

MCP SERVER

NO CODE

CLOUD HOSTED

NCR Voyix MCP

Track inventory, orders, and site data instantly.

NCR Voyix MCP connects your AI agent directly to commerce backend data. You can instantly query live site details, check order status across all locations, track real-time inventory counts, and browse global product catalogs using natural conversation.

A+ Quality Score 100/100

retail-operations

order-tracking

digital-commerce

catalog-management

inventory-control

point-of-sale



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.

NCR Voyix MCP

10 tools available

Cloud-hosted on Vinkius

Managing retail operations usually means juggling a dozen dashboards: one for sites, another for orders, a third for stock levels. This MCP lets you talk directly to your commerce system instead of clicking through portals. You can ask your agent specific questions like, "What's the current count for blue jeans at the Westside Mall?" or "List all customers who joined the loyalty program last month." It pulls live data on everything from active sites and registered users to complete order metadata and pricing details.

Working through Vinkius means you connect once and gain access to this critical retail intelligence. You get a single point of truth for your entire catalog, inventory, and sales pipeline, letting you focus on strategy instead of data retrieval.

Core Capabilities

01 — Check Site Information

List all physical and digital commerce locations or retrieve the specific configuration details for any one site.

03 — Monitor Inventory Levels

Check current stock counts for any product at specific store locations across your entire network.

02 — Track Orders and Customers

Pull lists of recent orders, get full metadata on a single order ID, or list registered customers and their loyalty program status.

04 — Browse Product Catalogs

View the full global list of products, browse available catalog definitions, or get detailed information about a single item's pricing and description.

One Click on Vinkius — From Prompt to Execution

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

- 01 Subscribe to this MCP on Vinkius.
- 02 Enter your required credentials—your NCR API Key, Shared Secret, and Organization Number—to authenticate the connection.
- 03 Ask your AI agent a commerce question. It routes the query through the MCP and returns live data.

The bottom line is you get direct access to your core retail systems without writing code or navigating complex interfaces.

Built For

This connector is built for anyone whose job requires deep, real-time visibility into physical and digital commerce operations. It helps people who spend too much time switching between disparate dashboards just to get a simple answer.

Retail Operations Manager

Checking inventory levels across multiple sites or pulling order histories for daily reporting without logging into the main portal.

Catalog Manager

Verifying product details, checking catalog structures, and ensuring pricing accuracy against global standards.

Customer Service Agent

Quickly retrieving a customer's loyalty status or finding the exact status of an order using just their ID number.

What Changes When You Connect

- 01 You stop juggling multiple tabs. By using `list_sites` and `get_site`, you get a single source of truth for every location, whether it's a flagship store or the e-commerce portal.

-
- 02** Never guess stock levels again. The `list_inventory` tool gives immediate, real-time counts across your network, helping you flag low stock items instantly.
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- 03** Order tracking is simple. Instead of navigating deep order IDs, asking for a specific order with `get_order` returns all the details—line items, status, and site origin—in one go.
-
- 04** Catalog management gets faster. Need to verify product pricing or descriptions? Use `list_products` or `get_product` to pull authoritative data on demand.
-
- 05** Customer insights are immediate. You can list customers using `list_customers` or check their reward status with `get_loyalty_programs`, giving agents instant context.
-

Real-World Applications

Checking Stock for a Flash Sale

A manager needs to know if 100 units of Product X are available across all West Coast stores before launching a flash sale. They ask the agent, which uses `list_inventory`, and get a consolidated report showing every site's current count.

Verifying Site Readiness

An operations team member needs to confirm if a new pop-up shop is correctly configured before launch. They use `get_site` to pull all necessary details and check against internal requirements, eliminating manual checks.

Investigating a Missing Order

A customer calls about an order placed last week. The agent asks for the order details using `get_order`. This tool immediately returns the item list, payment method, and the originating store location, solving the issue in minutes.

Auditing Product Pricing

The catalog team finds discrepancies in pricing. By using `list_products`, they can dump a list of every product ID and its associated price to run an automated audit across all channels.

Patterns to Avoid

Assuming data is always current

✗ AVOID

A user tries to ask the agent, 'Update the stock count for Product Y at Site Z.' The system fails because this MCP only reads existing information.

✓ INSTEAD

This MCP is built for reading. To check what you *can* do, use ``list_inventory`` to see current levels or use ``get_product`` to verify static details.

Over-relying on a single view

✗ AVOID

A user gets the site list using ``list_sites``, but then needs more detail about one specific store's layout.

✓ INSTEAD

Don't stop at the list. Use ``get_site`` with the specific location ID to pull all the deep configuration details you need.

Asking for complex data joins

✗ AVOID

A user asks, 'Give me a report of every customer who bought Product X and lives in Site Y.' This requires multiple steps that should be grouped.

✓ INSTEAD

Break it down. First, run ``list_orders`` to get recent sales; then use the results with ``get_order`` to drill into specific customers or products.

The Right Fit

Use this MCP if your primary need is real-time visibility into commerce data: checking inventory levels (`list_inventory`), confirming site details (`get_site`), or retrieving order histories (`list_orders`). It's perfect for read-heavy workflows where speed and accuracy matter. Don't use it, however, if you need to write new records—for example, you can check loyalty programs with `get_loyalty_programs` , but you cannot use this MCP to *change* a customer's status or place an order. If your job requires transactional updates (writing data), look for a dedicated fulfillment tool instead.

The Pain of Context Switching

Today, if you need to answer a simple question like, 'Is Product X in stock at the downtown store?' you open your browser. You navigate to the inventory portal, log in, search for the product ID, select the correct site from a dropdown menu, and then copy-paste the resulting number into an email. That's three different systems, five minutes of clicking, and half your focus is just on navigating tabs.

With this MCP, you simply ask your agent. You don't worry about which portal to open or what ID to use. The agent handles the complexity behind the scenes, calling tools like `list_inventory` and spitting out one clean answer: 'Yes, there are 45 units available right now.' That's how fast.

Accessing Live Commerce Data with NCR Voyix

The manual steps that disappear include checking the site status manually via `get_site`, compiling a list of all necessary products using `list_products`, and then cross-referencing those details against customer records via `list_customers`. All these lookups used to happen in separate, slow batches.

Now, you get instant access. The data flows together through your agent. You're not just getting a list; you're getting actionable intelligence that was previously buried behind multiple login screens.

NCR Voyix MCP: 10 Tools for Retail Ops

Use these tools to pull real-time data on sites, products, inventory, customers, and orders directly into your AI agent's workflow.

#	TOOL	DESCRIPTION
01	<code>get_loyalty_programs</code>	Lists and retrieves details about the loyalty or reward programs available to customers.
02	<code>get_order</code>	Fetches comprehensive details, including line items and metadata, for a single order ID.
03	<code>get_product</code>	Retrieves specific product details, such as full specifications or current pricing, for a given item ID.
04	<code>get_site</code>	Provides detailed configuration information for one specific commerce site ID.
05	<code>list_catalogs</code>	Shows all product catalog definitions that are active within your commerce system.
06	<code>list_customers</code>	Generates a list of all registered customers in your commerce platform.
07	<code>list_inventory</code>	Lists the real-time stock count for various products at specified physical store sites.
08	<code>list_orders</code>	Retrieves a list of recent customer orders across your entire operation.
09	<code>list_products</code>	Lists all available products defined in the global catalog, including basic descriptions and pricing.
10	<code>list_sites</code>	Retrieves a list of all physical and digital commerce locations configured in your system.

See It in Action

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

U List all our active commerce sites.



I've retrieved your sites. You have 5 active locations: 'Main Street flagship', 'Westside Mall', 'E-commerce Portal', and 2 others. Would you like the detailed configuration for the Westside Mall site?

U Check the status of order ID ORD-98765.



Inspecting order ORD-98765... The current status is 'READY_FOR_PICKUP'. It was placed at the 'Westside Mall' site and contains 3 items totaling \$45.50. Shall I list the specific items in this order?

U What is the inventory level at site 'flagship-01'?



Fetching inventory for 'flagship-01'... I found stock levels for 150 items. Notable counts include 'Summer T-Shirt' (45 units), 'Blue Jeans' (12 units - Low Stock), and 'White Sneakers' (88 units). Would you like to see all items currently in low stock?

Frequently Asked Questions

01 How do I check inventory using the NCR Voyix MCP?

You use the `list_inventory` tool. Just ask your agent which product and location you want to check, and it returns real-time stock levels.

02 Can the NCR Voyix MCP list all my stores?

Yes, that's what the `list_sites` tool does. It gives you a comprehensive overview of every physical or digital commerce location connected to your account.

03 What is the difference between listing products and getting product details with NCR Voyix?

`list_products` provides a general list of items for browsing. If you need specific information, like full pricing or technical specs, use `get_product`.

04 Does the NCR Voyix MCP help me find order details?

Absolutely. Use `list_orders` to see a general list of recent sales. Then, if you need everything about one specific sale, use `get_order`.

05 Can I track customer loyalty status with NCR Voyix MCP?







Yes. You can first get a list of available programs using `get_loyalty_programs`, and then check individual customers with `list_customers` to see their current status.

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>"nrc-voyix": { "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

NCR Voyix 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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