

MCP SERVER

NO CODE

CLOUD HOSTED

Payload CMS MCP

Manage site content and globals from your chat.

Payload CMS MCP connects your AI agent directly to your headless content management system. Query collections, update documents, and manage global site settings using natural language commands against the Payload REST API.

F Quality Score 3.6/100

backend-framework

api-driven

content-modeling

rest-api

data-collections

web-development



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.

Payload CMS MCP

10 tools available

Cloud-hosted on Vinkius

Managing a large website's content usually means juggling multiple admin dashboards just to make one small change. With this connector, you tell your agent what needs doing, and it handles the backend communication with your CMS. You can ask your agent to find all product listings that haven't been updated in six months, or maybe update the main site footer text across every page. It treats your content—the documents, the global settings, even user preferences—like a database you talk to. Because this MCP is hosted on Vinkius, you get access to reliable, structured actions for your CMS right from any of your preferred AI clients. You don't need to log into the backend; you just ask, and it executes the required API calls.

Core Capabilities

01 — Retrieve specific content records

Find single documents or lists of documents across any collection using unique identifiers or complex search filters.

03 — Remove obsolete records

Permanently delete documents, preferences, or other content types directly through an agent command.

02 — Modify existing site data

Change the contents of a document, global setting, or user preference by providing a new payload structure.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/payload-cms-alternative — connect your AI agent in three steps.

- 01 Subscribe to this MCP and provide the base URL for your Payload CMS instance.
- 02 Optional: Supply API keys or authentication slugs if your site requires protected access.
- 03 Your AI agent uses these credentials to construct and execute structured API calls based on your natural language request.

The bottom line is that you skip the UI entirely; your content changes are managed via secure, conversational instructions.

Built For

Content managers who get frustrated having to switch between a CMS and a spreadsheet just to track content status. Developers needing quick ways to verify API responses without running local scripts. Product owners who need to audit site data before launching new features.

Technical Content Manager

Needs to check the publication status of 50 articles and update the boilerplate copy in the global header, all without opening the admin panel.

Frontend Developer

Wants to query production data directly from their code editor to ensure an endpoint is returning the correct format before writing client-side logic.

Product Owner

Needs to run a bulk content audit, finding every document in a specific collection that lacks required metadata fields for a quarterly review.

What Changes When You Connect

- 01 Speed up audits by using `find_many` to query large collections. Instead of building complex queries in the admin panel, you simply ask for 'all draft posts' and get a list immediately.

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- 02 Never lose track of global settings again. Use `get_global` and `update_global` to read or change site-wide elements like footers or header logos without opening the dedicated configuration page.

 - 03 Automate content drafting by using `create_document` to quickly populate new entries with structured data, bypassing manual form entry entirely.

 - 04 Maintain clean data hygiene. You can `delete_document` and `delete_preference` directly through your agent when an item is obsolete, ensuring your CMS remains accurate.

 - 05 Handle complex relationships easily. When searching for content, the system manages relationship depth so you get all necessary related items in one go.
-

Real-World Applications

Auditing outdated site copy

The product team needs to know which articles haven't been touched in 18 months. The agent uses `find_many`, filtering by last modified date, and returns a list of IDs and titles for review.

Testing a content migration

A developer needs to verify that 10 specific product documents exist in staging. Running `find_by_id` for each ID confirms existence and structure without manual API calls.

Fixing the main footer text

The marketing team realizes the site footer copy is wrong. They ask the agent to `update_global` on the 'footer' setting, specifying the correct new text instantly.

Onboarding new users' defaults

The system automatically runs an agent command to `update_preference`, setting the default language and timezone for a newly registered user account.

Patterns to Avoid

Treating it like a simple key-value store

X AVOID

Thinking that simply finding an ID is enough to see all related information, or trying to update complex data without knowing the required JSON structure.

✓ INSTEAD

Always use `find_many` if you need filtered results (like 'all posts in category X'). If you are modifying content, reference the specific documentation for the payload schema to ensure proper updates using `update_document`.

Relying on UI buttons

X AVOID

Expecting the agent to know which button needs to be clicked or where a setting is located in the CMS backend.

✓ INSTEAD

The MCP works by speaking directly to the API. Focus your prompts on data operations: 'Find me X' or 'Change Y to Z'. Use `get_global` for site-wide settings, not visual descriptions.

Trying to query unrelated services

X AVOID

Asking the agent to check stock levels in an inventory system after fetching content data.

✓ INSTEAD

This MCP only controls Payload CMS. If you need external data—like stock or payment info—you must connect a separate MCP for that service.

The Right Fit

Use this if your primary workflow involves managing structured content, site configuration, and user preferences within the Payload CMS environment. It's perfect when your job is defined by 'read data,' 'write data,' or 'change settings.' Don't use it if you need to build a visual component (that requires front-end code) or interact with external systems outside of content modeling (like payment gateways). If your goal is simply viewing the site, this isn't necessary; but if your goal is modifying what *powers* the site, this MCP gives you direct API control. Remember that using tools like `find_by_id` and `update_document` requires precise knowledge of IDs and data structures.

The Friction of Content Updates

Today, changing a simple headline or updating a product description often means navigating deep into the CMS admin panel. You click to the right collection, find the exact document ID, scroll past old content, manually adjust text in the rich-text editor, and then hit save. If you have dozens of updates across different sections—from the main page banner to related boilerplate copy—you're doing that cycle repeatedly.

With this MCP, your agent handles the complexity. You just tell it: 'Update the site hero banner text to our new slogan.' The agent knows exactly which global field needs modifying and sends the precise command, giving you the change in seconds without ever opening a single admin tab.

Using Payload CMS with `find_many`

Before this MCP, if product teams needed to audit all articles that mentioned 'AI' but hadn't been reviewed recently, they had to manually build a complex filter query within the collection view. This process was slow and often required technical help just to run the report.

Now, you prompt your agent: 'Find me every post in the blog collection mentioning AI created before June.' The agent executes `find_many` using all the necessary filters and gives you the exact list of documents needing attention.

Payload CMS Alternative: 10 Tools

These tools give your AI agent the ability to perform every core content operation against your Payload CMS backend, from creation to deletion.

#	TOOL	DESCRIPTION
01	<code>create_document</code>	Generates and saves a brand new entry into any specified content collection.
02	<code>delete_document</code>	Removes a specific document from a collection using its unique identifier.
03	<code>delete_preference</code>	Deletes a user's stored site preference record.
04	<code>find_by_id</code>	Retrieves the full data payload for one document when you know its exact ID.
05	<code>find_many</code>	Searches and returns a list of multiple documents based on defined criteria or filters.
06	<code>get_global</code>	Fetches the current configuration data for site-wide settings like headers or footers.
07	<code>get_preference</code>	Retrieves a specific user's saved preference data by ID.
08	<code>update_document</code>	Modifies the text, metadata, or other fields of an existing document in a collection.
09	<code>update_global</code>	Changes site-wide settings for global configurations like navigation links or theme colors.
10	<code>update_preference</code>	Updates a specific user's saved preference data in the system.

See It in Action

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

U Find the last 3 documents in the 'posts' collection sorted by creation date.



I've retrieved the 3 most recent posts from your collection. They include 'New Features in v3', 'Getting Started with MCP', and 'API Best Practices'. Would you like to see the full content of any of these?

U Update the document with ID 673c2 in the 'products' collection to set the price to 49.99.



I have successfully updated the product (ID: 673c2). The price is now set to 49.99. Is there anything else you'd like to modify in this document?

U Get the current data for the 'header' global.



I've fetched the 'header' global data. It currently contains the site logo URL, a navigation array with 5 links, and a 'sticky' setting set to true. Do you need to update any of these fields?

Frequently Asked Questions

01 How does Payload CMS MCP handle complex searches?

It handles complexity through advanced filtering. You can use tools like `find_many` to query collections using specific criteria, allowing you to filter by date range, status, or multiple metadata fields.

02 Can I update global settings with Payload CMS MCP?

Yes. The `get_global` and `update_global` tools allow you to read and modify site-wide configuration data, like the main footer text or navigation links, without touching the visual editor.

03 What if I need to create multiple documents at once?

You can ask your agent to run a sequence of create_document calls. It treats each request as a distinct operation and executes them sequentially for you.

04 Is Payload CMS MCP only for published content?

No. The tools allow modification across the entire payload, including draft documents in various collections that might not be live on the site yet.

05 Does this MCP handle user accounts and passwords?







No. This connector focuses strictly on content modeling (documents, globals) and user preferences stored within the CMS, not user authentication or password management.

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>"payload-cms-alternative": { "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

Payload CMS 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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