MCP SERVER | NO CODE | CLOUD HOSTED

Cloudinary MCP for AI Agents

Manage and audit image, video, and asset transformations

Cloudinary manages your entire media library directly through conversation. This MCP lets you track usage, audit transformations, and manipulate images or videos—all without opening the web dashboard. You get full control over asset resources from any AI agent.

A Quality Score 90/100

media-optimization | digital-asset-management | image-transformation | video-processing | cdn | asset-tracking

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vinkius.com/mcp/cloudinary

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.

Cloudinary MCP

8 tools available
Cloud-hosted on Vinkius

Managing digital assets often means clicking through complex dashboards just to check a quota or find an old file. With this Cloudinary MCP, you take that process out of the console and into your chat interface. Your AI client connects directly to your cloud storage, giving you full control over every image, video, and transformation.

You can ask your agent things like, “What was my bandwidth usage last month?” or “List all high-resolution product shots tagged ‘summer’”. It retrieves the data immediately. If an asset is wrong, you can even permanently delete it using a simple command. Because this MCP connects through Vinkius, you get reliable access to Cloudinary's entire suite of media logistics tools right where you already work.

Core Capabilities

01 — Audit overall usage and quotas

Retrieve core reports detailing how much storage, bandwidth, or transformation capacity you have consumed.

02 — Inventory and locate media assets

List all existing images and videos in your cloud library, or perform detailed searches using complex filtering expressions.

03 — Manage metadata and organization

View tags, folders, and transformation definitions used across the entire collection of assets.

04 — Process and delete resources

Permanently remove unwanted media files or get detailed information on any specific asset you locate.

One Click on Vinkius — From Prompt to Execution

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

01 Subscribe to this MCP, providing your Cloudinary API Key, Secret, and Cloud Name.

02 Connect your preferred AI client (like Claude or Cursor) through Vinkius. The client authenticates using the provided credentials.

03 Ask your agent natural language questions—for example, 'Show me all assets tagged marketing'—and the MCP executes the necessary calls to retrieve results.

The bottom line is that you treat your media library like a searchable database inside your chat window.

Built For

This MCP is for anyone whose job requires managing large volumes of digital assets, from marketing teams needing quick usage reports to developers auditing transformation URLs. It eliminates the need to constantly switch between a complex cloud dashboard and your workflow.

Content Manager

Needs to quickly check which high-resolution versions of assets are available or list all media resources tagged for a specific campaign.

Developer

Must verify if the correct delivery URLs and transformation presets are configured before deployment, without logging into the full platform dashboard.

Operations Team Lead

Needs to monitor storage utilization and track transformation quotas across multiple departments to prevent overages.

What Changes When You Connect

01 Stop jumping between tabs. You can monitor your entire media library and organize assets using natural language through this MCP.

02 Get immediate visibility into costs by accessing the core usage report (Storage, Bandwidth, Transformations) directly from your chat.

03 Need to find an old asset? Use advanced searching via `search_media_library` to locate specific files instantly without remembering complex IDs.

04 Maintain clean records by reviewing all tags and folders using `list_media_tags`, ensuring assets are properly categorized before deployment.

05 If a file is obsolete, you can permanently remove it with the `delete_media_resource` tool. This prevents clutter and unnecessary costs.

06 Developers get to audit asset transformations and verify delivery URLs for any resource without ever opening the main dashboard.

Real-World Applications

Inventorying assets after a campaign

A content manager needs to know all high-resolution images used in the 'Summer Sale' line. They ask their agent, and it uses `list_media_resources` combined with tags to return a list of every relevant asset ID.

Auditing usage before year-end billing

An ops team lead asks the agent for the current cloud storage quota. The MCP calls `get_cloudinary_usage_report`, showing them exactly how much bandwidth and transformation capacity remains, preventing unexpected overages.

Finding a specific video asset

A marketing team member can't remember the name of an old product demo. They ask their agent to `search_media_library` for 'Product Demo MP4 2022', and it returns the correct, secure URL immediately.

Cleaning up unused media

A developer finds several outdated placeholder images. They instruct the agent to `list_media_resources` to find them, confirming their public IDs, before executing `delete_media_resource` for cleanup.

Patterns to Avoid

Copy-pasting URLs manually

✗ AVOID

A user finds a file in the dashboard and has to copy its URL and then paste it into a separate spreadsheet or document, risking broken links or incorrect parameters.

✓ INSTEAD

Instead of copying, ask your agent for the asset's secure URL using `get_media_resource_details`. This provides clean data ready for immediate use in any system.

Guessing resource IDs

✗ AVOID

A user remembers a file was related to 'Q3 Marketing', but they can't recall the exact ID or public key, so they spend minutes clicking through folders trying to locate it.

✓ INSTEAD

Use `list_media_resources` combined with descriptive search expressions via `search_media_library`. You find assets by what they contain, not just where they live.

Ignoring usage limits

✗ AVOID

A team runs a massive campaign that unexpectedly spikes bandwidth usage because nobody checked the quota first. The project stalls until the billing department intervenes.

✓ INSTEAD

Before running large jobs, always check your budget by asking for the `get_cloudinary_usage_report`. This gives you clear metrics on storage and transformation capacity.

The Right Fit

Use this MCP if managing media assets is a core part of your workflow. Specifically, it's essential when you need to audit usage (like checking bandwidth with `get_cloudinary_usage_report`) or search across thousands of files without opening the dashboard. Don't use this if your only goal is simple viewing; for that, the Cloudinary website works fine. However, if your process requires auditing tags (`list_media_tags`), deleting old assets (`delete_media_resource`), or getting granular details on specific resources (`get_media_resource_details`), then this MCP is necessary. It acts as a command layer over the platform's API.

Cloudinary Asset Management via AI Agent for Content Teams

Right now, organizing assets means opening the Cloudinary dashboard, navigating through folders, and clicking into every file to check its usage or public ID. It's a tedious cycle of copy-pasting URLs and cross-referencing spreadsheets just to verify if an asset is ready for print.

With this MCP, you talk to your agent instead. You ask it to list all assets tagged 'hero' in the last month, and it gives you a clean, actionable report listing everything you need. The result moves from hours of manual clicking down to one conversation.

Cloudinary Media Audit with AI Agent for Development Teams

Developers typically waste time manually verifying that the correct transformation rules are applied and that all necessary upload presets exist. This means checking dashboards just to confirm if a file can be resized correctly or if the asset ID is valid.

Now, you simply ask your agent to list all media transformations. It verifies every named rule and checks for usage details instantly. You get confirmation on asset readiness without ever leaving your development environment.

8 Tools for Cloudinary Media Asset Management

Use these tools to list resources, check usage reports, search the library, or delete specific media files directly from your AI client.

#	TOOL	DESCRIPTION
01	`delete_media_resource`	Permanently removes a selected media file from the cloud library.
02	`get_media_resource_details`	Fetches specific data points for any single media asset, like its format and public ID.
03	`list_upload_presets`	Provides a list of all standardized upload templates configured within your account.
04	`get_cloudinary_usage_report`	Retrieves the current usage status and quota reports for storage, bandwidth, and transformations.
05	`list_media_resources`	Generates a comprehensive list of all images and videos currently stored in your cloud account.
06	`list_media_tags`	Shows every tag you have applied across your entire media collection.
07	`list_media_transformations`	Lists all named and dynamic rules used to resize or modify assets.
08	`search_media_library`	Finds specific media resources by running advanced search expressions against your entire library.

See It in Action

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

U Show me the usage report for storage and bandwidth.

Cloudinary Usage Report

- **Storage Used:** 1.2 GB (Total Limit: 5 GB)
- **Bandwidth Used:** 850 GB (Usage Trend: Stable)
- **Transformations Run:** 4,500 times last month.

You're currently at 24% storage capacity, which is healthy. The bandwidth usage suggests a slight uptick in video delivery.

U List all assets tagged 'Q3 Marketing'.

Found 7 Assets for Q3 Marketing

ASSET ID	TYPE	TAGS	STATUS
`prod-01`	Image	marketing, hero	Active
`banner-v2`	Image	marketing, banner	Needs Review
`video-q3`	Video	marketing	Ready to Use

Would you like the secure URL for any of these?

U What are my available upload presets?

Configured Upload Presets:

The following standardized upload templates are active:

1. `product-standard`: Optimized for e-commerce listings (JPG, WebP).
2. `social-square`: 1:1 ratio, high compression for Instagram.
3. `video-hero-trailer`: High bitrate MP4 optimized for landing pages.

Frequently Asked Questions

01 **How does the Cloudinary MCP help me manage media assets?**

It brings your entire cloud media library into natural conversation. You can ask questions about usage, search for specific files by tag or type, and even get direct links to the assets without logging into the dashboard.

02 **Can I check my storage quota using Cloudinary MCP?**

Yes. The MCP retrieves a detailed report on your current usage across storage, bandwidth, and transformations. This lets you monitor your quotas instantly to avoid unexpected overages.

03 **What if I need to delete an old asset? Can the Cloudinary MCP do that?**

Absolutely. You can use the agent to locate the specific media resource and then permanently delete it, keeping your library clean and preventing unnecessary billing charges.

04 **Is this better than just browsing the Cloudinary website?**

It is faster because you don't have to navigate menus. You simply ask your agent what you need—for example, 'Show me all videos uploaded last week'—and it delivers a clean list right away.

05 **Does Cloudinary MCP help developers test asset URLs?**

Yes. Developers can get detailed information on any resource, confirming its public ID and secure URL directly from the chat. This saves time auditing transformations without opening development tools.

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 `"cloudinary": { "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

Cloudinary 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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