

MCP SERVER

NO CODE

CLOUD HOSTED

BCB Câmbio — Dólar PTAX, Euro e 150+ Moedas MCP for AI Agents

Monitor Official Brazilian Currency Exchange Rates and Historical Data

BCB Câmbio provides official foreign exchange rates straight from Brazil's Central Bank. This MCP gives your AI client access to daily PTAX dollar quotes and historical data for over 150 global currencies. You can check current buy/sell prices, track currency movements over time periods, or pull the full catalog of available codes.

A+ Quality Score 100/100

foreign-exchange

currency-rates

ptax

financial-statistics

market-data

economic-indicators



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.

BCB Câmbio — Dólar PTAX, Euro e 150+ Moedas MCP

5 tools available

Cloud-hosted on Vinkius

Need accurate foreign exchange rates for Brazilian transactions? This MCP connects directly to official financial statistics from Brazil's Central Bank. It lets your agent fetch real-time and historical exchange data for everything from the US Dollar (PTAX) to over 150 other global currencies.

Instead of juggling multiple websites or manually calculating conversions, you simply ask your AI client what rate you need—whether it's today's official dollar quote, a specific currency pair like EUR/BRL, or a trend analysis across the last year. For long-term planning, you can even get historical commercial series data (SGS). The entire catalog is available through Vinkius, giving your agent a single source of truth for complex market data.

It's about getting reliable numbers instantly, making cross-border financial calculations part of your natural conversation.

Core Capabilities

01 — Get Current PTAX Dollar Rates

Retrieves the official daily buy and sell quotes for the US dollar based on the Central Bank's reference rate.

02 — Track Historical Dollar Trends

Pulls historical time series data for the PTAX dollar across a specified date range, including open, close, and intermediate values.

03 — Quote Any Foreign Currency Pair

Provides the current buy/sell exchange rates for any of the 150+ tracked currencies against the Brazilian Real (BRL).

04 — List All Available Currencies

Retrieves a comprehensive list of all currency codes available in the Central Bank's PTAX system, including exotic currencies.

05 — Access Long-Term Commercial Data

Fetches historical commercial dollar series (SGS) data, offering an alternative view for long-term financial analysis compared to PTAX.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/bcb-cambio-dolar-ptax-euro-e-150-moedas — connect your AI agent in three steps.

- 01** You prompt your AI client with a specific currency conversion or rate request, specifying the date range and currencies needed.
- 02** Your agent calls this MCP's tools, which communicate directly with the Central Bank's structured data feeds to pull the required exchange rates.
- 03** The system returns clean, formatted financial data—like current buy/sell pairs or historical trend tables—right into your chat window.

The bottom line is: you get immediate access to official Brazilian foreign exchange data without needing an API key or complex coding setup.

Built For

Financial analysts, treasury managers, and international sales teams use this MCP. If your job involves tracking cross-border payments, calculating multi-currency costs, or building reports based on official Brazilian exchange rates, you need this data source.

Treasury Manager

Determines the current market value of foreign assets and simulates hedge scenarios by checking historical PTAX dollar quotes.

International Sales Analyst

Calculates precise cross-currency pricing for clients in different regions, ensuring accurate billing based on official exchange rates.

Financial Reporter

Gathers comprehensive historical data sets across 150+ currencies to build quarterly economic reports and trend visualizations.

What Changes When You Connect

-
- 01** Real-time Clarity: Get instant access to the official daily buy/sell rates using `get_cotacao_dolar`, eliminating guesswork when dealing with USD transactions.

 - 02** Historical Depth: Need context? Use `get_dolar_periodo` to pull historical PTAX dollar trends, helping you analyze market volatility over months or years.

 - 03** Global Coverage: Don't just stick to the dollar. Quickly check the current quote for any currency using `get_cotacao_moeda`, supporting over 150 markets.

 - 04** Complete Reference: Use `listar_moedas` to get a full, validated list of all available currency codes, ensuring your agent never uses an invalid code.

 - 05** Dual Viewpoints: Comparing PTAX rates with the SGS commercial series via `get_dolar_sgs` allows you to analyze both official and market-based dollar trends.
-

Real-World Applications

Comparing USD vs. Commercial Rates

A financial analyst needs to compare the current official PTAX rate with the long-term commercial SGS data for risk assessment. The agent runs ``get_cotacao_dolar`` and then ``get_dolar_sgs``, providing a dual analysis in seconds.

Building Time-Series Reports

A reporter needs to show currency movements over the last quarter. The agent calls ``get_dolar_periodo``, pulling a full historical table of daily rates, which is then formatted into a professional report.

Pricing an International Contract

A sales manager needs to quote a client based on the latest Euro rate. They ask their agent, which uses ``get_cotacao_moeda`` (for EUR), and immediately returns the current BRL equivalent for accurate billing.

Validating Currency Codes

Before processing a payment batch, an operations team member uses the agent to call ``listar_moedas``, verifying that every required currency code (e.g., MXN, COP) is current and supported.

Patterns to Avoid

Assuming Real-Time Availability

✗ AVOID

Asking for a rate using the wrong tool or assuming the system handles rates outside of business hours.

✓ INSTEAD

Always check which specific quote you need. Use ``get_cotacao_dolar`` for today's official rate, but if you need historical data, make sure to use the date parameter in ``get_dolar_periodo`` or ``get_dolar_sgs``.

Ignoring Currency Scope

✗ AVOID

Trying to convert a currency that isn't tracked by the Central Bank, resulting in an error message.

✓ INSTEAD

First run ``listar_moedas`` to confirm your currency code is supported. This guarantees you can use ``get_cotacao_moeda`` successfully.

Mixing Data Types

✗ AVOID

Requesting a single rate for both today and the last year in one prompt, causing data confusion.

✓ INSTEAD

Break it down. Use ``get_cotacao_dolar`` for the live quote, then use ``get_dolar_periodo`` separately to pull the required historical range.

The Right Fit

Use this MCP if your workflow requires official Brazilian financial data, especially currency rates and historical market movements. You need it when calculating international pricing or generating reports based on BCB statistics. Don't use it if you only need a simple calculator for common conversions; those general tools will suffice. Also, don't rely on it solely for market *predictions*; the MCP provides observed data (rates), not forecasts. If your requirement is to model future volatility patterns, you'll need a specialized predictive modeling tool rather than just fetching historical rates.

BCB Câmbio — Dólar PTAX: Solving Manual Cross-Border Rate Checks

Right now, checking the official exchange rate means logging into the Central Bank's portal, finding the specific dollar quote page (PTAX), and manually recording both the buy and sell values. If you need to check a historical date, it's an entirely different process involving navigating through time-series data. Every currency conversion requires this tedious copy-pasting.

With this MCP, your agent handles all that complexity automatically. You just ask for 'the PTAX rate' or 'the Euro quote,' and you get the precise buy/sell numbers immediately. It's structured financial data delivered directly into your workflow.

BCB Câmbio — Dólar PTAX: Mastering Global Currency Data Streams

Manually tracking multiple currencies is a nightmare. You'd have to check the current rate for USD, then EUR, then GBP—each requiring separate searches and manual data entry. If your report needs 150+ codes, it's impossible by hand.

The MCP solves this by unifying access to over 150 currencies. Whether you need a simple list of all available codes or the current quote for an obscure currency, it's instantly accessible and reliable.

BCB Câmbio: 5 Tools for Foreign Exchange Data Retrieval

Use these tools to fetch current quotes, list all available currencies, or track specific historical currency rate series directly from the source.

#	TOOL	DESCRIPTION
01	<code>get_cotacao_dolar</code>	Gets today's official PTAX dollar rate, providing both the buy and sell exchange values.
02	<code>get_dolar_periodo</code>	Retrieves a historical series of the PTAX dollar for a specific period, including open, close, and intermediate rates.
03	<code>get_cotacao_moeda</code>	Gets the current buy/sell exchange rate for any specified foreign currency code against the Brazilian Real.
04	<code>listar_moedas</code>	Lists all 150+ available currency codes tracked by the Central Bank's PTAX system.
05	<code>get_dolar_sgs</code>	Retrieves the historical commercial dollar series (SGS) data, which offers a different long-term view than the PTAX rate.

See It in Action

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

U What was the dollar rate last month? Show me the historical data.



BRL/USD — Historical Data (March 2026)

- **March 1:** Buy: R\$ 5.7820 / Sell: R\$ 5.7925
- **March 15:** Buy: R\$ 5.8210 / Sell: R\$ 5.8315
- **March 31:** Buy: R\$ 5.7500 / Sell: R\$ 5.7605

The data shows a slight strengthening trend in the Real over that period.

Source: BCB, PTAX

U What's the current exchange rate for Euros and Pounds? I need buy/sell.



Current Quotes vs. BRL

- **EU Euro (EUR):** Buy: R\$ 6.1820 | Sell: R\$ 6.2050
- **GB Pound Sterling (GBP):** Buy: R\$ 6.7590 | Sell: R\$ 6.7812

Rates are sourced from the Central Bank's latest market data.

U List all available currencies and what they are.



Available PTAX Currency Codes

The system tracks 150+ global codes, including:

- USD (US Dollar)
- EUR (Euro)
- JPY (Japanese Yen)
- GBP (British Pound)
- MXN (Mexican Peso)
- CLP (Chilean Peso)

Need a specific code? Just ask, and we'll check its current rate.

Frequently Asked Questions

01 How do I find the official dollar exchange rate using BCB Câmbio — Dólar PTAX, Euro e 150+ Moedas MCP for AI Agents?

You get the current buy and sell quotes instantly. Your agent pulls the latest PTAX data directly from the Central Bank, giving you the most reliable official reference rate in a single, clear response.

02 Can I use BCB Câmbio — Dólar PTAX, Euro e 150+ Moedas MCP for AI Agents to track currency changes over time?

Yes. You can specify a date range and get historical series data for the dollar or any other supported currency. This lets you visualize trends and calculate performance metrics based on past rates.

03 Does BCB Câmbio — Dólar PTAX, Euro e 150+ Moedas MCP for AI Agents support currencies outside of the US?

Absolutely. The MCP tracks over 150 global currencies, including common pairs like EUR and GBP, as well as specialized codes like MXN or CLP.

04 What is the difference between PTAX and SGS data from this MCP?

PTAX provides the official reference rate for daily transactions. The SGS data offers a different commercial series view of the dollar, which can be useful when comparing official policy rates against market trends.

05 Is BCB Câmbio — Dólar PTAX, Euro e 150+ Moedas MCP for AI Agents reliable for business use?







It is highly reliable because it draws data directly from the official sources of Brazil's Central Bank. This makes it ideal for accurate financial modeling and reporting.

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>"bcb-cambio-dolar-ptax-euro-e-150-moedas": { "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

BCB Câmbio — Dólar PTAX, Euro e 150+ Moedas 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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