MCP SERVER | NO CODE | CLOUD HOSTED

OpenExchangeAPI MCP

Audit global currencies in natural conversation.

OpenExchangeAPI provides your AI agent with reliable access to global financial data. It lets you instantly retrieve current exchange rates for over 200 currencies, audit historical currency trends for any date, and perform accurate conversions between any two money pairs. Stop switching tabs or manually checking rate websites; just ask your agent.

A+ Quality Score 100/100

currency-conversion | exchange-rates | financial-data | real-time-rates | forex | historical-data

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vinkius.com/mcp/openexchangeapi

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.

OpenExchangeAPI MCP

6 tools available
Cloud-hosted on Vinkius

OpenExchangeAPI connects your AI client directly to up-to-the-minute global financial data. Instead of opening a web browser or running complex spreadsheet formulas, you simply talk to your agent. It handles the heavy lifting, acting as an instant financial analyst that keeps all your research grounded in accurate market rates.

Your agent can check current exchange rates for any base currency and list every supported code if you need it. Want to audit a transaction from five years ago? You just ask for historical data on a specific date, and the rate shows up instantly. It even tracks how rates change over an entire period, letting you monitor performance trends easily. Because this MCP is hosted on Vinkius, you get access to a unified catalog of financial tools alongside your AI client. This means whether you're doing market analysis or managing international budgets, all the necessary currency intelligence is available in one conversation.

Core Capabilities

01 — Determine current exchange rates

Get real-time rates for a base currency against many others.

02 — Calculate specific currency conversions

Convert any amount from one currency to another using the latest market data.

03 — Audit historical financial trends

Retrieve exchange rates for a specific date in the past or monitor rates across an entire time period.

04 — List all currency codes

Get a full list of every supported currency code and its name to ensure accuracy.

05 — Monitor API usage

Check your current usage limits and plan metadata to keep track of your research budget.

One Click on Vinkius — From Prompt to Execution

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

01 Subscribe to this MCP and input your unique Open Exchange Rates App ID.

02 Connect the MCP to your preferred AI client like Claude, Cursor, or Windsurf.

03 Ask your agent a natural language question, such as 'What was the rate for USD/JPY on 2020-01-01?' and receive the answer immediately.

The bottom line is that you get real-time, historical financial data without ever leaving your conversational interface.

Built For

This MCP is essential for any role dealing with international finance or multi-currency transactions. It helps the e-commerce manager who needs to verify current rates before launching a global storefront, and the financial analyst who has to audit years of historical market data.

E-commerce Manager

Verifying international pricing models by checking real-time exchange rates and auditing currency conversions for different markets.

Financial Analyst

Performing deep market research, querying historical rate time series to identify trends over years of data.

Forex Trader

Rapidly auditing complex market trends and currency performance using natural language queries.

What Changes When You Connect

01 Instant Market Analysis: Using get_latest_rates, you instantly know the current exchange rates for any base currency without visiting a financial terminal.

02 Historical Auditing Power: The get_historical_rates tool lets you audit specific dates. You can check what USD/EUR was worth exactly three years ago.

03 Long-Term Trend Spotting: Need to see how a pair performed over months? get_rate_time_series maps the rate movement, turning raw data into actionable trend lines.

04 International Budgeting: The convert_currency function handles complex math instantly, ensuring your international pricing is accurate every time.

05 Complete Visibility: Running list_supported_currencies confirms you're using the right code for any currency pair, eliminating costly manual errors.

Real-World Applications

Auditing a past transaction

A financial analyst needs to know the exact exchange rate used when a client paid 10,000 GBP on October 15th of last year. The agent runs get_historical_rates and delivers the precise conversion value, allowing the audit to close immediately.

Setting up global e-commerce pricing

An e-commerce manager needs to list products across five different markets. They ask the agent to run get_latest_rates and convert_currency for all pairs, ensuring every storefront is priced accurately based on today's market rates.

Monitoring currency risk

A team lead needs a visual overview of how the JPY has fluctuated against the USD over the last 18 months. They run get_rate_time_series, getting a comprehensive view that highlights peak volatility periods.

Quick internal validation

A developer needs to confirm if 'CAD' is a supported currency code before writing conversion logic. They simply ask the agent to list_supported_currencies and get the full, validated list instantly.

Patterns to Avoid

Using multiple websites

✗ AVOID

A user opens Google, then a financial news site, then a currency converter tool. They copy three different rates and try to reconcile them in Excel.

✓ INSTEAD

Just ask your agent to get_latest_rates or convert_currency. It pulls all the necessary data from one source into a single response.

Misremembering dates

✗ AVOID

A user vaguely remembers that rates were 'low last spring' and manually guesses a date, leading to an inaccurate financial audit.

✓ INSTEAD

Use get_historical_rates. You specify the exact date you need data for (e.g., 2021-04-01), guaranteeing precision.

Ignoring usage limits

✗ AVOID

A user runs dozens of complex queries, hits an unexpected rate limit error, and stalls their research project.

✓ INSTEAD

Always check get_api_usage first. This lets you know your remaining quota before running intensive rate lookups.

The Right Fit

Use this MCP if your primary need is accurate, auditable financial data—specifically exchange rates and currency conversions. You should use it when the core of your workflow involves comparing a value today versus a value yesterday, or calculating prices across borders. Don't use this MCP if you are trying to manage internal team communications (use a messaging-type MCP) or if your task is purely document generation (use a writing/knowledge MCP). If you need to check the status of an account or process payroll records, this isn't it; you need a specialized accounting tool. This MCP is for pure rate intelligence.

Tracking global currency shifts used to be a manual nightmare.

To audit a financial transaction from last year or compare current international pricing, people currently have to open multiple browser tabs. They visit the bank's site for one rate, then Wikipedia for another, and finally an exchange calculator just to verify. Copying these disparate numbers into a spreadsheet is time-consuming and prone to simple human error.

With this MCP, you simply tell your agent what data you need—whether it’s a current conversion or a historical rate series over months. Your agent pulls all the accurate numbers in one go. The result isn't a mess of links; it's the single answer you needed.

OpenExchangeAPI delivers immediate and precise currency conversions.

The manual steps that vanish are the repetitive cross-checking process. You don't have to open a separate tool just to find supported codes, nor do you need to remember which date you want rates for when running get_historical_rates. It all flows out of your chat interface.

It makes the difference between spending an hour manually reconciling numbers and getting instant confirmation that lets your work move forward.

OpenExchangeAPI with 6 Tools

Use these six tools to query the latest rates, convert amounts, check historical data points, or list all supported currency codes.

#	TOOL	DESCRIPTION
01	`convert_currency`	Converts a specific amount from one designated currency to another.
02	`get_historical_rates`	Retrieves the exact exchange rates that were active on a single, chosen historical date.
03	`get_latest_rates`	Fetches the most current market exchange rates based on a specified base currency.
04	`get_rate_time_series`	Gathers and plots historical rates across an entire defined period of time.
05	`get_api_usage`	Provides real-time details about your current usage count and overall plan limits.
06	`list_supported_currencies`	Lists all the currency codes and names that this MCP can currently support for queries.

See It in Action

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

U Get the latest exchange rates for 'EUR' using OpenExchangeAPI.

I've retrieved the latest rates with EUR as the base. Notable pairs include EUR/USD at 1.08 and EUR/GBP at 0.85. Would you like the full list of supported currencies?

U Convert 100 USD to BRL.

Conversion complete! 100 USD is currently equivalent to 495.50 BRL based on the latest market data. Would you like me to check the historical rate for this pair?

U What was the exchange rate for USD/JPY on 2020-01-01?

I've retrieved the historical data for January 1st, 2020. The rate for USD/JPY was approximately 108.61. I can also provide the rates for other symbols on that date if needed.

Frequently Asked Questions

01 **How do I check historical rates using OpenExchangeAPI?**

You use get_historical_rates. You just need to tell the agent which currency pair and what specific date you want the rate for, and it delivers that number instantly.

02 **Is OpenExchangeAPI good for large-scale pricing models?**

Yes. By running get_rate_time_series, you can analyze rates over long periods to build robust pricing models that account for fluctuation and trend.

03 **Does this MCP support listing all currencies?**

Yes. The list_supported_currencies tool gives you a comprehensive rundown of every currency code the system recognizes, helping prevent input errors.

04 **What if I need to convert money between two pairs?**

You can use convert_currency for single conversions. If your query is complex, ask your agent to combine multiple calls using different tools like get_latest_rates and then convert_currency.

05 **How do I know if my usage limit is high?**

Always check the get_api_usage tool. It provides a real-time report on your API quota, so you don't accidentally run out of credits mid-project.

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 `"openexchangeapi": { "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

OpenExchangeAPI 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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