

MCP SERVER

NO CODE

CLOUD HOSTED

# SEO Metadata Updater MCP

Optimize Titles, Descriptions, and Keywords by Post ID.

WordPress SEO Metadata Updater provides precise, zero-trust access to update the core SEO elements of existing WordPress posts. It lets your AI agent rewrite title tags, meta descriptions, and focus keywords for any post ID—automatically handling both Yoast SEO and RankMath plugins in one shot. This MCP is perfect for running bulk content audits or optimizing a single article's visibility without risking the actual page content.

**A+** Quality Score 100/100

seo-optimization

meta-tags

keyword-strategy

content-marketing

analytics



# 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

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## 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

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## 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

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## 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](https://cloud.vinkius.com) — connect your AI agent in under 60 seconds.

# WordPress SEO Metadata Updater MCP

1 tools available

Cloud-hosted on Vinkius

Managing blog metadata usually involves jumping between tools and worrying about plugin compatibility. This MCP gives your AI client surgical control over only what matters: the SEO fields of a post. Your agent can act like a senior analyst, taking raw content data and pushing optimized title tags, high-CTR meta descriptions, and target keywords directly into WordPress's required fields. It doesn't touch your core article text; it just handles the crucial information that gets read by search engines.

Because this MCP is hosted on Vinkius, you get a single connection point to manage these updates across different AI clients. You can feed it a post ID and watch it format perfectly optimized meta fields for both Yoast SEO and RankMath plugins simultaneously. It's an absolute containment unit—the agent cannot delete pages or mess with your private drafts. Just secure metadata updates.

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## Core Capabilities

### 01 — Optimize Post Titles

Your agent crafts optimized title tags for a given post ID.

### 02 — Create Meta Descriptions

It writes compelling, click-ready meta descriptions that improve search visibility.

### 03 — Set Focus Keywords

The tool establishes a single focus keyword for SEO tracking on existing content.

### 04 — Handle Multiple Plugins

It applies updates automatically, whether your site uses Yoast SEO or RankMath.

### 05 — Run Bulk Updates

You can combine this tool with other scripts to process metadata for many posts at once.

# One Click on Vinkius — From Prompt to Execution

Available at [vinkius.com/mcp/wordpress-seo-metadata-updater](https://vinkius.com/mcp/wordpress-seo-metadata-updater) — connect your AI agent in three steps.

- 01** First, you tell your AI agent which post ID needs optimizing and what the article is about.
- 02** The MCP processes that information, generating three optimized fields: title, meta description, and focus keyword.
- 03** Finally, it pushes those structured meta fields directly into WordPress's SEO database slots.

The bottom line is you get perfectly formatted metadata updates for your existing blog content without ever touching the main article body.

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## Built For

Digital marketers and technical writers who manage high-volume blogs. You're the person tired of manually logging into WordPress, switching between SEO plugins, and copy-pasting metadata fields for every single piece of content.

### SEO Specialist

Uses this MCP to audit dozens of posts quickly, ensuring every article has a unique, highly optimized title tag and meta description.

### Content Manager

Feeds the tool post IDs from an export list, letting the AI write and apply bulk metadata updates for content that's ready to go live.

### Web Developer

Integrates this MCP into custom workflows to build secure endpoints for managing site-wide SEO consistency without giving full database access.

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## What Changes When You Connect

- 01** Stops manual metadata entry. Instead of opening WordPress and clicking into three different plugin fields for every post, your agent handles the whole update in a single command using `update_wordpress_seo`.

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- 02 Maintains security while optimizing. Because this MCP only writes to meta fields, it absolutely cannot modify article content or delete pages—a surgical operation you can trust with client data.

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  - 03 Works across major plugins. You don't need to worry about whether your site uses Yoast SEO or RankMath; the tool updates both sets of necessary fields automatically.

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  - 04 Scales your audits instantly. Combine this MCP with a post ID list and process metadata for an entire archive in one session, saving hours compared to manual bulk uploads.

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  - 05 Ensures search parity. By updating all three critical elements—title, description, and keyword—you guarantee that search engines see the optimized data you intended.
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## Real-World Applications

### Updating a large content backlog

A marketing manager has 80 old articles that need better SEO. Instead of spending days manually editing each one, they ask their agent to process the list of post IDs through ``update_wordpress_seo``, instantly giving every article fresh meta tags.

### Fixing a competitor's poor metadata

An SEO specialist finds an old client site where titles are generic. They feed the tool the relevant post ID and instruct the agent to write compelling, unique descriptions that match modern search intent using ``update_wordpress_seo``.

### Content publishing consistency

A developer builds a system that automatically takes newly published content drafts and uses the MCP to apply optimized meta fields before they go live. This ensures every new article meets brand SEO standards from day one.

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# Patterns to Avoid

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## Giving too much access

### ✗ AVOID

Telling an agent to 'update the content' because you need better titles and descriptions. This might accidentally let it delete drafts or mess with formatting.

### ✓ INSTEAD

Only use this MCP, specifically `update_wordpress_seo`. Its limited scope guarantees that the agent can only touch the meta fields (title, description, keyword), keeping your core article content safe.

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## Using multiple disconnected tools

### ✗ AVOID

Running one tool to get keywords and a separate tool to write titles, then manually combining them. This adds friction and risks mismatched data.

### ✓ INSTEAD

Use `update_wordpress_seo` because it takes the post ID and handles title generation, description writing, and keyword setting all in one coordinated step.

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## Assuming plugin compatibility

### ✗ AVOID

Using a generic API endpoint that assumes only one SEO plugin is installed. The update fails silently or partially.

### ✓ INSTEAD

This MCP handles both Yoast SEO and RankMath keys simultaneously, making it reliably agnostic to which major WordPress SEO tool you run.

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## The Right Fit

Use this MCP if your primary goal is improving search engine visibility by updating the structured data around a post—specifically its title tag, meta description, or focus keyword. It's ideal for bulk audits, content refreshes, or ensuring consistency across large site archives.

Don't use this MCP if you need to change the actual words in the article body itself, modify images, update categories, or delete pages. For those tasks, you need a general-purpose WordPress integration that has broader write access. This tool is strictly limited to metadata updates; think of it as a high-security keyhole for SEO fields only.

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## The Metadata Headache

Right now, updating your site's SEO metadata feels like juggling three different dashboards. You have to copy the article title into one plugin's field, rewrite a compelling meta description in another, and then remember to set the focus keyword somewhere else. It's tedious, error-prone manual labor that slows down content velocity.

With this MCP, your agent handles it all by targeting just the required fields. Give it a post ID; watch it instantly generate and push perfectly structured title tags, meta descriptions, and keywords into both Yoast SEO and RankMath plugin slots.

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## Update WordPress SEO Metadata Updater MCP

The major manual steps that vanish are the repetitive copy-pasting across multiple fields and the worry about which plugin needs which specific key. You no longer have to check if your agent remembers to write meta tags for both Yoast *and* RankMath.

What's different now is speed and precision. Your focus moves from manual data entry to content creation, knowing that one single command handles the entire technical publishing requirement.

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# WordPress SEO Metadata Updater: 1 Tool

This tool lets your AI agent target specific post IDs to write and update the crucial SEO title, meta description, and focus keyword fields.

#	TOOL	DESCRIPTION
01	<code>update_wordpress_seo</code>	Updates the SEO metadata (title, description, focus keyword) of an existing WordPress post for both Yoast SEO and RankMath plugins using a specified post ID.

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## See It in Action

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

**U** Optimize the SEO of post #42. The article is about AI automation for small businesses.



I've updated the SEO metadata for post #42:

- **Title:** AI Automation for Small Business: The Complete 2026 Guide
- **Description:** Discover how small businesses are using AI automation to cut costs by 40%. Step-by-step guide with real examples. Try for free.
- **Focus Keyword:** AI automation small business

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## Frequently Asked Questions

### 01 Does WordPress SEO Metadata Updater MCP update the actual article text?

No, it only updates metadata. This MCP is designed for surgical operations and cannot modify your post content, delete pages, or change images.

### 02 Can I use this MCP if my site uses both Yoast SEO and RankMath?

Yes, the tool automatically handles fields for both major plugins in a single request. The WordPress REST API manages the keys so you don't have to worry about which plugin is active.

### 03 Is this MCP safe to run on my live site?

Yes, it's built with absolute containment. Since its function is strictly metadata-only, it poses zero risk of altering core content or deleting user drafts.

### 04 How do I use the `update_wordpress_seo` tool for a bulk list?

You combine this MCP with an external script that lists your post IDs. Your agent then loops through those IDs, calling `update_wordpress_seo` for each one sequentially.

## 05 What kind of data does the tool require to run?

You must provide three pieces of information: the numeric post ID, an optimized title string, a compelling meta description string, and a focus keyword. These are sent together in one call.







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# Go Live in 60 Seconds

Get your connection token from [cloud.vinkius.com](https://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
 <b>Claude AI</b>	Profile → Customize → Connectors → "+" → Add custom connector → Paste endpoint
 <b>Cursor</b>	Settings → Features → MCP Servers → "+ Add New MCP Server" → Type: SSE → Paste endpoint
 <b>VS Code</b>	Ctrl/Cmd+Shift+P → "MCP: Add Server" → add <code>"wordpress-seo-metadata-updater": { "url": "..." }</code>
 <b>Windsurf</b>	MCP Settings → <code>mcp_settings.json</code> → Add endpoint URL
 <b>ChatGPT</b>	Settings → Tools & plugins → Add MCP server → Paste endpoint
 <b>Gemini</b>	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

# WordPress SEO Metadata Updater 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](https://vinkius.com) · [support@vinkius.com](mailto:support@vinkius.com)

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### DOCUMENT INFORMATION

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