MCP SERVER | NO CODE | CLOUD HOSTED

Kraken MCP

Analyze real-time crypto market data on demand.

Kraken MCP gives your agent real-time access to crypto market data from Kraken exchange. Get live prices, analyze order books, view OHLC charts across multiple timeframes, and check recent trade history—all through conversation. No API keys are needed for public data.

A+ Quality Score 100/100

cryptocurrency-exchange | market-data | ohlc-data | order-book | trading-pairs | real-time-price

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vinkius.com/mcp/kraken

SCAN TO VIEW

The infrastructure that powers AI agents in the real world.

Vinkius connects AI to the world's software through secure, enterprise-grade infrastructure — enabling real-world execution at scale, built on the Model Context Protocol (MCP).

Your AI Connections Run Through Vinkius Cloud

The world's largest managed MCP catalog

Vinkius is the cloud infrastructure where AI agents connect 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.

Kraken MCP

8 tools available
Cloud-hosted on Vinkius

You can use this MCP to pull deep, current cryptocurrency metrics directly into your workflow. Forget switching between dashboards or running manual queries just to see the market depth. Your agent treats Kraken like a live data feed, letting you ask complex questions about trading pairs and get instant answers.

It lets you analyze historical trends by pulling detailed candlestick data for any pair, giving you everything from 1-minute candles up to 15-day charts. Need to gauge how liquid the market is? You can check the current order book or analyze recent bid/ask spread changes. This ability to pull raw, granular data via natural language makes it incredibly powerful. When you connect this MCP through Vinkius, your AI client gains a robust financial layer, letting you build complex reports and analyses without ever touching an API key. It's pure market intelligence, delivered when you need it.

Core Capabilities

01 — Check current asset pricing

Get the best bid/ask prices, last trade price, 24-hour volume metrics, and high/low ranges for specific crypto pairs.

02 — Analyze market depth and liquidity

View the current order book levels to see exactly how many bids and asks are placed at different prices.

03 — Track historical price movements

Retrieve comprehensive OHLC candlestick data for a trading pair across various time intervals, from minutes to weeks.

04 — Review recent transaction activity

See the most recent completed trades, including who bought or sold and at what price.

05 — Assess trading costs and spreads

Get data on the bid/ask spread over time to analyze immediate liquidity conditions for a pair.

One Click on Vinkius — From Prompt to Execution

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

01 Subscribe this MCP to your Vinkius catalog connection.

02 Your AI client processes your request and identifies the necessary data points (e.g., OHLC, Ticker).

03 The agent invokes the specific tool in this MCP, which pulls real-time crypto market data from Kraken's public feeds and returns a clean result to you.

The bottom line is that your AI client gets direct, conversation-based access to financial data it would otherwise require complex coding to retrieve.

Built For

This MCP is for anyone whose day revolves around market movement and deep data analysis. If you're a quantitative analyst who spends hours manually compiling chart data, or a developer building crypto dashboards that need live feeds, this saves serious time.

Quantitative Analyst

Using the MCP to pull OHLC candles and spread data across dozens of pairs to spot arbitrage opportunities before they appear on standard charting platforms.

DevOps Engineer (FinTech)

Integrating real-time ticker information into automated monitoring dashboards, eliminating the need for constant API key management during development testing.

Crypto Trader

Checking current order book depth and recent trades instantly to confirm market sentiment or gauge immediate selling pressure before placing a trade.

What Changes When You Connect

01 You don't need to manually pull charts. By calling get_ohlc, you can instantly compare the historical performance of ETH/USD against BTC/USD across 4-hour and 15-day timeframes.

02 Stop guessing about liquidity. Use get_order_book to see exactly where the bids and asks sit right now, giving you a true sense of market depth beyond just the last traded price.

03 Rapidly check multiple pairs. The get_ticker tool lets your agent pull 24-hour volume and VWAP for several assets in one query, saving minutes of tab switching.

04 Understand transaction flow. By using get_trades, you review actual buy/sell activity, determining if recent price changes were due to few large orders or steady retail buying.

05 Compare costs instantly. The get_spread tool analyzes the current bid and ask gaps, helping you determine if a pair is worth trading right now based on immediate costs.

Real-World Applications

Evaluating an investment opportunity

A quant analyst asks their agent: 'Show me the 1-hour OHLC data for ADA/USD and check its spread over the last hour.' The MCP uses get_ohlc and get_spread to provide a side-by-side comparison, allowing the analyst to instantly assess both price action and trading friction.

Debugging a market feed

A developer needs to verify if their dashboard is connecting correctly. They ask for the get_server_time and then compare it against local time, confirming synchronization before pulling live data using get_ticker.

Assessing short-term market pressure

A trader asks: 'What were the last 50 trades for SOL/USD?' The agent uses get_trades to list recent activity, allowing the trader to see if large sell orders just hit the book.

Planning a pair comparison

A researcher needs to compare asset details. They use get_asset_pairs first to confirm all necessary trading pairs are available and then request general info using get_asset_info for collateral validation.

Patterns to Avoid

Assuming historical data is real-time

✗ AVOID

Trying to run a query on old, cached OHLC data thinking it reflects the current market state.

✓ INSTEAD

Always verify the time first using get_server_time. Then, use get_ticker or get_order_book for the most immediate picture of price and depth.

Overlooking pair availability

✗ AVOID

Asking for a complex metric on a trading pair that doesn't actually exist or isn't listed by Kraken.

✓ INSTEAD

First, use get_asset_pairs to confirm the exact name and validity of the trading pair you plan to analyze.

Confusing raw data with analysis

✗ AVOID

Receiving a massive list of recent trades (get_trades) and not knowing how to interpret if it means high volume or just random activity.

✓ INSTEAD

Group the tool calls. After getting get_trades, ask your agent to summarize that by comparing the total volume against the 24h volume provided by get_ticker.

The Right Fit

Use this MCP if your core need is reading and analyzing public market data (prices, charts, order books). You want an AI agent to pull complex financial metrics—like OHLC candles or spreads—without you having to write boilerplate API calls. Don't use it if you need to actually execute a trade; this MCP only reads the market. If your goal is automated account management, balance checking, or placing limit orders, you need a different tool focused on transactional actions. This is purely for intelligence and analysis.

The Pain of Manual Market Data Checks

Right now, getting a full market picture means opening five different tabs: one for the ticker, one

With this MCP, you tell your agent what you need —say, 'Compare the spread and 4h candles for

for the order book, one for historical charts (OHLC), and two more to check recent trades. You're constantly copy-pasting values between spreadsheets and manually comparing spreads across pairs just to get an educated read on liquidity.

BTC and ETH.' The agent handles all those separate calls (get_spread, get_ohlc) in the background. It compiles everything into one readable answer; you just get the insight.

Getting Live Market Data with Kraken MCP

The manual steps of checking multiple timeframes, validating pair existence (get_asset_pairs), and cross-referencing trade volume are eliminated. Instead of a 10-minute process involving three different interfaces, it's one conversation.

You get immediate access to institutional-grade data points—like VWAP or deep order book levels—without ever needing developer credentials for public analysis.

Kraken: 8 Tools for Market Intelligence

Use these tools to gather every type of data you need, from current price snapshots to detailed historical candlestick analysis.

#	TOOL	DESCRIPTION
01	`get_asset_info`	Returns asset name, alternate names, decimals, status and collateral support. Optionally filter by specific assets (comma-separated). Get information about Kraken assets
02	`get_asset_pairs`	Returns pair name, alt name, base/quote assets, lot volume decimals, pair decimals, order minimums and trading leverage. Optionally filter by a specific pair. Get information about Kraken trading pairs
03	`get_ohlc`	Each candle includes time, open, high, low, close, VWAP, volume and trade count. Supports intervals: 1 (1min), 5, 15, 30, 60 (1h), 240 (4h), 1440 (1d), 10080 (1w), 21600 (15d). Optionally provide since timestamp for incremental data. Get OHLCV candlestick data for a trading pair
04	`get_order_book`	Each level includes price and volume. The count parameter controls the number of levels returned (1-500, default 100). Useful for analyzing market depth and liquidity. Get the current order book for a trading pair
05	`get_server_time`	Returns the Unix timestamp and RFC 1123 time. Useful for synchronizing with the exchange server and verifying API connectivity. Get Kraken server time
06	`get_spread`	Returns recent spreads with bid price, ask price, time (Unix timestamp) and volume. Useful for analyzing liquidity and trading costs. Get recent spread data for a trading pair
07	`get_ticker`	Returns best bid/ask prices, last trade price, 24h volume, VWAP, high/low prices and trade counts. Pair names can be standard (XBTUSD) or alt (BTCUSD). Multiple pairs comma-separated. Get current ticker information for trading pairs
08	`get_trades`	Each trade includes price, volume, time (Unix timestamp), side (buy/sell), order type (market/limit) and misc info. Returns up to 1000 most recent trades. Optionally provide since timestamp for pagination. Get recent trades for a trading pair

See It in Action

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

U What is the current price of Bitcoin in USD?

BTC/USD (XBTUSD): Last trade at $87,234.50. 24h high: $88,100, 24h low: $85,800. 24h volume: $1.2B. Best bid: $87,230, Best ask: $87,240. VWAP: $87,050.

U Show me the 1-hour OHLC for Ethereum over the last 24 candles.

ETH/USD 1H candles (last 24): Current candle open: $3,245, high: $3,260, low: $3,230, close: $3,252. 24h volume: $450M. The trend has been upward over the past 24 hours with a 1.8% gain from $3,195.

U What are the recent trades for SOL/USD?

Recent SOL/USD trades: $185.50 (buy, 12.5 SOL), $185.45 (sell, 8.2 SOL), $185.55 (buy, 25 SOL), $185.40 (sell, 15 SOL), $185.60 (buy, 5.3 SOL). Total volume in last 10 trades: ~250 SOL.

Frequently Asked Questions

01 **Does the Kraken MCP require an API key to check prices?**

No. For all standard public market data, like current tickers and OHLC candles, you do not need to provide an API key to use this MCP.

02 **How can I get historical candle data using the Kraken MCP?**

You call the get_ohlc tool. You specify the trading pair, the starting point (optional), and the desired interval, like 1h or 1d.

03 **What is the difference between get_ticker and get_order_book?**

get_ticker gives you summary metrics like the best bid/ask price, volume, and VWAP. get_order_book shows the actual list of bids and asks placed by users, detailing market depth.

04 **Can I check asset details with this MCP?**

Yes. You can use get_asset_info to pull general data about any supported cryptocurrency, confirming its status or collateral support before analyzing it further.

05 **Is the Kraken MCP only for USD pairs?**

No. The MCP supports various trading pairs across different fiat and crypto currencies; you just need to specify the correct pair name when calling tools like get_ticker or get_ohlc.

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 `"kraken": { "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

Kraken 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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