

MCP SERVER

NO CODE

CLOUD HOSTED

Canto MCP for AI Agents

Organize and manage entire media asset libraries with Canto

Canto MCP gives your AI agents total control over massive digital asset libraries. Stop wasting time navigating folders; instead, talk to your media collection and manage assets—from finding specific images to restructuring entire album collections—using natural language commands.

F Quality Score 8.08/100

digital-asset-management

media-library

file-organization

brand-assets

content-storage

collaboration



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.

Canto MCP

10 tools available
Cloud-hosted on Vinkius

Managing a large brand asset library used to mean endless clicking through folder after folder, manually checking metadata, and hoping you didn't lose that key design file. This MCP changes that entirely. You connect your Canto Digital Asset Management account, and suddenly, your AI client can talk directly to your entire media vault. Need all the campaign banners from Q3? Just ask. Want to check if a specific image has the right copyright tag before sending it out? The agent handles it. It lets you build complex structures, creating new folders or grouping related assets into albums without touching the UI. If an asset is obsolete, you can flag it for clean removal. Because this capability lives within the Vinkius catalog, your AI client accesses all these powerful features in one place, letting you organize and maintain your media library through simple conversation.

Core Capabilities

01 — Search assets across all folders

Find specific images or files anywhere in your entire Canto vault without having to manually navigate directory structures.

03 — Curate themed collections (Albums)

Generate new albums that group related assets, allowing you to curate collections of images for specific campaigns.

05 — Assign assets to albums

Move identified images or files into existing UI albums so they are properly tracked and don't get lost in storage clusters.

02 — Create and manage folder hierarchies

Build new organizational boundaries or create nested project folders using simple conversational commands.

04 — Analyze and correct image metadata

Pull detailed information from an asset's properties or automatically rewrite tags (like 'approved') across multiple files at once.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/canto — connect your AI agent in three steps.

- 01 Subscribe to this MCP on Vinkius, then enter your Canto domain credentials and API access token.
- 02 Your AI client connects, giving it full read/write permissions across your media library's structure and data.
- 03 You simply ask your agent a natural language question—like 'Find all product mockups from 2025 and put them in the Q1 folder.'—and watch it execute the changes.

The bottom line is, you get to treat your entire digital asset library like a database that responds to conversation rather than a file system that requires constant clicking.

Built For

Anyone who spends time in a DAM system and wishes they could just talk their way through the chaos. This is essential for Brand Managers, Digital Asset Coordinators, and Content Creators whose jobs revolve around finding and organizing high volumes of media.

Digital Asset Coordinator

You use this to structure massive libraries, creating new folders and albums automatically based on project scope or date ranges.

Brand Marketing Manager

You ask the agent to find every instance of a specific logo across hundreds of assets and then update their metadata tag to reflect current usage guidelines.

Content Creator

You use it to gather deliverables for a client, telling the agent to compile all related images into a new album so you don't miss anything.

What Changes When You Connect

-
- 01 Finding specific assets is instant. Instead of manually navigating nested folders, you just ask the agent to run a global search across your entire vault.

 - 02 Structure creation is fast. You can tell the AI client to create multiple new folders and albums in one command, instantly building out complex project pipelines.

 - 03 Metadata management becomes bulk work. Use `patch_image_metadata` to update thousands of tags or validate schemas across assets without opening a single file.

 - 04 Storage cleanup is simple. You can ask the agent to identify orphaned files—assets that are stored but not assigned anywhere—and flag them for removal.

 - 05 Curation is easy. When you need to compile all materials for an upcoming campaign, you simply tell it to gather everything into a new album using `create_canto_album`.
-

Real-World Applications

Audit brand consistency across assets

A Brand Manager needs to confirm if all product images used for the 'Fall Collection' have the correct copyright tag. They ask their agent, which uses ``get_image_metadata`` and ``global_asset_search``, retrieving a list of every asset ID and its current owner/tag status for immediate review.

Clean up outdated marketing content

A Marketing Coordinator notices old campaign assets cluttering the main folders. They ask their agent to identify files that haven't been touched in two years and use ``wipe_media_asset`` to permanently clear them from the vault.

Prepare assets for an upcoming product launch

A Product Team has hundreds of final mockups. They ask the agent to gather all these files into a new, dedicated album using ``create_canto_album`` and then assign them using ``assign_asset_album``, keeping them separate from drafts.

Build out a new department structure

A team leader needs a dedicated space for '2026 Year-End Reporting.' They ask their agent to first create the top folder using ``create_canto_folder``, and then populate it with subfolders for 'Finance,' 'HR,' and 'Legal.'

Patterns to Avoid

Manually checking every image tag

X AVOID

A user copies the asset ID of one image, opens the metadata panel, checks the tag, closes it, and repeats this process for 50 different assets to confirm a status.

✓ INSTEAD

Instead, ask your agent to 'Get the metadata for all these assets' using ``get_image_metadata`` or run a targeted search. The result is an instant list of properties for every file.

Using vague search terms

X AVOID

The user searches the Canto UI for 'Marketing stuff,' which returns thousands of unrelated results, forcing them to click through dozens of folders just to find the right campaign.

✓ INSTEAD

Use ``global_asset_search`` and tell your agent exactly what you need: 'Find all high-resolution banner images tagged with Q4 2025.' It bypasses manual navigation.

Losing track of final deliverables

X AVOID

A Content Creator finishes a set of photos, but because they were dumped into the main folder, it's hard to distinguish them from drafts or other projects.

✓ INSTEAD

Have your agent automatically create an album for those files using ``create_canto_album`` and assign the assets using ``assign_asset_album``. They are immediately grouped and separated.

The Right Fit

Use this MCP if your pain point is organizational scale. If you have more than a few hundred media assets, talking to the library via natural language is necessary. This shines when you need to perform bulk actions—like updating metadata across 500 files or restructuring 10 folders at once. Don't use it if all your assets are already perfectly organized into single, small project folders; that's overkill. If your main goal is just viewing a few images and downloading them manually, this MCP adds unnecessary complexity. You need the power of tools like `global_asset_search` or `patch_image_metadata`—actions that require system-wide knowledge.

Canto MCP for AI Agents: Solving Media Asset Organization Problems

Right now, organizing a large media library involves logging into the DAM, navigating deep folder hierarchies, and manually checking asset properties. If you need to find every image tagged 'Approved' from last year, or if you just need to compile 40 related photos for a presentation, you spend hours clicking through folders and running multiple searches. It's tedious, slow, and easy to miss something.

With this MCP, the same task is conversational. You tell your agent: 'Find all final product mockups from 2025 that are not yet assigned.' The system executes a deep search and returns only what you need, letting you instantly build new collections or update metadata with simple prompts.

Canto MCP for AI Agents: Improving Brand Asset Metadata Management

A common headache is maintaining consistent brand tags. When a marketing campaign finishes, dozens of assets need their metadata updated—the old tag needs to go, and the new one must be

This MCP lets you automate that tedious process using tools like `patch_image_metadata`. You simply tell your agent: 'Change all instances of the old logo's metadata tag to the current approved

applied across hundreds of files so no one uses outdated material.

version.' Your changes are instant and visible everywhere, guaranteeing brand consistency every time.

Manage Canto Media Assets: 10 Tools for Organization & Metadata

Use these functions to structure folders, manage albums, find specific assets, or modify the technical data attached to your media files.

#	TOOL	DESCRIPTION
01	<code>assign_asset_album</code>	Designates specific media assets to existing UI albums, keeping them organized and trackable.
02	<code>create_canto_album</code>	Generates entirely new collections or 'albums' within the Canto structure for grouping content.
03	<code>create_canto_folder</code>	Provisions a brand-new, structured directory boundary inside your overall media vault.
04	<code>wipe_media_asset</code>	Permanently deletes specific media assets from the database after confirming they are obsolete or redundant.
05	<code>get_album_assets</code>	Retrieves a comprehensive list of all assets contained within any specified album boundary.
06	<code>get_image_metadata</code>	Extracts detailed technical and descriptive properties from specific images, like camera settings or creator tags.
07	<code>global_asset_search</code>	Performs a deep search across all folders to find assets matching complex criteria without manual browsing.
08	<code>list_canto_albums</code>	Lists every active album available in your Canto workspace for reference and selection.
09	<code>list_canto_folders</code>	Identifies all existing folder boundaries within the main Canto vault structure.
10	<code>patch_image_metadata</code>	Applies automated updates or validation checks to an asset's custom metadata fields.

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 high-res images related to 'Summer Campaign 2025' that I can use for our website.



Search Results: Summer Campaign Assets

Found 18 assets matching your criteria. They are categorized as follows:

- **Hero Banners:** (3 files) High-res, approved usage.
- **Lifestyle Shots:** (7 files) Available for web use.
- **Metadata Status:** All found assets were last tagged: `Season/Summer 2025` and have a file size between 1MB and 8MB.

I can create an album containing these 10 best shots if you want to keep them together.

- U** We need a new folder for 'Legal Review' and put all the draft assets there.



Action Complete

Two steps finished:

1. **Folder Created:** Successfully provisioned the 'Legal Review' directory (ID: F4L...).
2. **Assets Moved:** 35 assets were identified and moved into a new album nested inside that folder, ready for review.

U Check all my current albums and tell me which ones are missing any assets.



Album Audit Report

I checked the 12 active albums. Here's a quick status:

- **✅ Q3 Campaign:** Full (98/100 assets)
- **🟡 Product Drafts:** Needs attention (Missing 5 assets)
- **❌ Archive 2024:** Empty.

I found the missing 5 product drafts. They are currently located in your main 'Unsorted' folder.

Frequently Asked Questions

01 How do I use Canto MCP to find specific images across my entire library?

You just ask your agent for the assets you need. Instead of clicking through folders, you can tell it exactly what search terms or criteria to look for, and it performs a deep scan of every corner of your vault.

02 Can Canto MCP help me organize my media files into groups?

Yes. You can ask the agent to create new albums that gather related assets from different places. This is perfect for compiling all the final pieces needed for a single campaign.

03 What if I need to update tags on hundreds of images? Is Canto MCP good for that?

It's excellent for batch work. You can tell the agent which tag needs changing (e.g., from 'Draft' to 'Approved'), and it applies that change across all specified assets instantly, saving hours of manual effort.

04 Does Canto MCP allow me to create new folders and albums?

Absolutely. You can ask the agent to build out complex folder structures or provision entirely new album collections with a single prompt. It handles the creation process for you.

05 Is this just for looking at files, or can it delete old assets too?







It's fully capable of managing cleanup. You can ask it to identify obsolete data and even permanently remove media assets that are no longer needed from the live database.

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>"canto": { "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

Canto 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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