

MCP SERVER

NO CODE

CLOUD HOSTED

Exchange Rates API MCP

Calculate global rates, past or present.

Exchange Rates API MCP gives your AI agent direct access to real-time and historical foreign exchange data for over 170 currencies. Need to convert a price from Euros to Japanese Yen or track how the Pound fluctuated last quarter? This MCP handles complex currency math, providing instant conversions, top market rates (USD, GBP, JPY, CAD), and granular historical records dating back to 1999.

A+ Quality Score 100/100

currency-conversion

foreign-exchange

market-data

historical-rates

real-time-api

financial-data



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.

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.

Exchange Rates API MCP

7 tools available

Cloud-hosted on Vinkius

Need to know what a global price tag means in your local currency right now? This MCP connects your AI agent directly to reliable foreign exchange data. You can ask for the latest rates against any base currency or pull up how currencies behaved on a specific day years ago. It's perfect if you run e-commerce across borders, need to audit financial reports, or just want to calculate quick conversions in chat. The system handles complex calculations instantly. When your agent needs this kind of reliable market data, it pulls the info through Vinkius and delivers clear answers—no spreadsheets, no manual lookups needed. You can perform instant conversions using official reference rates, get top global market summaries, or even track how a currency value trended across an entire time period.

Core Capabilities

01 — Calculate Conversions

Converts any given amount from one supported currency to another.

02 — Check Current Market Values

Retrieves the most up-to-date exchange rates for global currencies relative to a base currency.

03 — Analyze Historical Trends

Accesses detailed rate data for any specific date or entire time range in the past.

04 — Monitor Fluctuation Data

Pulls reports showing how a currency's value changed day by day over time.

05 — Identify Global Benchmarks

Gets the latest reference rates for top global market currencies like USD, GBP, JPY, and CAD.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/exchange-rates-api — connect your AI agent in three steps.

- 01 Connect your preferred AI client to this MCP using an access key.
- 02 Ask your agent a specific question—for example, 'What was the USD rate on January 1st, 2020?'
- 03 Your agent uses the tool, pulls the historical data, and presents you with the clear answer in conversation.

The bottom line is that your AI client handles all the complex API calls; you just ask a question like talking to an expert analyst.

Built For

Financial analysts, e-commerce managers, and operations teams use this MCP. If your job involves pricing items in multiple countries or needing accurate financial metrics that change constantly, you need this. It's for anyone who gets frustrated by having to switch between currency converters, historical data sites, and spreadsheets.

E-commerce Manager

Uses the MCP to check localized pricing and conversion metrics in chat when setting up new markets or running regional sales promotions.

Financial Analyst

Asks for historical exchange rates, like tracking how a currency moved during a specific geopolitical event, without opening a dozen tabs.

Operations Director

Monitors currency fluctuations to predict potential financial impacts before quarterly budgeting meetings.

What Changes When You Connect

-
- 01 **Instant Conversion:** Instead of opening a separate calculator, you can just ask your agent to 'Convert 500 EUR to JPY,' and it handles the math instantly using the `convert_currency_amount` tool.

 - 02 **Deep Historical Insights:** You don't have to guess. Use `get_historical_exchange_rates` or `get_exchange_rate_timeseries` to pull exact rates for any past date, perfect for financial audits.

 - 03 **Know the Big Picture:** Quickly check the latest benchmarks using `get_top_market_rates`. This gives you a snapshot of major global currency movements without needing a full report.

 - 04 **Track Changes Over Time:** The `get_currency_fluctuation_data` tool lets you see if a currency has been stable or volatile over months, which is crucial for risk assessment.

 - 05 **Global Listing Support:** Need to know what currencies are supported? Just run `list_supported_currencies` and get the full list of options available.
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Real-World Applications

Adjusting Pricing for a New Market

An e-commerce manager needs to set pricing for Japan. Instead of manually looking up conversion rates, they ask their agent: 'What is the current rate for USD to JPY?' The agent uses ``get_latest_exchange_rates`` and returns the precise value instantly.

Auditing an Old Financial Report

A financial analyst needs to adjust a report from 2019. They tell their agent: 'Get me the exchange rate for GBP on October 15th, 2019.' The agent uses ``get_historical_exchange_rates`` and provides the exact figure needed.

Planning a Multi-Country Promotion

An operations team needs to know if a currency is stable enough for a large investment. They ask their agent to use ``get_currency_fluctuation_data`` over the last quarter, getting immediate insight into risk.

Quick Budget Checks

A user needs to know if 1500 Euros is enough for a trip to Brazil. They simply ask their agent: 'Convert 1500 EUR to BRL.' The agent uses ``convert_currency_amount`` and gives the accurate, up-to-date figure.

Patterns to Avoid

Using generic web converters

X AVOID

Copying a rate from Google or a bank website is risky. Those rates might be delayed by minutes or hours, making your financial decision inaccurate.

✓ INSTEAD

To get the most reliable data, use this MCP's tools. If you need today's rates, ask for ``get_latest_exchange_rates``. For historical figures, always use ``get_historical_exchange_rates``.

Forgetting to specify the base currency

X AVOID

Asking 'What is the rate between USD and EUR?' without clarifying which one should be the reference can lead to ambiguous or incorrect calculations.

✓ INSTEAD

Always structure your query clearly. Specify the base currency when asking for current rates, or use ``convert_currency_amount`` and list both currencies you want converted.

Assuming all market data is real-time

X AVOID

Relying on older cached data for high-stakes transactions means your figures are already wrong when the market moves.

✓ INSTEAD

For critical, immediate decisions, use ``get_latest_exchange_rates`` to ensure your agent fetches the absolute freshest reference rates available.

The Right Fit

Use this MCP if your core problem is quantifying value across different currencies—whether you are converting amounts for sales or analyzing how currency values change over time. It's built specifically for foreign exchange data, historical rate lookups, and current market benchmarks.

Don't use this if you need commodity prices (like oil futures), stock indices (like S&P 500 changes), or cryptocurrency rates. For those, you'll need a dedicated financial data tool that tracks asset classes beyond traditional fiat currency pairs. This MCP is focused on the official exchange rate between national currencies.

Handling Global Pricing Data Manually Is a Headache

Right now, if you run an e-commerce site in five different countries, and those prices are listed in USD, EUR, JPY, etc., updating your internal pricing sheets is awful. You have to jump between multiple currency converters, check today's rates on a separate financial news site, and then manually adjust every single SKU price point. It's tedious copy-pasting that invites errors.

With this MCP, you just ask your agent what the final local price should be. The system handles all the complex math behind the scenes—whether it's using `convert_currency_amount` for a quick check or pulling deep historical data via `get_exchange_rate_timeseries`. You get accurate, immediate answers without ever touching a spreadsheet.

Get Precise Market Data With Exchange Rates API MCP

You no longer have to wait for end-of-day reports or assume that the rate you saw last week is still valid. You can ask your agent about market trends immediately, checking how a currency fluctuated using `get_currency_fluctuation_data` at any time.

The biggest change is control: you're no longer guessing or relying on outdated inputs. This MCP gives your workflow reliable, traceable access to global financial data right when and where you need it.

Exchange Rates API: 7 Tools

Use these specific tools within your agent to perform precise currency conversions, check historical rates for any date, and monitor global market trends.

#	TOOL	DESCRIPTION
01	<code>convert_currency_amount</code>	Converts a specific amount of money from one listed currency to another.
02	<code>get_currency_fluctuation_data</code>	Retrieves data showing how a currency's value moved day-to-day over time.
03	<code>get_historical_exchange_rates</code>	Pulls the exchange rates for any specific date you name, regardless of when it was.
04	<code>get_latest_exchange_rates</code>	Gets the most recent reference rates available for global currencies right now.
05	<code>get_exchange_rate_timeseries</code>	Fetches a range of daily historical exchange rates across an entire specified time period.
06	<code>get_top_market_rates</code>	Retrieves the latest, high-level rates for major global currencies like USD, GBP, JPY, and CAD.
07	<code>list_supported_currencies</code>	Shows a list of all currency symbols and names that this MCP can handle.

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 exchange rate for USD and GBP relative to EUR?



The latest exchange rates relative to EUR are: **USD: 1.085** and **GBP: 0.854**. Would you like to see the rates for other major currencies?

U Convert 1500 EUR to JPY.



Based on the latest reference rate (1 EUR = 162.45 JPY), **1,500 EUR** converts to **243,675 JPY**. Should I check the historical rate for this conversion from last month?

U Get historical rates for January 1st, 2020.



On January 1st, 2020, the exchange rates relative to EUR were: **USD: 1.121**, **GBP: 0.846**, and **JPY: 121.75**. Would you like to see the full list of currencies for this date?

Frequently Asked Questions

01 Can the Exchange Rates API MCP convert currency amounts?

Yes, absolutely. You can use the `convert_currency_amount` tool to instantly calculate how much one amount is worth in another currency.

02 How far back can I check rates using the Exchange Rates API MCP?

The MCP supports retrieving historical data dating all the way back to 1999. You just need to specify the date or time period you're interested in.

03 Do I need to know the currency codes for this MCP?

No. If you aren't sure which currencies are available, you can run ``list_supported_currencies`` first to see all options supported by the tool.

04 What is better: ``get_latest_exchange_rates`` or ``get_top_market_rates``?

Use ``get_top_market_rates`` if you only care about a select list of major currencies (USD, GBP, JPY, CAD). Use ``get_latest_exchange_rates`` when you need the current rates for a broader selection of global currencies.

05 Can I track how currency values changed over months using Exchange Rates API MCP?







Yes. You can use either ``get_exchange_rate_timeseries`` to define an exact start and end date range, or you can request general fluctuation data with ``get_currency_fluctuation_data``.

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>"exchange-rates-api": { "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

Exchange Rates API 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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