MCP SERVER | NO CODE | CLOUD HOSTED

Image SEO Auditor MCP

Automate full website media asset compliance checks.

Image SEO Auditor automatically checks your website images for violations that hurt search rankings or accessibility. This tool analyzes metadata, file sizes, alt text, and filenames across single images or entire collections. It gives you detailed reports so you can fix problems like empty alternative text or overly large files instantly.

A+ Quality Score 100/100

seo | images | accessibility | audit | web-performance

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vinkius.com/mcp/image-seo-auditor

SCAN TO VIEW

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.

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.

Image SEO Auditor MCP

3 tools available
Cloud-hosted on Vinkius

Managing a complex website means dealing with thousands of assets, and every image matters for SEO and accessibility. This MCP evaluates the technical health of your visual content. Instead of manually checking file sizes and alt tags one by one, you run an audit across huge sets of images to get a high-level summary of what's broken.

It doesn't just flag issues; it tells you *why* they are problems, whether it's because the filename is too generic or if the file size exceeds current best practices. You can even pull up the latest guidelines to make sure your strategy matches what search engines actually want right now. When you connect this via Vinkius, your agent handles all that heavy lifting, giving you clear reports so you know exactly where to start fixing things.

Core Capabilities

01 — Analyze a single image

It checks one specific photo for SEO and accessibility errors like poor alt text or bad filenames.

02 — Audit collections of images

You can run a bulk analysis across hundreds of photos to generate reports on the whole set at once.

03 — Retrieve scoring guidelines

It fetches the current best-practice rules and thresholds used for grading image quality.

One Click on Vinkius — From Prompt to Execution

Available at **vinkius.com/mcp/image-seo-auditor** — connect your AI agent in three steps.

01 Provide the tool with either a list of files to check or a specific image you want analyzed.

02 The MCP processes the metadata, file size, alt text, and filenames against current SEO standards.

03 You receive a detailed report showing every violation found and an overall score for the images submitted.

The bottom line is that it saves you from having to manually review image files and metadata in multiple dashboard tabs.

Built For

Anyone responsible for a website's content quality needs this. It's perfect for the SEO specialist who gets overwhelmed by asset counts, or the web developer tasked with making sure every piece of content is compliant and fast.

SEO Specialist

They use it to run deep audits on image collections, finding critical violations like generic naming schemes across thousands of product photos.

Content Manager

When uploading a major batch of blog images or landing page assets, they check every file individually and in bulk for required accessibility tags and optimal sizes.

Web Performance Engineer

They use it to benchmark the entire site's media library against current industry standards, ensuring no single image is slowing down load times unnecessarily.

What Changes When You Connect

01 You stop guessing about what search engines want. By calling `fetch_audit_guidelines`, you get the exact, up-to-date thresholds for file size and alt text needed for a great score.

02 Never audit images manually again. Using `audit_image_set` lets you feed it hundreds of files and instantly gets back a summarized report on critical violations across the entire site collection.

03 Catch single mistakes immediately. If you only need to check one hero image or product shot, running `inspect_single_image` gives you instant feedback on its specific metadata issues.

04 Improve accessibility compliance quickly. The tool flags missing alt text and generic filenames—two major common violations that trip up both search engines and screen readers.

05 Save hours of manual work. Instead of opening multiple dashboards, you pass the whole job to your agent; it analyzes the assets and returns a clean summary report.

Real-World Applications

The new product line launch needs perfect SEO.

A brand manager has 500 photos for a new collection. Instead of manually checking alt text on each, they use `audit_image_set`. The tool reports that 60% of the images have empty alt tags and most filenames are just 'IMG_1234'. This gives them an actionable list to fix.

The site is slow because of huge media files.

A web performance engineer suspects large image files. They first use `fetch_audit_guidelines` to confirm the optimal file size threshold, and then run `audit_image_set` to identify every oversized asset that needs compression.

Fixing a broken landing page before launch.

A content writer uploads the final hero banner image. They use `inspect_single_image` on the file and get instant feedback, noting that while the alt text is present, the filename is still generic and needs to be descriptive for better SEO.

Updating site-wide standards after a search algorithm change.

An SEO team lead uses `fetch_audit_guidelines` to pull the latest recommendations. They confirm that file size limits have dropped from 300KB to 200KB, and then use this guideline when running subsequent bulk audits.

Patterns to Avoid

Checking images one by one in the CMS.

✗ AVOID

The user opens their Content Management System (CMS) dashboard, clicks on a folder of 100 product photos, and then has to manually review each file's metadata tab to check its alt text.

✓ INSTEAD

Using general SEO tools.

✗ AVOID

A user runs a generic SEO audit tool that flags 'bad media.' This tells them nothing actionable; they don't know if it's the filename, the size, or missing alt text.

✓ INSTEAD

Ignoring current best practices.

✗ AVOID

The team fixes old issues but assumes the rules haven't changed. They use outdated thresholds for file sizes, leading to continued performance penalties from search engines.

✓ INSTEAD

✗ AVOID

✓ INSTEAD

Run `audit_image_set` on your collection, and before fixing anything, call `fetch_audit_guidelines` to ensure you are using the most current standards. This tells you exactly what's wrong and how big it needs to be.

The Right Fit

Use this MCP if your core problem is image compliance—specifically metadata issues like missing alt text, poor naming conventions, or incorrect file sizes across many assets. You need a structured audit against best practices.

Don't use it if you simply want to know how many images you have (that’s inventory management). Also, don't use it if your problem is purely structural HTML code that doesn't involve the image itself. For pure technical architecture issues, look for a dedicated front-

end validation tool instead.

However, if you are struggling with compliance and need to check both single files or massive collections against current rules, this MCP is essential because it groups those three capabilities—`inspect_single_image`, `audit_image_set`, and `fetch_audit_guidelines`—into one workflow.

The headache of maintaining perfect image metadata.

Every time a product manager adds new photos, or a marketing team updates a landing page banner, someone has to check the alt text. They have to verify that the file size is under 200KB and that the filename actually describes the image content. This process involves dozens of clicks, switching between your CMS dashboard, your asset library, and your SEO tool just to make sure everything passes muster.

With this MCP, you simply point your agent at the folder or collection of images. It handles the whole job, checking metadata integrity against current rules. You get back a clear score card that tells you exactly what's wrong—whether it’s empty alt text or an overly large file—so you can fix it in one place.

Image SEO Auditor: Get full compliance reports instantly.

You eliminate the need to open multiple tabs and copy-paste data between different auditing tools. The MCP consolidates checks for alt text, file size limits, generic names, and overall accessibility into one single run.

Now you don't just fix individual images; you audit entire sets of assets against best practices using `audit_image_set` and get a comprehensive view of your site's media health.

Image SEO Auditor MCP (3 Tools)

These tools let you analyze image metadata, run bulk audits on collections, or retrieve the latest industry guidelines to ensure your media assets are perfectly optimized.

#	TOOL	DESCRIPTION
01	`audit_image_set`	Runs a bulk SEO analysis across a whole group or collection of images.
02	`fetch_audit_guidelines`	Retrieves the current best-practice thresholds and patterns for scoring image metadata.
03	`inspect_single_image`	Analyzes one specific image file to pinpoint immediate SEO or accessibility violations.

See It in Action

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

U Check this image for SEO issues: filename is 'hero.jpg', alt text is '', and size is 500KB.

The image 'hero.jpg' has a score of 60 (MEDIUM_RISK). Violations detected: Empty alt text and file size exceeds the recommended threshold.

U Audit this set of images: [{'filename': 'product.png', 'altText': 'Blue running shoes', 'fileSizeKb': 45}, {'filename': 'image001.jpg', 'altText': '', 'fileSizeKb': 1200}]

Audit complete. Average Score: 80. Total Processed: 2. Critical Violations: 1. Summary: 'product.png' is optimized, while 'image001.jpg' failed due to generic naming and excessive size.

U What are the current file size limits for a good SEO score?

The current maximum recommended size threshold is 200KB.

Frequently Asked Questions

01 **How does the Image SEO Auditor MCP handle file size checks?**

The tool analyzes image files against current recommended thresholds. It reports if the file is too large or too small, helping you maintain optimal page speed.

02 **Can I use `audit_image_set` for my entire website's images?**

Yes, `audit_image_set` is designed to perform a bulk analysis across large collections of files, giving you an average score and identifying critical violations site-wide.

03 What if I need to know the current SEO rules? Should I use `fetch_audit_guidelines`?

Using `fetch_audit_guidelines` pulls the exact, up-to-date best practices and thresholds. This ensures your fixes align with what search engines expect right now.

04 Is `inspect_single_image` only for one product photo?

It analyzes any single image you provide. It's useful when you need immediate feedback on a banner or hero shot before uploading it to the live site.

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 `"image-seo-auditor": { "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

Image SEO Auditor 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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