

MCP SERVER

NO CODE

CLOUD HOSTED

Envi Supply Chain MCP

Audit Inventory, POs, and Vendors Instantly.

Envi Healthcare Supply Chain MCP lets your AI agent manage hospital procurement and medical inventory in real time. Track purchase orders across facilities, check current stock levels for specific supplies like gauze or reagents, and audit authorized medical vendors without opening a single dashboard.

A+ Quality Score 100/100

medical-supplies

procurement

purchase-orders

vendor-management

clinical-operations

inventory-tracking



The infrastructure that powers AI agents in the real world.



Vinkius connects AI to the world's software through secure, enterprise-grade infrastructure — enabling real-world execution at scale, built on the Model Context Protocol (MCP).

Your AI Connections Run Through Vinkius Cloud

The world's largest
managed MCP catalog

Vinkius is the cloud infrastructure where AI agents connect 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.

Envi Healthcare Supply Chain MCP

10 tools available

Cloud-hosted on Vinkius

You don't need to jump through three different portals just to figure out if you have enough sterile gauze for the ER. This MCP connects your AI agent directly to Envi's supply chain platform. Instead of manually cross-referencing stock sheets, PO logs, and vendor lists, you simply ask natural language questions about your facility's supplies. Your agent can immediately tell you which departments are running low on critical items, list every pending purchase order awaiting approval, or pull up details on authorized medical suppliers. This means clinical operations staff get fast answers without the headache of navigating complex systems. When you connect this MCP via Vinkius, it becomes one conversational layer that handles everything from inventory audits to vendor compliance checks.

Core Capabilities

01 — Audit facility-wide supply status

Get an instant, high-level summary of pending purchase orders, current inventory volume, and critical stock alerts across all connected sites.

03 — Review purchase order details

Retrieve line items, approval status, and detailed settings for specific healthcare purchase orders you need to track.

05 — Manage vendor information

List and review all authorized medical vendors, confirming contract details and sourcing origins for your compliance records.

02 — Check real-time item availability

Specify a medical item (like bandages or lab reagents) and receive its exact current stock count at any facility in your network.

04 — Identify low-stock risk areas

Run an immediate check against safety thresholds to pinpoint medical supplies that are critically below required inventory levels.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/envi-healthcare-supply-chain — connect your AI agent in three steps.

- 01 Connect the Envi integration to your AI client using its specific API key.
- 02 Authorize the connection through your organization's settings within Vinkius.
- 03 Ask your agent natural language questions, like 'What is the stock level for sterile gauze at Main Hospital?' and get an immediate, actionable answer.

The bottom line is you talk to it like a person, and it handles all the complex data calls across POs, inventory, and vendors in the background.

Built For

This MCP is built for healthcare operations staff who spend too much time jumping between separate systems. If you're tired of manually compiling reports on stock levels or chasing down PO approvals from different departments, this tool gives you instant oversight.

Supply Chain Manager

Runs comprehensive audits to check facility-wide inventory status and monitors vendor performance across multiple sites.

Clinical Operations Director

Researches critical stock alerts and department supplies instantly when a specific medical need arises on the floor.

Procurement Specialist

Monitors all pending purchase orders, verifies vendor contracts, and tracks requisitions to ensure timely supply acquisition.

What Changes When You Connect

- 01 Stop manually tracking stock. Use `get_supply_stock_level` to check the real-time count for any medical item at a specific location instantly.

-
- 02** Cut down on approval chasing. Run `list_healthcare_pos` to see all purchase orders and then use `get_po_technical_details` to grab the specifics of one PO number.
-
- 03** Never run out of supplies again. Use `list_critical_stock_alerts` to get an immediate list of everything that needs ordering before it hits zero.
-
- 04** Get a big picture view fast. The `quick_healthcare_supply_audit` tool gives you the total status on PO volume, inventory health, and requisitions in one go.
-
- 05** Simplify vendor compliance. Use `list_medical_vendors` to maintain a clean record of who is authorized to supply your facility.
-
- 06** Audit everything at once. Combine `list_medical_inventory_levels` with `list_healthcare_facilities` to understand stock across every single department.
-

Real-World Applications

A sudden surge in ER activity requires gauze and reagents.

The nurse asks their agent: 'What is the stock level for sterile gauze at Main Hospital?' The agent uses ``get_supply_stock_level`` and immediately replies with 250 boxes, noting that 50 are already reserved for the trauma bay.

A critical department needs to know if a PO for specialty equipment is delayed.

The specialist asks the agent to review pending orders. The agent uses ``list_healthcare_pos`` to find the order and then runs ``get_po_technical_details``, reporting that 5 are awaiting manager sign-off.

The quarterly audit needs to verify all approved suppliers.

The manager asks: 'Show me our authorized medical vendors.' The agent uses ``list_medical_vendors``, providing a list of 12 active suppliers, saving hours of database searching.

It's week-end inventory check, and nothing is documented.

The director asks: 'Give me a full audit of our supplies.' The agent runs ``quick_healthcare_supply_audit``, delivering a single report that summarizes PO activity, low stock warnings, and recent supply requests.

Patterns to Avoid

Copying data between spreadsheets

X AVOID

You download the list of all facilities into Excel, then cross-reference it with a separate sheet listing current inventory to find out if every location is stocked. This takes an afternoon.

✓ INSTEAD

Just ask your agent: 'List inventory levels across all facilities.' The tool uses ``list_medical_inventory_levels`` and gives you the full data set instantly, no spreadsheets required.

Calling multiple people for status updates

X AVOID

To find out if a needed supply is available, you email procurement, call inventory management, and check with facilities administration. You waste an hour coordinating.

✓ INSTEAD

Ask your agent directly: 'What's the stock level for sterile gauze at Main Hospital?' The tool uses ``get_supply_stock_level`` to give you a single, authoritative answer.

Relying on old system reports

X AVOID

You rely on last month's PDF report of PO statuses. By the time you open it, three new orders have been placed and nothing has changed.

✓ INSTEAD

Ask your agent to list all current purchase orders using ``list_healthcare_pos``. You get real-time data, not stale reports.

The Right Fit

Use this MCP if your biggest pain point is coordinating disparate healthcare systems—you need one single point of truth for inventory, purchasing, and vendors. This tool excels at giving you a snapshot view by combining results from `list_critical_stock_alerts` , `quick_healthcare_supply_audit` , and `list_medical_inventory_levels` . Don't use this if you primarily need to reconcile complex accounting transactions or manage payroll; for that, you need an ERP system integration. If your goal is just document retrieval (like finding a single contract PDF), look for a dedicated Document Management MCP instead.

The pain of running inventory checks across multiple hospital wings.

Today, checking stock requires logging into the main facility dashboard, then opening the specific department's supply tab. If you need to check a second location, you repeat the whole painful process, copy-pasting data and hoping your reports haven't been updated since yesterday.

With this MCP, you just talk to your agent: 'What is the stock level for gauze at both Main Hospital and East Wing?' You get the numbers back instantly. It's like having a virtual supply chain expert on call 24/7.

Get clear visibility into every purchase order with Envi Supply Chain MCP.

Manual checks force you to open `list_healthcare_pos` and then click into each one, running through the line items on `get_po_technical_details` . If there are 50 orders, you're clicking for hours just to confirm status.

Now, you ask your agent: 'What POs are pending approval?' It runs the check and delivers a summary of everything that needs attention. The work doesn't get simpler; it gets immediate.

Envi Healthcare Supply Chain: 10 Tools

These tools let you check real-time stock counts, list purchase orders, pull vendor details, and run comprehensive audits of your facility's supply chain.

| # | TOOL | DESCRIPTION |
|----|--|---|
| 01 | <code>get_envi_account_metadata</code> | Pulls general information and usage limits for your Envi account. |
| 02 | <code>get_supply_stock_level</code> | Checks the current stock count for one specific medical item (SKU). |
| 03 | <code>get_po_technical_details</code> | Retrieves detailed line items and settings for a single purchase order number. |
| 04 | <code>quick_healthcare_supply_audit</code> | Generates an immediate, high-level summary covering POs, inventory, and supply requests. |
| 05 | <code>list_healthcare_facilities</code> | Provides a list of all hospitals and clinics configured in your organization's system. |
| 06 | <code>list_medical_inventory_levels</code> | Lists the current stock levels for medical supplies across every facility location you manage. |
| 07 | <code>list_critical_stock_alerts</code> | Identifies and lists all medical items whose inventory count is currently below the safety minimum. |
| 08 | <code>list_healthcare_pos</code> | Lists every purchase order created or processed in your Envi account. |
| 09 | <code>list_latest_supply_requisitions</code> | Shows the most recently submitted requests for medical supplies across departments. |
| 10 | <code>list_medical_vendors</code> | Retrieves a list of all authorized and approved vendors in your network. |

See It in Action

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

U List all pending healthcare purchase orders.



I've found 8 pending purchase orders, including 'PO-2024-001' (\$4,500 for Surgical Supplies) and 'PO-2024-005' (\$1,200 for Lab Reagents). 5 are awaiting manager approval. Would you like the details for PO-2024-001?

U What is the stock level for 'Sterile Gauze' at Main Hospital?



At Main Hospital, 'Sterile Gauze' (SKU: GZ-100) has 250 boxes in stock. 50 boxes are currently allocated to the ER. Should I check for low stock on other wound care items?

U Show me our authorized medical vendors.



I've retrieved 12 authorized vendors, including 'Medline Industries', 'Cardinal Health', and 'Owens & Minor'. All have active contracts. Would you like to see the contact details for Medline?

Frequently Asked Questions

01 How does the Envi Healthcare Supply Chain MCP handle real-time stock updates?

It provides live data through tools like ``get_supply_stock_level``. This means you see what's available right now, accounting for allocated inventory.

02 Can I use Envi Healthcare Supply Chain MCP to list all my facilities?

Yes. The tool uses ``list_healthcare_facilities`` to give you a master list of every clinic and hospital configured in your organization's system.

03 What is the difference between ``list_medical_inventory_levels`` and ``get_supply_stock_level``?

``list_medical_inventory_levels`` gives you a broad report of stock across all sites. ``get_supply_stock_level`` narrows that down to give you the count for one specific item.

04 Does Envi Healthcare Supply Chain MCP help with vendor compliance?







It helps by allowing you to use ``list_medical_vendors``. You can quickly check if a supplier is authorized and view their contract status in the system.

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>"envi-healthcare-supply-chain": { "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

Envi Healthcare Supply Chain 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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