

MCP SERVER

NO CODE

CLOUD HOSTED

Clover POS MCP for AI Agents

Manage retail orders, inventory, and payments instantly

Clover POS connects your AI agent directly to Clover's entire suite of merchant services. You can monitor live business operations—from checking daily orders and managing current inventory levels to auditing customer profiles and processing payment history—all through natural conversation with your preferred AI client.

A+ Quality Score 100/100

pos-system

order-tracking

merchant-services

inventory-control

customer-data

api-integration



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.

Clover POS MCP

10 tools available

Cloud-hosted on Vinkius

This MCP lets your AI agent talk shop, giving you real-time visibility into everything happening at your physical store. Forget jumping between different browser tabs or logging into the main Clover dashboard just to check a few numbers. Your agent handles all that for you.

Need to know if you're out of organic coffee? Just ask. Want to see which employees worked on an order last week? It'll pull that data. You can track down customer transaction histories or review the latest processed payments and tax rates without lifting a finger. Because this MCP is hosted on Vinkius, you gain access not just to Clover, but to thousands of other services too. Managing your entire store's backend—orders, inventory, customers, staff—gets simplified into natural conversation.

Core Capabilities

01 — Retrieve basic merchant details

Get basic setup information for the merchant, including currency details and physical address data.

03 — Check live inventory levels

View all items available in stock, organized by their established categories.

05 — Audit payments and tax rates

Review lists of processed payments or check the configured sales tax rates for your business.

02 — List all current store orders

Retrieve a full list of recent orders processed through the system.

04 — Lookup customer records and history

Pull up specific customer profiles and a complete record of their previous transactions.

06 — Manage staff records

Retrieve a list of employees and their assigned roles within the system.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/clover-pos — connect your AI agent in three steps.

- 01** Subscribe to this MCP on Vinkius and input your Clover Access Token along with your Merchant ID (mId).
- 02** Your AI client establishes a secure connection, allowing it access to the core business data.
- 03** You start talking naturally to your agent. For example: 'List all open orders from yesterday.' The agent runs the query and delivers actionable data.

The bottom line is that you manage complex store operations by simply having a conversation with your AI client.

Built For

This MCP is built for operational staff who spend too much time clicking through multiple POS dashboards. If you're tired of logging in to check inventory, or manually compiling payment reports, this connection hands all that data over to your agent.

Store Manager

Checks current order statuses and pulls employee lists instantly without opening the physical Clover dashboard.

Business Owner

Audits daily payment logs and reviews inventory counts to make quick operational decisions on the fly.

Accountant

Retrieves detailed transaction histories, lists of processed payments, and configured tax rates for month-end reconciliation.

What Changes When You Connect

- 01** Quickly check current stock levels or review the details of a specific order using `list_order_details`. No need to navigate multiple menus.

-
- 02 Stop manually compiling reports. Your agent can pull payment histories (`list_payments`) and tax rates (`list_tax_rates`) in one request, saving hours of spreadsheet work.

 - 03 Operational staff get immediate access to employee lists via `list_employees`, making shift management and task assignment much faster than checking the dashboard.

 - 04 Need to know if a customer is new or returning? Use `list_customers` to pull up their profile and transaction history instantly.

 - 05 Inventory control gets simple. Listing all items (`list_inventory_items`) combined with listing categories gives you an immediate view of what needs restocking.
-

Real-World Applications

Running a quick end-of-day reconciliation

An accountant asks their agent, 'Show me the payments and tax rates for yesterday.' The agent runs `list_payments` and `list_tax_rates`, giving them two reports instantly to close books.

Onboarding a new employee

A manager asks, 'Who are our staff members?' The agent runs `list_employees`, providing names and current roles without needing physical access to the payroll system.

Investigating a missing item sale

A store manager asks the agent about a specific order ID. The system uses `get_order_details` and can cross-reference it with `list_inventory_items` to see if the product was recorded as sold.

Checking inventory before restocking

The owner needs a quick count. They ask to see all items (`list_inventory_items`) categorized by their groups (`list_inventory_categories`) in seconds, without running a full report.

Patterns to Avoid

Mixing up order data and customer records

X AVOID

Trying to pull payment history using only the general list of customers. This will give you names but no transaction details, requiring a separate request for every single purchase.

✓ INSTEAD

First, use `list_customers` to find the ID, then use `get_order_details` or `list_payments` with that specific customer ID to ensure accuracy and pull all payment context in one flow.

Forgetting tax rate configuration

X AVOID

Assumes that every transaction automatically uses the correct sales tax. This is risky because rates change, and relying on general order lists might show outdated tax information.

✓ INSTEAD

Always run `list_tax_rates` first to verify current configurations before processing or auditing payments.

Asking for a summary without context

X AVOID

A user asks, 'What's wrong with my store?' This prompt is too vague. The agent can't know if you mean inventory, staffing, or sales.

✓ INSTEAD

Be specific. Ask, 'List the orders from this week that are still marked as open.' Use `list_orders` and specify the required filter.

The Right Fit

Use Clover POS MCP when your operational bottleneck is accessing disparate business data—specifically when you need real-time visibility into payments, inventory counts, or customer records without logging into multiple dashboards. If all you need is a simple list of contacts or an email address, this tool might be overkill; a basic contact management service would suffice. However, if your process involves auditing sales tax rates (`list_tax_rates`), checking staff roles (`list_employees`), and pulling order details (`get_order_details`) together in one workflow, this MCP is essential. Don't use it if you only need to *send* an order; this tool is read-only data access.

Clover POS MCP for AI Agents: Streamlining Retail Order Monitoring

Right now, tracking a customer's entire journey—from the initial purchase to payment reconciliation—is pure manual labor. You have to pull up an order list in one tab, jump over to the payments section in another, and cross-reference tax rates from a third dashboard just to get a clear picture of profitability.

With this MCP, you describe the full flow to your agent: 'Check all orders placed last week for customer X.' You get back structured data detailing both the item list (`list_inventory_items`) and the final payment status in one seamless response. It's immediate operational intelligence.

Clover POS MCP for AI Agents: Controlling Inventory Stock Flow

Inventory management today means clicking through multiple product pages, checking stock levels, and manually categorizing items in a spreadsheet. It's slow, prone to human error, and requires dedicated staff time just for counting.

Now you ask the agent: 'List all inventory categories that are below minimum stock.' The system instantly combines `list_inventory_categories` with `list_inventory_items`, providing an actionable report. You know exactly what needs ordering before the shelf runs bare.

10 Tools in the Clover POS MCP for Merchant Services

Use these tools to retrieve specific merchant details, process payments, check stock counts, and manage all customer records through your AI agent.

#	TOOL	DESCRIPTION
01	<code>get_merchant_info</code>	Pulls basic business information, including the merchant's physical address and currency details.
02	<code>get_order_details</code>	Retrieves all detailed information for one specific customer order.
03	<code>list_inventory_categories</code>	Generates a list of all high-level categories used to organize the store's inventory.
04	<code>list_customers</code>	Fetches a complete roster of customers linked to the merchant account.
05	<code>list_device_access_tokens</code>	Lists all active access tokens associated with different hardware devices at the store.
06	<code>list_employees</code>	Retrieves a list of employees and their assigned roles within the system.
07	<code>list_inventory_items</code>	Provides a comprehensive listing of every stocked item, including quantity available.
08	<code>list_orders</code>	Retrieves a list summarizing all orders placed at the merchant location.
09	<code>list_payments</code>	Gets a summary of recently processed payments and their status.
10	<code>list_tax_rates</code>	Retrieves all configured sales tax rates for the merchant location.

See It in Action

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

U Can you give me a summary of all orders placed yesterday?



Order Summary: Yesterday (2024-10-27)

- **Total Orders:** 18
- **Total Value Processed:** \$3,150.00
- **Status Breakdown:**
 - * Paid: 16
 - * Open/Pending: 2

[Detailed Order List Snippet]

- #ORD-987 (Items: Coffee Blend, Pastry Box) - Status: Paid | Total: \$55.00
- #ORD-988 (Item: Green Tea only) - Status: Open | Total: \$12.00

U What's the status of our staff and what was the highest paid order?



Staffing Report:

- John Doe (Manager): Active since 2023-01-15.
- Jane Smith (Associate): Active since 2024-06-01. (Role: Cashier)

Top Order Details: The highest value order was #ORD-722, totaling \$98.50. It was placed by customer 'Michael B.' and included the premium espresso blend.

U Check out our current stock levels for all pastry items.



Inventory Report: Pastry Items

ITEM NAME	CATEGORY	STOCK LEVEL	UNIT PRICE
Croissant Pack	Pastries	45 units	\$12.00
Seasonal Tart	Pastries	18 units	\$25.00
Muffin Mix	Pastries	72 units	\$5.00

Tip: Consider reordering the Seasonal Tart soon, as stock is getting low.

Frequently Asked Questions

01 How does Clover POS MCP help me track my daily sales and inventory?

It gives your agent real-time access to all your transaction data. You can ask for a list of orders, or check specific item counts (`list_inventory_items`), without ever leaving your chat window. This keeps your operational checks fast and efficient.

02 Can I use Clover POS MCP to audit my tax rates?

Yes, you can retrieve all configured sales tax rates using `list_tax_rates`. This is crucial for accounting, letting you quickly verify that the correct taxes are applied to every transaction type.

03 Is Clover POS MCP better than manually checking my online dashboard?

Absolutely. Instead of logging into a separate platform and clicking through menus, your agent pulls all this information—from customer names (`list_customers`) to payment details (`list_payments`)—and delivers it right here in plain text.

04 Does Clover POS MCP show me employee schedules or roles?

It can pull up a list of employees and their assigned roles using `list_employees`. This is great for managers needing to know who was working on shift when certain sales occurred.

05 What if I need to find details about a specific order? Is it possible with Clover POS MCP?

Yes, you can ask the agent to get `order_details` for any given order ID. It pulls up everything: items sold, who bought it, and when it was paid for.

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 `"clover-pos": { "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

Clover POS 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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