

MCP SERVER

NO CODE

CLOUD HOSTED

Akeneo PIM MCP for AI Agents

Manage e-commerce product metadata and catalog consistency

Akeneo PIM connects your AI agent directly to your Product Information Management system, letting you manage entire product catalogs using natural conversation. You can audit metadata across multiple channels, update attributes on the fly, and map complex category trees without writing a single API call.

A+ Quality Score 100/100

product-information-management

pxm

catalog-management

product-metadata

e-commerce-data

data-enrichment



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.

Akeneo PIM MCP

10 tools available

Cloud-hosted on Vinkius

Managing e-commerce data used to mean clicking through dozens of tabs or running brittle scripts just to check if all your product details were consistent globally. This MCP changes that. It lets you talk to your catalog—your AI agent handles the deep, complex work of product orchestration. You can audit everything from technical metadata to localized descriptions and manage category structures simply by asking a question.

The system surfaces tools for listing products, updating specific attributes, or auditing taxonomy trees across multiple market channels. If your team relies on keeping its catalog accurate across different sales regions, this MCP is built for you. It makes sense to connect through Vinkius because it gives you access to thousands of other services in one place. You just point your AI client at the Vinkius Catalog and get started.

It's about getting product data governance from a tedious chore into a simple conversation with your agent.

Core Capabilities

01 – List and retrieve product data by identifier

Retrieves detailed metadata for specific products.

03 – Audit and list category hierarchies

Checks the structural integrity of your entire product classification system.

05 – Verify multi-market configuration status

Confirms which sales channels and languages are enabled for your catalog data.

02 – Update attributes on existing products

Modifies attribute values across a group or single product.

04 – Inspect all available metadata attributes

Views the schema structure by listing all defined product attributes and attribute families.

One Click on Vinkius — From Prompt to Execution

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

- 01** Subscribe to this MCP on Vinkius and provide your Akeneo Base URL, Client ID, Secret, Username, and Password.
- 02** Connect your preferred AI client (like Cursor or Claude) to the Vinkius Marketplace via the connected credentials.
- 03** Ask your agent a question about your catalog—for example, 'List all products in the Electronics family that are missing weight metadata.' —and it executes the necessary tool calls.

The bottom line is you get conversational control over highly technical e-commerce backend data.

Built For

This MCP is essential for e-commerce operations teams, product managers, and data stewards who spend too much time manually verifying catalog consistency across multiple sales channels. If your job involves maintaining a clean, accurate source of truth for every single SKU, this tool saves hours.

E-commerce Manager

Uses the MCP to automate product status updates and monitor catalog consistency across all configured channels.

PIM Steward

Audits attribute values, manages category assignments, and verifies data integrity for complex product lines effortlessly.

Product Owner

Researches product technical specifications and localized content by querying the system using simple natural language commands.

What Changes When You Connect

- 01** Use 'get_product_details' to instantly research a product's technical specifications or localized content without navigating multiple backend screens.

-
- 02 Maintain data integrity by using 'list_categories' and 'get_category_details' to audit your taxonomy, ensuring every product is correctly classified across all regions.

 - 03 Keep global listings accurate with the ability to list channels and locales. You can verify if a product is configured for both the Web and Mobile App.

 - 04 Efficiently fix data gaps by running an attribute oversight check using 'list_attributes' before a major product launch.

 - 05 Speed up operations by issuing direct commands, such as calling 'update_product', to correct status flags or metadata fields instantly.
-

Real-World Applications

Auditing Metadata Before Launch

A new product launch requires checking if all SKUs have necessary weights and dimensions. The agent runs 'list_attributes' to check the available schema, then uses 'list_products' combined with attribute checks to identify every single record missing critical data points.

Fixing Category Drift

Product lines are getting mixed up in the catalog. The agent calls 'list_categories' to map the existing taxonomy, then uses 'get_category_details' to confirm the correct hierarchical path for a newly added product type.

Global Localization Sync

The marketing team needs to confirm if a product is ready for a new market. The agent runs 'list_locales' first, then uses 'get_product_details' on the target SKU to verify it has localized descriptions and attributes enabled for that specific language.

Batch Data Correction

A supplier updated dimensions, but only some products were flagged. Instead of manual updates, the agent finds all affected products using 'list_products', and then executes 'update_product' across the entire set to fix the metadata.

Patterns to Avoid

Assuming universal product status

X AVOID

The user manually checks one product record, assuming its attributes are correct for all markets. This fails because it overlooks locale-specific requirements.

✓ INSTEAD

Before trusting the data, use 'list_locales' and then check a specific SKU with 'get_product_details'. This confirms that the metadata is properly configured not just generally, but specifically for every required language.

Ignoring taxonomy changes

X AVOID

A category name is updated in one area of the PIM, but the product classification remains untouched, leading to broken navigation on the website.

✓ INSTEAD

Always start by running 'list_categories' and then use 'get_category_details' for any critical path. This verifies that the hierarchy itself has been correctly modified before you update products.

Updating without checking scope

X AVOID

The user tries to fix a product attribute, but forgets which sales channels (e.g., Web vs. Mobile App) need that update, leaving the data inconsistent.

✓ INSTEAD

First, run 'list_channels' to see all active markets. Then, use 'get_product_details' and look at the output structure to ensure the attribute change is applied across every necessary channel.

The Right Fit

Use this MCP if your core pain point involves auditing metadata consistency or managing product taxonomy across multiple sales channels and locales. It's perfect for PIM Stewards who need deep visibility into attributes, categories, and product records using simple conversations. Don't use it just because you need to fetch a single piece of data; if all you need is one SKU detail, a direct API call might be faster. However, if the task requires checking that metadata *across* multiple channels or auditing relationships (like verifying category trees), this MCP is necessary. If your needs are purely transactional—meaning you don't care about classification or consistency—you might just use a standard database connection tool instead.

Akeneo PIM MCP for AI Agents: Auditing Product Metadata Consistency

Manually ensuring that every product record is fully populated with technical metadata, descriptions, and attributes across all your sales channels is a massive chore. You're stuck clicking through different tabs—checking if the 'Weight' attribute exists for the US market but not the EU market, or verifying if the SEO keywords are present for both French and German locales.

With this MCP, you simply ask your agent to audit product data completeness. It runs checks on the entire catalog, identifying exactly which products have missing fields or inconsistent attributes across different channels. The result is a clean list of gaps, telling you precisely what needs fixing.

Akeneo PIM MCP for AI Agents: Managing Catalog Taxonomy and Categories

When your product line grows, managing the category tree—the taxonomy—becomes a nightmare. You spend hours cross-referencing old product IDs with new classifications to make sure

This MCP lets you ask it to list and audit your entire category structure. It verifies the integrity of the tree, helping you map out complex changes before they go live. You get a clear picture of how

the site navigation makes sense. This process is prone to human error because one wrong assignment breaks the customer journey.

everything fits together, making taxonomy management conversational.

Akeneo PIM: 10 Tools for E-commerce Data Orchestration

Use these tools to list products, update metadata, audit category trees, and verify product attributes across multiple markets.

#	TOOL	DESCRIPTION
01	<code>list_products</code>	Lists available products in your PIM, supporting pagination for large catalogs.
02	<code>get_product_details</code>	Retrieves detailed metadata for a specific product using its identifier or UUID.
03	<code>update_product</code>	Changes and updates attributes on existing products within the catalog.
04	<code>list_categories</code>	Lists all available category trees for auditing product classification structures.
05	<code>get_category_details</code>	Retrieves detailed metadata about a specific category path or node.
06	<code>list_attributes</code>	Lists all available product attributes and their types used across the entire catalog.
07	<code>get_attribute_details</code>	Retrieves detailed metadata about a specific attribute or attribute family.
08	<code>list_families</code>	Lists all defined product families within the PIM structure.
09	<code>list_channels</code>	Lists every configured sales channel (like Web or Mobile) connected to your PIM.
10	<code>list_locales</code>	Retrieves a list of enabled languages used for product data localization.

See It in Action

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

U Show me all products in the 'Electronics' family that haven't been updated this quarter.



Product Update Audit Report

Based on your request, I found 123 products needing attention. They fall into three main groups:

- **High Priority (Missing Metadata):** Headset v3 (missing 'Battery Life' attribute) and Desk Lamp XZ (no localized descriptions for German).
- **Medium Priority (Stale Data):** Cable Organizer 101 (last updated > 90 days ago).
- **Low Priority:** Three items ready to go.

Would you like me to run an `update_product` command on the 'Battery Life' field for these 3 records?

U What attributes does my PIM have available under the 'Marketing' group?



Available Attributes: Marketing Group

I pulled a list of all related product attributes. You currently have:

- `SEO_Keywords` : (Text, required)
- `Promotional_Text` : (Long Text, optional)
- `Description_EN` : (Rich Text, required)
- `Weight` : (Number, required for US locale only).

Let me know if you want to see the validation rules or audit which products are missing these fields.

- U** List the top 5 best-selling product categories.



Top Categories by Sales Volume (Last Quarter)

RANK	CATEGORY NAME	UUID	CURRENT STATUS
1	Electronics	ecom-001	Active
2	Furniture	ecom-005	Needs Review
3	Accessories	ecom-012	Active
4	Lighting	ecom-007	Active
5	Home Goods	ecom-009	Active

Please note: The Furniture category needs a review of its attribute standards before next quarter's planning.

Frequently Asked Questions

01 How can the Akeneo PIM MCP help me audit my product metadata?

The MCP lets you check your entire catalog's data quality conversationally. You don't have to write complex queries; just ask it to find products missing specific attributes or confirm that all fields are populated for a new market.

02 Is the Akeneo PIM MCP good for managing category changes?

Yes, absolutely. It lets you list and audit your category trees so you can visualize how any change in classification will affect product visibility before implementing it. You get a clear map of your entire taxonomy.

03 Does the Akeneo PIM MCP cover multiple languages?

Yes, it handles multi-market data. It lets you list all enabled locales and verify that specific product records have localized attributes and descriptions for every language you sell in.

04 What if I need to fix a bunch of products at once?

You can automate fixes using the MCP. You tell your agent which attribute needs correcting, and it runs through listing tools like 'list_products' and then applies the change across many records with one command.

05 Is this better than just calling the API directly?







This MCP wraps all that complexity up into a natural conversation. Instead of needing to know which endpoint to hit, you just ask your agent in plain English, and it executes the correct sequence of tools for you.

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>"akeneo-pim": { "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

Akeneo PIM 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

INDEPENDENT PLATFORM DISCLAIMER

Vinkius is an independent platform and is not affiliated with, endorsed by, sponsored by, verified by, or otherwise authorized by Akeneo PIM. All third-party trademarks, logos, and brand names are the property of their respective owners. Their use in this document is strictly for informational purposes to identify service compatibility and interoperability.

DOCUMENT INFORMATION

Generated	June 2026
MCP Server	Akeneo PIM MCP
Server ID	019d754b-7b38-727a-a14f-c02675be3940
Platform	Vinkius Cloud for AI Agents
Endpoint	https://edge.vinkius.com/{token}/mcp

LICENSE & USAGE

This document is generated automatically by the Vinkius PDF Engine. Content reflects the MCP server configuration at the time of generation and may change as updates are deployed. For the most current information, visit vinkius.com/mcp/akeneo-pim.