

MCP SERVER

NO CODE

CLOUD HOSTED

FAQ Schema Extractor MCP

Turn messy text into deployable SEO code.

FAQ Schema Extractor automatically transforms unstructured text into clean, SEO-ready JSON-LD FAQPage schema. Stop manually coding structured data for your website's head section. This MCP first identifies specific question and answer pairs from any messy article copy; then it wraps those pairs into valid Schema.org code, ensuring search engines understand your content instantly.

A+ Quality Score 100/100

json-ld

schemaorg

faqpage

seo-tools

automation

content-optimization



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.

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.

FAQ Schema Extractor MCP

3 tools available

Cloud-hosted on Vinkius

When you write a lot of Q&A content, keeping it properly formatted for Google can be a huge drag. The FAQ Schema Extractor handles the entire process. You feed it raw prose—the kind of text you find in any blog post or knowledge base—and it gets to work automatically. First, it uses its ability to identify distinct question and answer pairs within that block of text. Next, those extracted pieces are wrapped into a proper JSON-LD format following strict Schema.org guidelines. Finally, the tool confirms everything is syntactically correct before you deploy it. It means you skip the manual coding, eliminating the risk of broken schema on your live site. Since this MCP lives in the Vinkius catalog, you connect once from any compatible client and get access to powerful tools like this one for all your content needs.

Core Capabilities

01 — Pull Q&A pairs from raw text

This function takes a large chunk of unstructured writing and pulls out every distinct question and corresponding answer pair.

02 — Build valid JSON-LD schema

It organizes the pulled questions and answers into a structured, standards-compliant JSON-LD block ready for web deployment.

03 — Check code accuracy for production

This function runs a final check on the generated code to guarantee it's valid schema and won't break your website.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/faq-schema-extractor — connect your AI agent in three steps.

- 01** Provide the tool with the raw, unstructured article text containing the Q&A content.
- 02** The MCP executes the necessary steps to pull out all pairs and then generates a valid JSON-LD structure from those pieces.
- 03** You receive the final script, which has been validated for integrity and is ready to copy directly into your site's head section.

The bottom line is you hand over messy text, and the MCP returns clean, deployable code.

Built For

This tool is essential for SEO specialists, content managers, and web developers who regularly publish FAQ sections. It solves the time drain of manually coding structured data and ensures your site always passes search engine validation.

SEO Specialist

Uses this MCP to ensure every new article's Q&A content is correctly marked up with Schema.org, boosting visibility in search results.

Content Manager

Feeds the tool raw text from internal knowledge base articles and gets ready-to-paste JSON code without needing a developer's help.

Web Developer

Uses this MCP to quickly generate and validate complex schema blocks, saving time that would otherwise be spent on manual coding checks.

What Changes When You Connect

- 01** Stop manually coding FAQ schema. After running `extract_pairs` on your article, you skip the copy-paste guesswork and get clean data immediately.

- 02 Guarantee search engine compliance every time. The final validation step ensures that what you plan to use with `validate_schema_integrity` won't throw errors on your live site.
- 03 Save hours of development time. Instead of writing complex JSON-LD by hand, you just run the pairs through `generate_jsonld`, and it handles the structure.
- 04 Improve local SEO visibility. By correctly marking up Q&A content, you increase the chance of featured snippets appearing directly in search results.
- 05 Consistency across all pages. Use this MCP to maintain a uniform standard for FAQ markup whether your content is written by internal staff or external writers.

Real-World Applications

The knowledge base needs updating

A Content Manager has 50 articles full of Q&As, but they are just plain text. Instead of asking a developer to manually code the schema for all 50 pages, they run the raw content through the MCP's `extract_pairs` tool first. Then they use `generate_jsonld`, and boom—they have clean, ready-to-deploy code blocks for every single page.

Migrating content across old websites

A Web Developer is migrating a site with thousands of FAQs written in varied formats. They use the MCP to run `extract_pairs` on batches of text, standardizing all questions and answers into a consistent data format before running them through `generate_jsonld` for mass deployment.

A client needs to prove schema validity

An SEO Specialist writes a large block of JSON-LD code for a new landing page. Before pushing it live, they run the code through `validate_schema_integrity`. The tool instantly confirms if there are any syntax errors or structural issues, saving the developer from wasting time testing broken code.

Testing schema updates rapidly

A marketing team needs to test if their new product page schema works with different site templates. They use the MCP, first extracting pairs, then generating JSON-LD, and finally running `validate_schema_integrity` multiple times in a session to ensure total stability before launch.

Patterns to Avoid

Writing schema by hand

X AVOID

Copying the question/answer pairs into a JSON editor and manually structuring the context, type, and array elements. This is slow and prone to missing commas or brackets.

✓ INSTEAD

Use the MCP's `extract_pairs` tool first to get clean data. Then let `generate_jsonld` build the entire structure for you. Finish by running `validate_schema_integrity` to confirm it'll actually work.

Using general JSON tools

X AVOID

Treating the Q&A pairs as generic key-value data and trying to wrap them in basic HTML or unvalidated JSON. This doesn't signal FAQPage specifically to search engines.

✓ INSTEAD

The MCP is specialized for Schema.org standards. Use `generate_jsonld` because it knows exactly how to structure the code so Google treats it as a proper FAQ section.

X AVOID

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3 Tools Available

#	TOOL	DESCRIPTION
01	<code>extract_pairs</code>	Pulls individual question and answer pairs from any block of text you provide.
02	<code>generate_jsonld</code>	Creates a structured JSON-LD code snippet based on the extracted Q&A pairs.
03	<code>validate_schema_integrity</code>	Tests the final generated JSON-LD code to confirm it meets all technical web standards.

See It in Action

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

U Extract pairs from this text: Q: What is MCP? A: Model Context Protocol. Q: Is it free? A: Yes.



```
[{"question": "What is MCP?", "answer": "Model Context Protocol."}, {"question": "Is it free?", "answer": "Yes."}]
```

U Generate JSON-LD from these pairs: [{"question": "Who are you?", "answer": "I am an AI assistant."}]



```
<script type="application/ld+json">{"@context": "https://schema.org", "@type": "FAQPage", "mainEntity": [{"@type": "Question", "name": "Who are you?", "acceptedAnswer": {"@type": "Answer", "text": "I am an AI assistant."}}]}</script>
```

U Validate this JSON-LD: <script type="application/ld+json">{"@context": "https://schema.org", "@type": "FAQPage"}</script>



```
{"isValid": true, "validationIssues": []}
```

Frequently Asked Questions

01 How do I start extracting Q&A pairs?

Use the `extract_pairs` tool by providing your raw text in the `rawText` parameter. You can choose between pattern recognition or block separation modes.

02 What format is the output JSON-LD in?

The `generate_jsonld` tool produces a complete `` block that is ready to be pasted directly into the HTML head of your webpage.

03 How can I ensure my schema is valid for Google?







After generating your JSON-LD, run it through the `validate_schema_integrity` tool to check for syntax errors or missing mandatory Schema.org fields.

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>"faq-schema-extractor": { "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

FAQ Schema Extractor 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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DOCUMENT INFORMATION

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Platform	Vinkius Cloud for AI Agents
Endpoint	https://edge.vinkius.com/{token}/mcp

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