MCP SERVER | NO CODE | CLOUD HOSTED

VTEX Checkout MCP

Test carts, calculate shipping, manage profiles instantly.

VTEX Checkout MCP lets your AI agent run full e-commerce checkout simulations directly against your VTEX store data. It simulates complete orders, calculates real-time shipping options for any postal code, and applies coupons—all without leaving the chat window. Check client profiles, manage addresses, or validate payments before a customer ever clicks 'Buy.'

A+ Quality Score 100/100

cart-simulation | shipping-calculation | checkout-optimization | coupon-management | order-preview | pre-purchase

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vinkius.com/mcp/vtex-checkout

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.

VTEX Checkout MCP

6 tools available
Cloud-hosted on Vinkius

This MCP connects your AI agent to your VTEX checkout API, letting you handle complex pre-purchase logic through natural conversation. You can run full order simulations using items and quantities, instantly seeing the total cost and all available shipping options for any ZIP code. Need to check a customer's status? Look up client profiles by user ID or use the tool to manage new shipping addresses. Want to test pricing rules? Apply discount coupons to an active cart and see how much the total drops. You can even simulate payment validations before committing to an order, checking everything in one place. Connecting this through Vinkius makes it available to any compatible AI client, so you get immediate access to deep e-commerce data whether you're using Claude, Cursor, or Windsurf.

Core Capabilities

01 — Simulate entire orders

Run full cart simulations with specific items and quantities to see the final total, discounts, and shipping costs.

02 — Manage shopping carts

Fetch the complete details of any active orderform, including items, payment requirements, and client information.

03 — Apply coupons to carts

Validate discount codes against an active cart and immediately calculate the resulting price change.

04 — Look up client records

Find a customer's profile using their user ID to retrieve name, contact details, and document numbers.

05 — Add shipping addresses

Register new physical mailing addresses for clients to ensure accurate checkout flow.

06 — Validate payments

Test payment tokens and simulate conditions to confirm if a transaction will go through successfully before placing an order.

One Click on Vinkius — From Prompt to Execution

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

01 First, subscribe to this MCP and provide your VTEX Account Name, App Key, and App Token from your VTEX Admin settings.

02 Next, instruct your AI agent on the specific checkout task: whether it's simulating a cart for a new product or checking an existing customer's profile.

03 Your agent then executes the required tool call, returning real-time data like total costs, shipping options, and client details directly to you.

The bottom line is you get deep access to your checkout logic without ever opening the VTEX admin panel.

Built For

E-commerce managers who spend too much time manually running test scenarios. Support agents swamped with live customer queries about pricing or shipping. Operations teams needing quick validation on coupon rules across different regions.

E-Commerce Manager

Runs flash sale simulations, testing how specific product bundles combine with coupons and different shipping methods before a campaign goes live.

Customer Support Specialist

Pulls up a client's profile or current cart state instantly during a chat to answer questions about order totals or saved addresses.

Operations Analyst

Validates shipping cost changes and coupon applicability across multiple postal codes or regional tax zones quickly.

What Changes When You Connect

01 Run full order simulations using the `simulate_order` tool. You can test bundles and pricing logic for any postal code without needing to navigate product pages or worry about partial data sets.

02 Reduce support friction by letting your agent use `get_client_profile`. Instead of asking a customer to repeat details, you pull their name, CPF/CNPJ, and contact info instantly.

03 Test discount rules immediately. The `add_coupon` tool applies codes directly to the cart, showing the precise new total and confirming if the coupon is active or expired.

04 Speed up operations by using `get_orderform`. You don't just get a list of items; you get the full state of the cart, including payment conditions and logistics data.

05 Enhance customer experience by allowing your agent to use `create_address`, letting support staff register new shipping details right in the conversation flow.

Real-World Applications

A customer asks for a price quote with multiple items and different tax zones.

The agent runs `simulate_order` using the list of product IDs and the target ZIP code. It returns an immediate, accurate total cost breakdown, including shipping estimates, solving the query in seconds.

Support needs to verify if a discount coupon was correctly applied.

The agent uses `get_orderform` first to grab the cart ID, then runs `add_coupon` with the code. It confirms not only that the coupon worked but also what the final adjusted total is.

A new client needs a shipping address saved for future orders.

The agent uses `create_address` with the user's provided details, saving the necessary information to their profile. This means the next time they check out, the address is ready to go.

Testing if an old payment method will still work for a specific product.

The agent uses `simulate_payment` with the stored token and cart details. It gets instant confirmation of validation status, preventing failed transactions at checkout time.

Patterns to Avoid

Manually checking pricing rules

✗ AVOID

Opening 5 different tabs in the admin—one for products, one for coupons, and three others just to calculate shipping rates by hand.

✓ INSTEAD

Use `simulate_order` or `add_coupon`. These tools consolidate all these checks into a single chat command, giving you the final answer instantly.

Forgetting which client profile belongs to which order

✗ AVOID

Relying on memory or cross-referencing multiple spreadsheets because customer data is split between your CRM and the e-commerce platform.

✓ INSTEAD

Start by calling `get_client_profile` with the user ID. This provides all necessary identity details, which you can then use to run other tools like `get_orderform`.

Assuming a payment token is still valid

✗ AVOID

Accepting an order based on customer input without validating the card details against current system rules, leading to failed payments and bad CX.

✓ INSTEAD

Always run `simulate_payment` first. This confirms the token's viability with VTEX before you promise the user they can complete their purchase.

The Right Fit

Use this MCP if your primary need is to validate, simulate, or retrieve data related to the actual checkout process within VTEX. You need

to know: Does a coupon work? How much will shipping cost for *this* ZIP code and these items? What is the customer's registered address?

Don't use this if you just need general product information (e.g., 'What colors does this widget come in?') or if your goal is purely content generation. For those tasks, a generalized knowledge base tool works better. If you only need to manage user accounts without pricing context, consider an identity management MCP instead. This tool requires deep transactional access; use it when the money and logistics are involved.

The checkout process used to be a maze of clicks.

Today, checking out anything feels like navigating three different systems: the product page shows one price, the cart total looks different, and then you have to go into another section just to see if shipping is free or if the coupon code actually works. You end up copying IDs, jumping between tabs in the admin, and asking multiple people for confirmation on simple pricing questions.

With this MCP, that process disappears. Your agent runs a single command that tells it everything—product items, postal codes, coupons, and taxes. It gives you one clean result: the final, accurate total right there.

Getting real-time client data with VTEX Checkout MCP

Before this MCP, finding out who a customer was meant logging into their account, then manually checking the order history section to see if they had saved an address. If you needed to validate payment options, it required accessing separate billing modules and copying tokens.

Now, you simply ask your agent for the client's profile or current cart details. The data appears instantly, structured and ready to use in conversation. It’s immediate context.

VTEX Checkout MCP: 6 Tools for E-Commerce Operations

These tools allow you to perform core checkout functions like cart simulation, coupon application, and profile retrieval directly through conversation.

#	TOOL	DESCRIPTION
01	`create_address`	Adds a new physical mailing address record to an existing client profile.
02	`get_client_profile`	Retrieves all contact and identification details for a registered customer using their user ID.
03	`add_coupon`	Applies a specific discount coupon code to an active shopping cart, showing the resulting price drop.
04	`get_orderform`	Pulls all current details and state for a specified order form or shopping cart number.
05	`simulate_payment`	Tests payment tokens to validate whether a specific method will successfully process funds before checkout.
06	`simulate_order`	Runs a comprehensive simulation, calculating the total cost and available shipping methods for a defined set of products.

See It in Action

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

U Simulate a cart with 2 units of product ID 1234 and shipping to ZIP 01310-100

Cart simulation complete! **Total: R$ 259.80** (2x Widget Pro @ R$ 129.90 each). Shipping options to 01310-100:

🚚 **Standard** — R$ 12.50 (5-7 business days)
⚡ **Express** — R$ 29.90 (1-2 business days)
🆓 **Free Shipping** — eligible (order above R$ 200)

U Apply coupon code SUMMER20 to orderform abc123

Coupon **SUMMER20** applied successfully to orderform `abc123`! Discount: **-R$ 51.96 (20% off)**. New total: R$ 207.84. The coupon is now active and will be retained until the order is placed or the cart expires.

U Look up the client profile for user ID 98765

Client found: **Maria Silva** (maria@example.com). Document: CPF 123.456.789-00. Phone: +55 11 98765-4321. This client has 3 saved addresses and 12 previous orders.

Frequently Asked Questions

01 **How do I simulate a full order using the VTEX Checkout MCP?**

To start, you call `simulate_order`. You provide the item IDs, quantities, and the target ZIP code. The tool returns a detailed breakdown of all costs, including standard, express, and free shipping options.

02 **Can I use VTEX Checkout MCP to find out what addresses a customer has saved?**

Yes. While you use `get_client_profile` to get the primary contact details, if you need to register a new one, you run `create_address`. This ensures the client's record is up-to-date.

03 **What if I want to test multiple coupon codes on one cart?**

You can use the `add_coupon` tool sequentially. You apply the first code, note the new total, and then run it again with the second coupon to see how the cumulative discount impacts the price.

04 **Does the VTEX Checkout MCP handle payment validation?**

Absolutely. Use `simulate_payment` when you have a token or method on hand. This tool validates that the payment gateway will accept those credentials before the customer attempts to purchase.

05 **Is this only for active VTEX stores, or can I use it for testing?**

It's designed to handle both. You run complete order simulations even if you aren't placing a live order, making it ideal for pre-launch campaign testing.

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 `"vtex-checkout": { "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

VTEX Checkout 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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