MCP SERVER | NO CODE | CLOUD HOSTED

Odoo Inventory MCP

Audit Stock Movements Across Every Location

Odoo Inventory MCP lets you manage every aspect of your warehouse operation without logging into multiple screens. Track stock levels across all physical bins, audit complex product movements, and trace specific lots or batches using natural conversation with any AI client.

A+ Quality Score 100/100

stock-levels | warehouse-management | lot-tracking | stock-transfers | procurement | logistics

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vinkius.com/mcp/odoo-inventory

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.

Odoo Inventory MCP

9 tools available
Cloud-hosted on Vinkius

Managing inventory means constant data hopping—jumping from the main dashboard to location reports, then over to transfer logs, just to answer one simple question about availability. This MCP connects your entire Odoo ERP system directly to your agent, letting you manage stock and warehouse logistics purely through conversation.

You don't need to learn new report filters or navigate complex menus. You ask for the status of a specific product by location, or you request an audit trail of every move that happened last week. The AI handles the data querying across records, allowing your agent to give you immediate answers about stock levels, pending adjustments, and where everything is physically stored. It’s like having all your warehouse knowledge instantly available in one place. When you connect this MCP through Vinkius, your agent gets access to Odoo's complete inventory control structure—from the highest-level warehouses down to individual storage bins.

Core Capabilities

01 — Audit stock by precise location

You can find out exactly how much of a product exists in Warehouse A versus Warehouse B, looking at every internal zone.

02 — Trace inventory batches and lots

The system searches for specific lot numbers or serial identifiers to track a product's full history and origin.

03 — Review all stock movements

You get a granular, chronological list of every product movement—from where it left and where it arrived.

04 — Check current inventory status

The MCP provides real-time counts for products, showing what's available now versus what's incoming or scheduled to go out.

05 — Manage transfers and adjustments

You can list all pending stock corrections or review the full details of a specific receiving or shipping transfer.

One Click on Vinkius — From Prompt to Execution

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

01 Connect your AI client to this MCP via Vinkius, granting it access to read and query Odoo's inventory data.

02 Ask your agent a natural language question, like 'How much Product X is in Warehouse 3?' or 'What transfers are pending approval?'.

03 Your agent executes the necessary queries across multiple underlying tools and presents you with a compiled, specific answer.

The bottom line is your AI client speaks to the ERP system directly, giving you data answers instead of dashboards.

Built For

This MCP is for warehouse managers and operations staff who spend too much time switching between different screens or manually compiling reports just to know where stock actually is. If your job involves tracking specific batches, managing transfers, or auditing inventory counts, this is for you.

Warehouse Manager

Uses the MCP to review incoming shipments via odoo_list_transfers and monitor pending stock corrections using odoo_list_adjustments.

Inventory Controller

Runs checks on specific products using odoo_search_inventory_products to verify current availability before authorizing a shipment.

Operations Analyst

Audits the full history of goods by calling odoo_list_stock_moves to build an audit trail for compliance or investigation.

What Changes When You Connect

01 Stop guessing stock levels. Use odoo_search_inventory_products to check real-time availability, factoring in incoming and outgoing quantities.

02 Pinpoint exactly where inventory is stored using odoo_product_stock; you get quantity broken down by every internal location, not just a total number.

03 Track products with confidence. Call odoo_search_lots anytime you need to trace an item back through its specific batch or lot number for compliance.

04 Understand the full journey of goods. Running odoo_list_stock_moves gives you a detailed audit log, showing every product movement from start to finish.

05 Manage logistics flow without jumping between tabs. The MCP lets you review large groups of moves using odoo_list_transfers and drill down into specifics with odoo_get_transfer.

Real-World Applications

Investigating a shortage

A warehouse employee notices an unaccounted-for product. They ask their agent to run the odoo_list_stock_moves for that item over the last 48 hours, quickly identifying which transfer batch (using odoo_list_transfers) was involved and where it went wrong.

Verifying quality control

A manager needs to confirm if a specific shipment contained products from the same contaminated lot. They use odoo_search_lots to search by batch number, then verify that all items on a pending order match that traceable source.

Planning warehouse space

An operations analyst needs to map out their physical storage network. They ask the agent for odoo_list_locations and odoo_list_warehouses to get a complete structure report, helping them plan optimal placement.

Receiving goods from a supplier

When receiving a large shipment, they use odoo_list_adjustments first to see if any expected corrections are pending. Then, the agent reviews the specific delivery details by calling odoo_get_transfer to ensure every item was recorded correctly.

Patterns to Avoid

Searching for stock levels

✗ AVOID

The user asks, 'What's our stock?' and gets only a total number without knowing which warehouse or bin that stock belongs to.

✓ INSTEAD

To get precise data, you must ask the agent to use odoo_product_stock. This tool breaks down the quantity by specific internal location, giving actionable detail.

Reviewing shipments

✗ AVOID

The user only sees a general list of transfers and can't confirm if a specific product move line was included in that batch.

✓ INSTEAD

Don't stop at the transfer listing. Use odoo_get_transfer immediately after viewing the list to drill down into every individual stock move record.

Auditing history

✗ AVOID

The user searches for a product name and only sees its current count, missing the details of how it got there.

✓ INSTEAD

To see the full story, always call odoo_list_stock_moves. This tool generates the entire chronological audit trail needed to understand the movement history.

The Right Fit

Use this MCP if your core job revolves around physical asset tracking, batch compliance, or detailed movement auditing. If you need to know *where* something is (down to the bin) or *how* it got there (the full audit trail), use this inventory suite. Don't use it if you only need high-level financial reporting, like generating a P&L statement; those require different accounting tools. Also, don't use odoo_search_inventory_products for physical location details; that tool is for quantity checks, while odoo_product_stock handles the physical breakdown by bin.

The Problem of Warehouse Data Silos

Right now, getting a full picture of stock means hopping between five different screens: opening the main dashboard to see quantity, clicking into the warehouse map to find locations, pulling up transfer reports to see recent activity, and finally digging through lot sheets just to confirm compliance. It’s slow, it requires copy-pasting data across spreadsheets, and you always lose time switching context.

With this MCP, all that manual clicking disappears. You tell your agent what you need—like 'Show me Product X's stock in Zone A and its movement history.' The AI pulls the necessary data from multiple Odoo modules and presents it as one clean, conversational answer.

Odoo Inventory MCP: Precise Stock Status by Location

You no longer have to run a generic stock report and then manually cross-reference the results against your physical warehouse map. Instead, you ask for a specific location's count using odoo_product_stock, getting an immediate, targeted answer that confirms exactly how much product is physically stored in that bin.

This capability alone saves hours of manual investigation every week. You get direct answers about stock placement and quantity without ever opening another report.

Odoo Inventory Tools (9)

These tools allow you to query specific functions within the Odoo ERP system, giving granular control over stock levels, movements, and location data.

#	TOOL	DESCRIPTION
01	`odoo_product_stock`	Retrieves detailed stock quantities for a product, showing exactly how much is in each internal storage location.
02	`odoo_get_transfer`	Provides the complete details of a single stock transfer, including all individual move lines that make up the shipment.
03	`odoo_list_adjustments`	Lists pending inventory adjustments—any proposed stock correction waiting for management review or approval.
04	`odoo_list_locations`	Returns a list of every internal storage bin and zone within your warehouses, detailing the physical structure.
05	`odoo_list_stock_moves`	Generates an audit trail by listing individual product movements, showing what moved from where and when.
06	`odoo_list_transfers`	Lists all stock batches (receipts, deliveries, internal moves) along with their current processing status in Odoo.
07	`odoo_list_warehouses`	Provides an overview of every configured warehouse in the system, including its short code and address.
08	`odoo_search_lots`	Searches for specific product batches or serial numbers to trace them back to their original source.
09	`odoo_search_inventory_products`	Checks the general stock status of products, returning real-time quantities available and amounts scheduled to arrive or ship out.

See It in Action

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

U Search for leads from the website

CRM Leads — Website

NAME	EMAIL	STAGE	REVENUE
Acme Corp	info@acme.com	Qualification	$15,000
Beta Inc	hello@beta.io	Proposition	$8,500

U Show recent sales orders

Sales Orders

SO#	CUSTOMER	AMOUNT	STATUS
S00042	Acme Corp	$12,500	Confirmed
S00041	Beta Inc	$3,200	Draft

Frequently Asked Questions

01 **How does odoo_product_stock work?**

The odoo_product_stock tool gives you detailed product quantities broken down by every specific internal warehouse location, not just a total count. This is critical for knowing where to physically find an item.

02 **Can I check if a batch number exists using odoo_search_lots?**

Yes, odoo_search_lots searches Odoo by lot name or number. It returns the associated product and the total quantity currently linked to that specific batch for full traceability.

03 **What is the difference between odoo_list_transfers and odoo_get_transfer?**

odoo_list_transfers gives you a summary list of all transfers (like incoming or outgoing batches). You use odoo_get_transfer to drill down into one specific transfer record for every detailed move line within it.

04 **Does this MCP help with auditing?**

Absolutely. The MCP provides tools like odoo_list_stock_moves, which create a full audit trail of all products that have moved, along with the ability to list pending adjustments via odoo_list_adjustments.

05 **Can I find my warehouse codes?**

Yes. You can use odoo_list_warehouses and odoo_list_locations to get an overview of all top-level warehouses and the specific internal storage bins within them.

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 `"odoo-inventory": { "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

Odoo Inventory 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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