

MCP SERVER

NO CODE

CLOUD HOSTED

Order Desk MCP

Manage Fulfillment & Inventory Across All Channels

Order Desk MCP connects your AI agent directly to complex e-commerce operations. Manage orders and inventory across every sales channel—Shopify, Amazon, etc.—without switching apps or writing code. It gives you full control over fulfillment orchestration right from your chat window.

A+ Quality Score 100/100

order-management

orderdesk

inventory-api

shipping-automation

fulfillment-orchestration

multichannel-ecommerce



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.

Order Desk MCP

11 tools available

Cloud-hosted on Vinkius

Managing modern e-commerce means juggling dozens of data points: order status in Shopify, stock levels on a separate system, and tracking numbers from FedEx. This MCP lets your AI agent do that heavy lifting for you. You talk naturally to your client—'What orders were placed yesterday, and are they ready to ship?'—and it handles the complexity across multiple connected sales channels. It pulls order metadata, checks inventory, and even adds shipment records, all in one chat session. Instead of logging into three different dashboards just to get a status update, you keep everything centralized within your preferred AI client, accessing this power through Vinkius. It's like having an operations manager sitting right next to you, ready to execute on anything from listing historical order summaries to updating stock counts instantly.

Core Capabilities

01 — Check and update product inventory

List all available products or modify specific stock levels across your entire catalog.

03 — Track and manage shipments

Add tracking numbers to existing orders or get lists of all expected outgoing shipments.

02 — View and modify customer orders

Retrieve complete details for any order, list line items, or even create a brand new store order record.

04 — Update custom order data

Access and modify specific, non-standard data fields attached to an order record.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/order-desk-alternative — connect your AI agent in three steps.

- 01 Subscribe to this MCP by providing your unique Order Desk Store ID and API Key.
- 02 Connect these credentials to your AI client (Claude, Cursor, etc.).
- 03 Tell your agent what you need—for example, 'List all orders that were placed on Amazon last week.' The agent then executes the necessary calls.

The bottom line is you tell your agent the goal; it handles the complex workflow across every e-commerce system needed to get the answer.

Built For

This MCP is for anyone whose job involves moving things from a customer's click to a package on a truck. It solves the pain of context switching and fragmented data across multiple specialized dashboards.

E-commerce Merchant

Needs to quickly check order summaries or monitor inventory health without opening ten different browser tabs.

Operations Lead

Manages shipment creation and tracks warehouse activity, needing a single place to update tracking numbers across hundreds of orders daily.

Developer/Integration Specialist

Needs real-time access to order data or store configuration details directly within their coding environment for testing and building custom scripts.

What Changes When You Connect

- 01 Never check an order status dashboard again. You can list store orders or use `get_order_details` to pull any customer's full history, regardless of which sales channel they bought from.

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- 02** Keep stock levels accurate instantly. Use `list_inventory_items` and then `get_inventory_item` to verify product availability before promising delivery dates, preventing oversells.

 - 03** Automate shipping updates entirely through chat. You can call `create_order_shipment` or `list_order_shipments` to add tracking numbers and keep customers informed without manual data entry.

 - 04** Handle unexpected changes gracefully. If an order needs modification after it's placed, you can use `update_store_order` instead of having to manually delete and recreate the record.

 - 05** Build smarter workflows with Vinkius. By connecting this MCP through Vinkius, your agent becomes a single pane of glass for all e-commerce data, whether that's listing orders or checking custom field metadata.
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Real-World Applications

Handling a last-minute fulfillment request

A customer service rep needs to know if a high-value order (#1234) is ready. They ask their agent, and it uses `get_order_details` combined with `list_order_shipments` to confirm that the shipment was created and provide the tracking number immediately.

Onboarding a new sales channel

A merchant just started selling on Etsy. They ask their agent to list all store orders, verifying that the MCP correctly incorporates data from the new channel alongside existing ones, ensuring no order is missed.

Performing end-of-day inventory audit

The operations lead needs to check if any product is running low. They run a query using `list_inventory_items`, identify SKU WIDGET-PRO-BLK has low stock, and then use `get_inventory_item` to confirm the exact count for reordering.

Correcting an incorrect order detail

An employee realizes a crucial custom field was forgotten on an old order. They use `update_store_order` to patch the specific metadata directly onto the record without changing any other details.

Patterns to Avoid

Using multiple, disconnected tools

X AVOID

Manually running 'list_store_orders' to find an order ID, then switching to another tool just to check stock, and finally using a third API call for tracking. This is slow and error-prone.

✓ INSTEAD

Start by asking your agent to get_order_details on the suspected order ID. The agent will orchestrate all necessary lookups—inventory status, shipment records, and line items—in a single action.

Assuming data is available everywhere

X AVOID

The user assumes that because an order exists, inventory must also be updated, leading to outdated stock counts.

✓ INSTEAD

Always run list_inventory_items or get_inventory_item after checking orders. This confirms the system's current view of availability before you trust the data.

Relying on manual status checks

X AVOID

Waiting for a dashboard notification to know if a shipment was successfully added or needs follow-up.

✓ INSTEAD

Use list_order_shipments immediately after creating an order. This confirms the system logged the tracking details correctly and gives you instant confirmation.

The Right Fit

Use this MCP if your primary workflow is managing goods—orders, stock, or shipments—across multiple e-commerce platforms (e.g., Shopify *and* Amazon). If your task involves pure accounting, complex ledger reconciliation, or internal HR data management, this isn't it; you need a dedicated financial or CRM connector. However, if you are constantly asking questions like 'What did we sell and where is it going?', then the combination of list_store_orders, get_order_details, and list_inventory_items makes this your single source of truth for fulfillment.

The constant clicking through dashboards is exhausting.

Today, if you need to know the status of a customer's order, you have to jump between tabs. You check Shopify for the basic purchase record; then, you open your warehouse management system (WMS) just to see if inventory was allocated; and finally, you log into the shipping carrier portal to find the tracking number. It's tedious, requires constant context switching, and slows down every single customer interaction.

With this MCP, that whole sequence collapses into a conversation. You ask your agent one question—for instance, 'What's the status of order #987?'—and it instantly checks all those systems for you, giving you a complete answer without leaving the chat window.

Order Desk MCP gives you total control over fulfillment data.

Manual steps like cross-referencing an order ID to find line items, then separately checking if those items are still in stock, disappear. The agent handles the sequence: it first uses `list_store_orders` to pull the initial data; then it runs `list_order_items` to break down the components; and finally, it executes `get_inventory_item` to confirm availability.

You don't just *read* order status anymore. You actively manage it—you can `create_order_shipment` or `update_store_order` directly from your chat interface.

Order Desk: 11 Tools for E-commerce Ops

These tools give your agent granular control over everything from viewing single line items to listing all available inventory.

#	TOOL	DESCRIPTION
01	<code>create_store_order</code>	Generates a completely new order record in the system.
02	<code>create_order_shipment</code>	Adds specific shipment details to an existing customer order.
03	<code>delete_store_order</code>	Removes a specified order from the store records.
04	<code>get_inventory_item</code>	Retrieves detailed information for one specific product SKU.
05	<code>get_order_details</code>	Fetches all known details about a single customer order.
06	<code>list_inventory_items</code>	Returns a full list of available inventory items and their current stock status.
07	<code>list_order_items</code>	Shows all the individual products and quantities purchased within one specific order.
08	<code>list_store_orders</code>	Provides a summary list of multiple orders placed at the store.
09	<code>list_order_shipments</code>	Lists all known shipment records associated with a single order number.
10	<code>test_orderdesk_connection</code>	Verifies that the API connection to the Order Desk platform is working correctly.
11	<code>update_store_order</code>	Modifies details of an existing order, such as changing its status or adding metadata.

See It in Action

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

U List all active orders in Order Desk.



I've retrieved your orders. You have 15 active shipments across your channels. Notable recent orders include #1234 from Shopify and #5678 from Amazon. Which one would you like to see details for?

U Show me all orders placed today and their current fulfillment status.



You have 23 orders placed today. 8 are in Processing status, 11 have been Shipped (tracking numbers available), 2 are On Hold awaiting payment confirmation, and 2 are in Partial Fulfillment. Total revenue today: \$4,287.50. The largest order is #ORD-9847 for \$892 containing 6 line items.

U Check the inventory levels for SKU WIDGET-PRO-BLK and update the stock count to 250.



SKU WIDGET-PRO-BLK ("Widget Pro Black Edition") found. Previous stock: 47 units. I have updated the inventory count to 250 units. The item is mapped to 3 active sales channels and has a reorder point set at 25 units. Last shipment received: May 5th (200 units from supplier Acme Widgets).

Frequently Asked Questions

01 How do I verify if the Order Desk MCP is connected?

Run the `test_orderdesk_connection` tool. It verifies the API keys and credentials, letting you know right away if your connection is live or if there's a setup issue.

02 Can I update inventory levels using Order Desk MCP?

Yes, absolutely. Use `list_inventory_items` to see the current stock count, and then use `get_inventory_item` to manually adjust or confirm specific product quantities.

03 What is the difference between creating an order and updating one?

Use `create_store_order` when a brand new sale happens. Use `update_store_order` if the order already exists but needs changes, like adding metadata or modifying shipping details.

04 Does Order Desk MCP handle multiple sales channels?

Yes. It is designed to pull and manage data from various e-commerce sources, ensuring you see a unified view of all orders placed across your platforms.

05 How do I add tracking information using the Order Desk MCP?

You can use `create_order_shipment` or `list_order_shipments`. This allows you to attach necessary shipping records and numbers directly to an existing order record via conversation.

06 Can my AI automatically find the details for a specific order by its ID?

Yes! Use the `get_order` tool with the Order ID. Your agent will respond with complete metadata for the record, including customer information, items, and status in seconds.

07 How do I find my Order Desk Store ID and API Key?

Log in to your Order Desk store, navigate to **Store Settings** > **API**, and you will find your unique Store ID and generate your secret API key there.

08 Can I update inventory levels using the AI?







Absolutely. Use the `update_inventory` tool. Provide the Inventory Item ID and the new stock quantity, and the agent will sync the update to Order Desk immediately.

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>"order-desk-alternative": { "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

Order Desk 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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