MCP SERVER | NO CODE | CLOUD HOSTED

SerpApi MCP

Access Live Web Search Results from Any Client.

SerpApi gives your agent live access to the web via search engines like Google, Bing, and DuckDuckGo. It lets you go beyond static training data by retrieving current SERP events, scraping product catalogs from Google Shopping, finding local news, or getting image results globally.

A+ Quality Score 100/100

web-scraping | search-api | data-extraction | proxy-rotation

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vinkius.com/mcp/serpapi

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.

SerpApi MCP

12 tools available
Cloud-hosted on Vinkius

Your AI client can't browse the internet on its own; it only knows what it was trained on. This MCP fixes that gap. It lets your agent act like a researcher with instant access to multiple search engines worldwide. You don't have to copy-paste from ten different tabs just to build a complete picture of market sentiment or product availability. Instead, your agent runs the query and brings back structured data: current news articles, live shopping prices, or specific image links. When you connect this MCP through Vinkius, you give your AI client an essential set of tools, allowing it to perform deep, real-time competitive analysis or localize search results for different countries—all without needing specialized coding knowledge.

Core Capabilities

01 — Conducting multi-engine searches

Your agent can run the exact same query across Google, Bing, Yahoo, and DuckDuckGo to compare results immediately.

02 — Extracting product data

It pulls structured pricing and catalog information directly from Google Shopping search results.

03 — Gathering localized content

You can specify parameters like location or language to ensure the search results are relevant for a specific market.

04 — Retrieving visual and media assets

The MCP searches Google specifically for images, videos, and breaking news articles.

05 — Checking account quotas

It provides a tool to check how many search executions your current billing cycle allows.

One Click on Vinkius — From Prompt to Execution

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

01 You tell your AI agent which specific search engine and what query you want. For example, 'I need product prices for mesh chairs in Germany on Google Shopping.'

02 Your agent sends that instruction to the MCP, which executes the search against the live web while bypassing typical CAPTCHA hurdles.

03 The MCP returns structured data, including links, titles, pricing arrays, and image URLs, directly back to your AI client for immediate use.

The bottom line is that it turns an LLM's static knowledge into a dynamic, actionable web research capability.

Built For

Market researchers and competitive intelligence analysts who need to know what the internet knows *right now*. If your job involves pricing comparisons across multiple regions or tracking breaking news cycles, this is for you. You're tired of running half a dozen searches manually.

SEO Specialist

Runs localized searches and gathers competitive keyword data from different search engines to build comprehensive content strategies.

Market Researcher

Compares product availability and pricing for specific goods across multiple shopping platforms in real time, saving hours of manual scraping.

Content Strategist

Monitors breaking news using the google_news tool to ensure content is timely and addresses the most current trends.

What Changes When You Connect

01 Eliminate manual research by using google_shopping to instantly gather structured pricing data for products, comparing costs across multiple retailers in one query.

02 Gain global coverage by running the same query on baidu_search, bing_search, and yahoo_search simultaneously, ensuring your findings aren't limited by a single search engine's bias.

03 Keep content fresh with google_news. Instead of checking news sites individually, simply ask your agent to run a quick search that captures breaking headlines globally.

04 Never worry about outdated knowledge again. The MCP bridges the gap between your AI client and real-time data, so your responses are always based on what's happening right now.

05 Compare visual assets instantly: Use google_images to find relevant photo examples for a campaign or use google_videos when you need proof of concept footage.

Real-World Applications

Comparing product prices in different countries

A market analyst needs to know the price range for 'noise-canceling headphones' in both France and Japan. Instead of using separate tools, they prompt their agent: 'Use google_shopping with location parameters to check pricing.' The agent returns a structured data table comparing costs from multiple international sellers.

Competitive SEO tracking for a new product launch

An SEO specialist needs to see what current competitors are saying. They ask the agent to run 'best practices for web development' across duckduckgo_search and google_news. The resulting data shows both general search interest trends and specific, immediate news mentions from industry leaders.

Gathering multimedia assets for a client pitch

A content strategist needs to build a slide deck. They ask the agent to perform three tasks: 1) Find high-resolution images of 'urban farming' using google_images; 2) find recent videos on the topic using google_videos; and 3) check for any local news coverage using google_search with location parameters.

Verifying account limits before a major campaign

Before launching an aggressive data-gathering phase, a developer uses get_account_info to confirm they have enough quota remaining. This prevents the agent from failing mid-process due to unexpected limit hits.

Patterns to Avoid

Treating the MCP like a simple keyword search

✗ AVOID

Simply asking the agent: 'Search for apples.' The result is just raw links and text snippets, making it hard to extract structured data or compare prices.

✓ INSTEAD

Be specific about what you need. Ask the agent to use google_shopping with the query 'organic apple variety' to get structured pricing arrays across different retailers.

Forgetting locale context

✗ AVOID

Running a generic search for 'tax law' without specifying a location, leading to irrelevant results based on the default US setting.

✓ INSTEAD

Always specify parameters using google_search. Include details like 'location=Brazil' or 'hl=pt' to ensure your data is relevant to the target market.

Mixing search types randomly

✗ AVOID

Asking the agent to retrieve general news, then shopping prices, and then images all in one vague prompt without directing which tool to use.

✓ INSTEAD

Break it down. First, run google_news for sentiment. Second, run google_shopping for cost data. This structured approach ensures clean, usable output.

The Right Fit

Use this MCP if your work requires knowledge that changes daily. If you need to know what's trending *now*, or compare prices across multiple international storefronts, this is essential. The strength lies in its breadth—it lets you treat disparate search engines (Baidu, Bing, Google) like a unified API for competitive intelligence and market sizing. Don't use this if your task only requires analyzing static documents or summarizing information already contained within the prompt context; then, a simple text analysis tool will suffice. If you just need one specific type of data—say, only news articles—you could restrict yourself to google_news, but this MCP gives you total control over which search engine and content type you tap into.

The Pain of Manual Web Research

Today, gathering comprehensive market data means juggling at least five tabs. You open Google for general sentiment, then Bing for alternative perspectives. Next, you manually check Google Shopping to get pricing arrays, and finally, you run a separate search for news headlines and images. It's an exhausting cycle of clicking, copying, and pasting disparate pieces of information into one master document.

With this MCP, your agent handles the entire process behind the scenes. You give it the objective—like 'compare product costs in Europe.' The result isn't a collection of links; it's a clean, consolidated data set containing all necessary pricing and market intelligence you need to move forward.

SerpApi MCP delivers structured search results

The manual steps that disappear are the repetitive searches across different platforms. You don't have to separately run baidu_search and yandex_search just to cover Asian markets, nor do you need separate queries for google_images versus google_news.

Now, your AI agent treats the entire global web as one resource pool. It gives you immediate access to data types—shopping, news, images—that were previously siloed across dozens of manual searches.

SerpApi With 13 Tools

Use these tools to execute highly specific search queries across major global engines and retrieve specialized content like shopping prices or breaking news articles.

#	TOOL	DESCRIPTION
01	baidu_search	Performs a search query specifically on the Baidu search engine.
02	bing_search	Executes a search query using Microsoft's Bing search engine.
03	duckduckgo_search	Performs a private search query through the DuckDuckGo platform.
04	get_account_info	Retrieves usage statistics and quota limits for your SerpApi account.
05	google_images	Searches Google for images, returning both thumbnails and full-size links.
06	google_news	Performs a targeted search specifically for current news articles on Google.
07	google_search	Runs a general search query on Google, allowing you to specify location or language parameters.
08	google_shopping	Searches for products and retrieves structured pricing data from Google Shopping.
09	google_videos	Initiates a search on Google specifically for video content.
10	list_locations	Lists all the geographical locations supported by the various search engines.
11	yahoo_search	Performs a general search query using Yahoo's platform.
12	yandex_search	Executes a search query through the Yandex engine.

See It in Action

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

U Search DuckDuckGo to find the latest developer sentiment trends regarding Node.js version 22.

I executed duckduckgo_search targeting 'Node.js version 22 developer sentiment'. Many forums are highlighting the native require() support for synchronous ES module loads.

U Use Google Shopping search capabilities to retrieve structured prices for an 'ergonomic mesh chair'.

I've searched Google Shopping arrays. The paramount cost-effective benchmark is around $650 for the listed items. Would you like to target this filtering to a specific ZIP code?

U Verify how many organic searches my SerpApi vault can still execute before I hit quota limits.

According to the account info tools, you have precisely 1,240 execution quotas remaining for your current billing month.

Frequently Asked Questions

01 **How do I use SerpApi MCP for local market research?**

You specify the location parameters within your query. Use google_search with defined 'location' or 'hl' (language) codes to ensure search results are relevant to a specific country.

02 **Does SerpApi MCP handle CAPTCHAs?**

Yes, the integration is designed to bypass common CAPTCHA issues that typically block automated web scraping, giving you reliable access to live search data.

03 **What's the difference between google_search and google_shopping?**

google_search provides general results like articles and websites. google_shopping is specifically for product listings, providing structured data like comparative pricing arrays.

04 **Can I compare search results across multiple engines? (SerpApi MCP)**

Absolutely. You can run the same query against duckduckgo_search and bing_search in sequence to compare results from different algorithmic sources.

05 **What kind of data does google_images give me?**

google_images returns both small thumbnails for previews and direct links to the full-size image files, making them ready for immediate use in reports or presentations.

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 `"serpapi": { "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

SerpApi 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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