MCP SERVER | NO CODE | CLOUD HOSTED

# Bitso Exchange MCP for AI Agents

## Execute crypto trades and monitor live Latin American market book data.

Bitso Exchange MCP connects your AI client directly to Mexico's leading crypto exchange for programmatic trading. You can execute limit and market buy/sell orders, check live account balances, monitor open positions, and track historical trades without using a web interface.

A+ Quality Score 100/100

crypto-exchange | fiat-pairing | portfolio-management | order-execution | liquidity-monitoring | wallet-tracking

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vinkius.com/mcp/bitso-exchange

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.

# Bitso Exchange MCP

12 tools available
Cloud-hosted on Vinkius

This connector lets you handle complex crypto trades by connecting your AI agent straight to the Bitso Exchange backend. Instead of refreshing charts or clicking through slow desktop applications, you simply instruct your agent what trade you want—whether it's placing a strict limit order or checking current liquidity on major pairs like BTC/MXN. You can pull live market ticker data and constantly verify available account capacity in fiat pools versus alt-coins natively within your prompt. All the heavy lifting, from reviewing historical executed trades to managing withdrawals, happens directly through conversation. This level of control lets you build truly algorithmic strategies right where they matter most. Because Vinkius manages this MCP, any compatible AI client—be it Cursor or Claude—gains immediate access to this entire suite of trading tools.

## Core Capabilities

**01 — Execute and manage crypto trades**

Submit new limit or market orders and cancel existing open positions on the exchange.

**02 — Check account status and balances**

Retrieve your current trading account limits, verify available funds in different fiat pools, and list all asset holdings.

**03 — Monitor market liquidity and prices**

Get real-time ticker information or list the active order books for specific crypto pairs.

**04 — Review trade history and flows**

List all completed trades, monitor external withdrawals, and examine raw ledger account movements for full transparency.

## One Click on Vinkius — From Prompt to Execution

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

01 Provide your isolated Read/Write Dev API Keys from Bitso to the MCP.

02 Tell your AI agent what action you want—for instance, 'Check my current BTC balance' or 'Place a limit buy order for ETH'.

03 The MCP executes the command against the exchange and returns the specific data point or confirmation of the transaction.

The bottom line is, your AI agent acts as your automated trading terminal, executing actions directly against the exchange's core systems.

## Built For

This MCP is built for professional crypto traders and quantitative developers who need machine-speed access to market data. If you're tired of manually refreshing dashboards or fighting with web interfaces, this tool lets your AI agent take over the tedious monitoring and execution tasks.

**Quant Trader**

Using the MCP to programmatically place limit orders and cancel positions instantly during volatile market swings.

**Web3 Architect**

Monitoring crypto on/off ramps across multiple fiat and digital asset pools simultaneously for system testing.

**Crypto Portfolio Manager**

Reviewing comprehensive withdrawal histories and account status limits without navigating complex backend UIs.

## What Changes When You Connect

01 Instantly manage your portfolio by using `create_order` to place limit or market orders without touching a web browser. This keeps your trading decisions happening in the chat window.

02 Gain total financial clarity with `list_balances`. You can instantly verify available fiat pools versus digital alt-coins right inside your prompt, eliminating manual dashboard checks.

03 Stay protected from bad trades using `cancel_order` and `list_open_orders`. If the market suddenly drops, you can tell your agent to drop an order immediately.

04 Deep dive into account movements by running `list_ledger`. You'll see a raw, undeniable record of every single credit and debit flow that happened on your account.

05 Monitor fund safety using `list_withdrawals` to track all external payouts. It gives you a clear view of where your money has gone this month.

06 Access real-time market depth with `get_ticker` or `list_available_books`, giving you the immediate data needed before any major trade.

## Real-World Applications

**Responding to sudden volatility**

The agent detects a rapid drop in BTC/MXN pairs. You instruct it to first run `list_open_orders` to see what's hanging, and then use `cancel_order` on the riskiest positions before suggesting a new market entry via `create_order`.

**Auditing a recent payment flow**

A partner asks about funds received. You ask your agent to run `list_withdrawals` and then check the raw activity using `list_ledger` to confirm the source of every dollar movement.

**Preparing for a large investment cycle**

Before making any major purchase, you first ask your agent to run `get_account_status` and `list_balances`. This confirms both that your account is compliant and that you have the necessary funds across all fiat pools.

**Comparative market research**

You want to compare multiple pairs. You ask the agent to use `get_ticker` on BTC/MXN, ETH/BRL, and USDC/ARS sequentially to get an immediate spread comparison before deciding where to trade.

# Patterns to Avoid

### Assuming balance availability

✗ AVOID

Thinking you have enough funds because the chart looks good, but failing to confirm account capacity limits.

✓ INSTEAD

Always start by running `list_balances` and verifying your available pool depth. Then use that data to confidently execute a trade with `create_order`.

### Ignoring open orders

✗ AVOID

Placing several limit orders and then forgetting which ones are active, leading to unexpected fills.

✓ INSTEAD

Periodically check your outstanding positions by running `list_open_orders`. If a trade needs to be killed, use `cancel_order` immediately.

### Overlooking transaction history

✗ AVOID

Seeing money move out of an account but not knowing if it was a withdrawal or a direct market fill.

✓ INSTEAD

Check both the `list_trades` (for executed buys/sells) and `list_withdrawals` (for external payouts) to get the complete picture.

## The Right Fit

Use this MCP if your core need is programmatic, high-frequency trading execution or detailed crypto ledger auditing. You must be comfortable providing API keys and dealing with technical concepts like Maker/Taker orders. Don't use it if you just want to browse market charts; those web tools are fine for that. If your goal is simple record keeping—like viewing a single withdrawal amount—you can probably get away with simpler, dedicated wallet-tracking MCPs. But if you need the full lifecycle: checking balances, listing books, and executing trades, this connector handles it all.

# Bitso Exchange MCP for AI Agents: Automating Crypto Trading Execution

Before this MCP, managing crypto trades meant a painful cycle of opening the exchange platform, navigating between different asset pairs (like BTC/MXN or ETH/BRL), manually checking your current balance in multiple pools, and then executing the order. It was slow, prone to human error, and you were always one step behind market speed.

Now, with this MCP connected, you just tell your agent to 'Execute a limit buy of 0.1 ETH'. The system handles everything: checking liquidity via `get_ticker`, verifying your available capital using `list_balances`, and submitting the order directly via `create_order`. You get instant execution confirmations and perfect audit trails.

# Bitso Exchange MCP for AI Agents: Real-Time Crypto Balance Monitoring

Manual monitoring requires opening multiple tabs to check fiat pools, alt-coin balances, and available margin capacity. This means constant clicking and copy-pasting of numbers just to answer one question: 'Can I afford this?'

This MCP eliminates that friction. By using the `list_balances` tool, your agent compiles a single, definitive status report across all assets and pools in seconds. You get immediate financial clarity without ever leaving your chat window.

# Bitso Exchange: 12 Tools for Crypto Trading & Ledger Analysis

These tools let your AI agent manage everything from checking real-time ticker prices to submitting complex trade orders and reviewing raw account ledgers.

| # | TOOL | DESCRIPTION |
|---|---|---|
| 01 | `cancel_order` | Stops a live, unfulfilled trading order before it can execute. |
| 02 | `create_order` | Places a new buying or selling trade order on the exchange. |
| 03 | `get_account_status` | Retrieves information regarding regulatory account status and usage limits. |
| 04 | `get_funding_destination` | Shows the specific crypto address where incoming funds must be sent. |
| 05 | `get_ticker` | Fetches the current trading price and market details for any specified asset pair. |
| 06 | `list_available_books` | Lists all actively traded crypto market books available on the exchange. |
| 07 | `list_balances` | Provides a detailed breakdown of your current trading account balances across various assets. |
| 08 | `list_ledger` | Examines the raw, chronological flow of all activity recorded in your account ledger. |
| 09 | `list_open_orders` | Lists every active order that hasn't been filled or canceled yet. |
| 10 | `list_order_trades` | Extracts all executed trades specifically linked to a given Order ID. |
| 11 | `list_trades` | Reviews the full history of successfully executed crypto trades. |
| 12 | `list_withdrawals` | Monitors and reports on all funds that have been withdrawn from your account externally. |

# See It in Action

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

U What's the current spread on the ETH/BRL pair? I want to know if we should place a buy order.

**Ethereum (ETH) / Brazilian Real (BRL)**

- **Current Ticker:** $3,450.21 BRL
- **Spread Status:** Active spread detected.
- **24H Range:** Low: $3,380 | High: $3,510

The order book shows strong immediate buy interest at the current price point. Ready to check open orders?

U I want to make 500 MXN worth of Bitcoin. Can you place a limit buy order?

Processing command: Limit Buy for BTC.

✅ **Order Submitted:** A new authenticated request was sent.

- **Target Pair:** BTC/MXN
- **Type:** Limit Buy (500 MXN value)
- **Status:** Pending fulfillment on the exchange's Maker tab. You can check this order again using `list_open_orders`.

U Show me all my trades and withdrawals from last month.

Here is your consolidated activity report:

💰 **Withdrawals:**

- 0.05 BTC (To External Wallet)
- 1,500 MXN (Via SPEI System)

📈 **Trades (Last 7 Days):**

| ASSET | TYPE | QUANTITY | PRICE | TOTAL VALUE |
|---|---|---|---|---|
| ETH | Buy | 0.5 | $3,400 | 1,700 BRL |
| XRP | Sell | 200 | N/A | Profit Confirmed |

Your ledger is completely clear.

# Frequently Asked Questions

01 **How do I use the Bitso Exchange MCP to check live crypto prices?**

You ask your AI agent to retrieve the ticker for the specific pair you want (like BTC/MXN). It will return the last traded price, the current spread details, and the 24-hour trading range instantly. This gives you real-time market data without needing a browser.

02 **Can I use this MCP to place an order if the market moves against me?**

Yes. You can instruct your agent to monitor open orders using `list_open_orders` and then immediately cancel them with `cancel_order` if you see adverse movement, protecting your capital.

03 **Does the Bitso Exchange MCP help me track money I took out of the exchange?**

Absolutely. You can run a report on all executed withdrawals using `list_withdrawals`. This ensures you have a clear record of every fund transfer that left your account.

04 **What if I want to see how much money I actually have in different currencies?**

The MCP handles this by listing all your available balances using `list_balances`. It gives you a comprehensive breakdown of funds across every fiat pool and alt-coin, so you know exactly what you can spend.

05 **Is the Bitso Exchange MCP only for experienced traders?**

While it has advanced tools, you don't need to be a pro. You just need to ask simple questions like 'What is my balance?' or 'Should I buy this?' and let your agent handle the complex API calls in the background.

06 **How do I check if an order I placed actually went through?**

You can use `list_order_trades` with a specific Order ID to confirm every execution linked to that trade. It's a direct way to verify the transaction history for peace of mind.

# 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 `"bitso-exchange": { "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

# Bitso Exchange 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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