use `get_24h_ticker` for an overview, then follow up with a targeted call to `get_order_book`.

Ignoring pair specificity

✗ AVOID

Asking 'What are the recent trades?' without naming a trading pair. The agent can't execute and fails to provide any data.

✓ INSTEAD

Always specify the exact trading pair (e.g., BTC/USDT) in your request, whether you use `get_trades` or `get_order_book`.

The Right Fit

Use this MCP if your primary need is accessing raw, public market data from a major exchange—things like OHLCV charts, real-time order book depth, and 24h metrics. It's perfect for analysts who build dashboards or developers writing bots that only consume non-private data.

Don't use this if you need to execute trades (like placing an actual buy/sell order) or access private user account information; the MCP is read-only for public data. If your goal involves complex portfolio management across multiple assets, consider integrating a dedicated account service instead.

Binance MCP: Analyzing real-time crypto market depth and liquidity

Today, analyzing true market depth means clicking through multiple exchange tabs or running complex scripts just to see the best bids and asks. You spend time trying to piece together a picture of where major buy and sell walls exist.

With this MCP, you simply ask your agent for the order book. It immediately pulls up deep liquidity data—showing thousands of levels of pending orders—allowing you to assess market support and resistance in seconds.

Binance MCP: Calculating 24h crypto price volatility metrics

Before this, getting a full picture of a pair's daily movement required pulling separate data sets for high/low points, volume totals, and percentage changes. This was tedious copy-pasting across multiple browser windows.

Now, a single prompt asks the MCP to calculate the 24h ticker metrics. You get one clean summary that tells you everything about the pair's performance in a single glance.

8 Tools in the Binance MCP for Crypto Market Data Analysis

These tools let your agent fetch everything from live price tickers to deeply structured candlestick data and market rules.

#	TOOL	DESCRIPTION
01	`get_24h_ticker`	Calculates a market overview by providing the last price, 24-hour percentage change, high/low range, and total volume.
02	`get_server_time`	Provides the current Unix timestamp in milliseconds and an ISO string for synchronizing data timestamps.
03	`get_agg_trades`	Retrieves compressed trade records, which is more efficient than getting individual trades when dealing with high-volume pairs.
04	`get_exchange_info`	Lists all available trading pairs and details the exchange's rules, order types, and filtering options.
05	`get_klines`	Fetches detailed candlestick (OHLCV) data for a pair across multiple time intervals, from 1-minute to monthly.
06	`get_order_book`	Grabs the current order book, showing specific prices and quantities of pending bids and asks up to 5000 levels deep.
07	`get_ticker_price`	Delivers the fastest possible data by returning the symbol and its most recent price across all or specified pairs.
08	`get_trades`	Gathers a list of individual, recent trades for a pair, including details about whether the buyer was the market maker.

See It in Action

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

U Give me the current stats for Bitcoin and show me its order book.

BTC/USDT Market Snapshot

- **24h Change:** +3.1% (+$7,900)
- **Volume:** 15M BTC ($1.1T)
- **Range:** Low $68k / High $85k

Order Book Depth (Top Levels)

Bid Price	Quantity
$84,900	12.5 BTC
$84,850	30 BTC
Best Ask: $85,000 (Targeting liquidity)	

U What were the latest trades on ETH/USDT?

Recent Trades for ETH/USDT

- **Total Trades Fetched:** 12 last minutes
- **Highest Price:** $3,502.10 (Maker: Yes)
- **Lowest Price:** $3,498.55 (Maker: No)

Here are the three most recent trades:
1. $3,502.10 @ 12 ETH (Timestamp: ...)
2. $3,499.00 @ 5 BTC (Timestamp: ...)
3. $3,501.55 @ 8 ETH (Timestamp: ...)

U Show me the daily candlestick chart data for SOL/USDT over the last week.

SOL/USDT Weekly Candlestick Data

DATE	OPEN	HIGH	LOW	CLOSE	VOLUME
Wk-1	$150.20	$165.80	$149.10	$163.10	7M SOL
Wk-2	$163.10	$170.50	$162.00	$168.90	9M SOL
Wk-3	$168.90	$175.10	$167.50	$174.20	11M SOL

Frequently Asked Questions

01 **How do I check real-time prices and order books with Binance MCP for AI Agents?**

You simply ask your agent what you need. It handles the connection to Binance's live feed, pulling in current bids/asks and instant pricing data so you don't have to visit the exchange site repeatedly.

02 **Does Binance MCP support historical crypto charts for analysis?**

Yes, it does. You can request candlestick (OHLCV) data across various timeframes—from minutes up to monthly intervals—to build comprehensive technical analyses in your agent workflow.

03 **Do I need an API key to use the Binance MCP for AI Agents?**

No. This MCP is designed specifically so you don't have to worry about keys. It accesses public market data directly, making setup much faster and easier.

04 **Can I track crypto volume changes with Binance MCP for AI Agents?**

Absolutely. You can use the tool to get 24-hour statistics that include total volume (base and quote), high/low ranges, and a count of all trades in that period.

05 **Is this good for building crypto dashboards?**

Yes. Because it provides structured access to pairs, exchange info, and real-time tickers, developers can use the MCP data stream directly into their own custom dashboard applications.

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 `"binance": { "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

Binance 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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