

M C P S E R V E R

N O C O D E

C L O U D H O S T E D

Inventory Value Total MCP for stock analysis.

Get instant financial clarity on your warehouse or retail holdings.

Inventory Value Total MCP gives your AI client the ability to calculate and analyze the monetary value of your stock. Instead of manually auditing spreadsheets, you can ask your agent to find high-value assets, summarize category density, or pull specific product valuations instantly. It turns your inventory data into actionable financial intelligence.

A+ Quality Score 100/100

inventory

valuation

stock

warehouse

retail

finance-tools



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.

Inventory Value Total MCP

4 tools available

Cloud-hosted on Vinkius

You can stop digging through rows of SKU data to figure out how much capital you have tied up in stock. This MCP connects your AI client directly to your inventory records so you can perform real-time financial audits through simple conversation. If you need a global view of your assets, your agent can pull the total monetary value of everything in your warehouse in seconds. You can also drill down into specific products to see unit costs and total holdings, or set custom price thresholds to identify which items represent your highest value. For broader management, the MCP provides summaries of how value is distributed across different product categories. It's built to handle the math and the data retrieval, leaving you to focus on the decisions that follow the numbers.

Core Capabilities

01 — Global Valuation

Your agent calculates the total dollar amount of all stock on hand.

02 — Threshold Monitoring

The AI identifies specific products that cross your defined price limits.

03 — Category Auditing

Your agent summarizes how much value is sitting in specific product groups.

04 — Granular Product Data

The AI pulls specific unit costs and quantities for individual SKUs.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/inventory-value-total — connect your AI agent in three steps.

- 01 Connect your AI client to the Vinkius hosted MCP.
- 02 Ask your agent a question about your inventory value or stock levels.
- 03 The agent invokes the necessary tool to pull and calculate the data.
- 04 You receive a direct answer with specific financial figures.

You connect the MCP to your AI client once and then start asking questions about your stock.

Built For

This MCP is designed for professionals managing physical goods who need fast financial answers without manual spreadsheet work.

Warehouse Managers

They use the AI to check stock density and total asset value quickly.

Retail Owners

They ask the agent to identify high-value items to manage risk.

Inventory Analysts

They hand off the heavy lifting of category summaries and valuation math to the AI.

What Changes When You Connect

- 01 Eliminates manual math by letting the AI handle all inventory calculations.
- 02 Speeds up audits by identifying high-value stock through natural language.

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- | | |
|----|---|
| 03 | Provides instant category breakdowns without complex pivot tables. |
| 04 | Connects directly to your existing inventory data via your preferred AI client. |
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Real-World Applications

Capital Assessment

Ask your agent for the total inventory value to understand current liquidity.

Risk Management

Use the high-value stock tool to see which items represent the most significant financial exposure.

Category Analysis

Get a summary of value distribution to see which product groups dominate your warehouse.

Individual SKU Audits

Pull a specific product valuation to verify unit costs and stock levels.

Patterns to Avoid

Manual Spreadsheet Math

❌ AVOID

You try to manually sum up thousands of rows in a CSV to find your total stock value. This takes forever and leads to human error.

✓ INSTEAD

Let your agent do the math instantly by using `get_total_inventory_value` instead.

Vague Financial Queries

❌ AVOID

You ask your agent to tell you if your inventory is doing well without providing any specific metrics or thresholds.

✓ INSTEAD

Be specific about what you need to see. Use `list_high_value_stock` to find items that cross a certain price limit.

Broad Category Guessing

❌ AVOID

You assume a specific product group is overstocked without looking at the actual dollar amounts tied up in it.

✓ INSTEAD

Get a clear picture of how value is spread across your warehouse by running `get_category_summary`.

The Right Fit

Connect this MCP if you manage physical goods and need instant financial clarity without opening a spreadsheet. Do not connect it if your inventory data is not digitized or if you only care about unit counts rather than monetary value. The decision rests on whether you need to know the dollar impact of your stock levels.

Inventory Value Total: 4 Specialized Financial Tools

These tools handle the heavy lifting of inventory math and financial auditing. Your agent uses them to pull real-time valuations and category breakdowns directly from your stock records.

#	TOOL	DESCRIPTION
01	get_category_summary	This tool returns an overview of stock density and how value is distributed within a specific category.
02	get_product_valuation	This tool provides a detailed financial breakdown for a single specific product.
03	get_total_inventory_value	This tool calculates the total monetary value of every item currently held in your inventory.
04	list_high_value_stock	This tool identifies all products that exceed a specific monetary threshold you set.

See It in Action

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

U What is the total value of my inventory?



The total value of your inventory is \$45,250.00 across 120 units.

U Show me the valuation for product ID PROD-001.



Product PROD-001 has a unit cost of \$15.00, with 100 units in stock, totaling \$1,500.00.

U List all products worth more than \$500.



The following products exceed the \$500 threshold: PROD-005 (\$1,200.00) and PROD-009 (\$750.00).

Frequently Asked Questions

01 How do I use this MCP with Claude or Cursor?

You connect to the Vinkius hosted MCP with one click. Once connected, your AI client can immediately use the inventory tools.

02 Can I find specific expensive items?

Yes. You can use the tool that identifies products exceeding a specific monetary threshold to find your high-value stock.

03 Does this work for retail or just warehouses?

It works for any environment managing physical stock, including retail stores and large warehouses.

04 Do I need to host the MCP myself?

No. Vinkius hosts and manages the MCP for you, so it is ready to use immediately after connection.

05 Can I get a breakdown of a single product?

Yes. The MCP includes a tool specifically for providing a detailed financial breakdown of individual products.

06 How can I see the total value of my entire inventory?

You can use the `get\_total\_inventory\_value` tool to calculate the cumulative monetary value of all items in your stock.

07 Can I filter the inventory value by a specific category?

Yes, the `get\_total\_inventory\_value` tool accepts an optional category name to filter the calculation.

08 How do I find products that are worth a lot of money?

Use the `list\_high\_value\_stock` tool and provide a minimum value threshold to identify products exceeding that amount.

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>"inventory-value-total": { "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

Inventory Value Total 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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Platform	Vinkius Cloud for AI Agents
Endpoint	https://edge.vinkius.com/{token}/mcp

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