

MCP SERVER

NO CODE

CLOUD HOSTED

DataForSEO MCP for AI Agents

Monitor Search Engine Results and Analyze Global Rankings

DataForSEO lets you run deep market research directly from your AI client. Track Google organic rankings across multiple countries, audit local businesses on Google Maps down to GPS coordinates, monitor real-time news publications, and capture live Amazon product data like Best Sellers Rank (BSR). It's all built into one conversational workflow.

A+ Quality Score 100/100

serp-tracking

keyword-research

market-intelligence

api-integration

search-engine-data

competitor-analysis



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 — 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.

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.

DataForSEO MCP

10 tools available

Cloud-hosted on Vinkius

You need to know what search engines are saying about your brand—and where. DataForSEO connects your account to any AI agent, giving you full visibility across the entire digital marketing landscape without leaving your chat window. You stop manually exporting data from five different websites and start asking questions. Want to see how a keyword ranks in London versus Tokyo? Ask it. Need to audit your local business's Google Maps presence for specific neighborhoods? Get those precise coordinates instantly. Our MCP lets you research everything from Amazon product competition, tracking live pricing and BSR by ASIN, to identifying niche topical authority across major search engines like Bing or Yandex. When you connect DataForSEO via the Vinkius catalog, your AI client handles all the heavy lifting, compiling structured data points into a clean format you can use immediately.

Core Capabilities

01 — Analyze multi-engine organic rankings

Get detailed search results and positional statistics for Google, Bing, Yahoo, Yandex, and Baidu from various regions.

03 — Monitor real-time news coverage

Retrieve fresh, syndicated press releases and publication stamps directly from Google News, bypassing standard cache delays.

05 — Research visual search footprints

Index purely visual array vectors matching keywords from Google Images to monitor how your brand appears visually online.

02 — Audit local business listings on Google Maps

Extract specific properties and review coordinates from Google Maps nodes to verify local visibility and physical location data.

04 — Track e-commerce competition on Amazon

Capture live data points for specific products by ASIN, including current price, Best Sellers Rank (BSR), and Prime stock availability.

One Click on Vinkius — From Prompt to Execution

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

- 01** First, subscribe to the DataForSEO MCP and input your API Login and Password into your preferred AI client.
- 02** Next, ask your agent a complex research question—for example, 'Show me the top 10 organic results for X in Y country.'
- 03** The MCP executes the request by calling the necessary internal tool and sends back structured SERP data that your agent summarizes and presents to you.

The bottom line is: You use natural language to access complex, multi-source marketing data without writing a single API call.

Built For

This MCP is built for digital strategists and researchers who spend too much time copy-pasting data between platforms. If your job requires knowing how keywords perform across multiple countries or tracking e-commerce competition, this is for you.

SEO Specialist

You use the DataForSEO MCP to run deep competitor analyses and identify topical authority by comparing organic rankings across Google, Bing, and Yahoo.

Local Marketing Manager

You audit local search visibility on Google Maps for specific GPS coordinates in new target markets, ensuring your clients appear optimally in the 3-pack.

E-commerce Analyst

You track Amazon product pricing and Best Sellers Rank (BSR) changes for competitors using ASINs to advise on pricing strategies.

What Changes When You Connect

- 01 Audit Amazon competition instantly: Use the `amazon_asin` tool to pull live pricing and Best Sellers Rank (BSR) data without logging into any e-commerce dashboard.
- 02 Local visibility checks are fast: The `google_maps` tool lets you verify local business discoverability and get precise GPS review coordinates for physical locations.
- 03 Track niche rankings easily: Compare results across multiple search engines. Use tools like `bing_organic`, `yahoo_organic`, or `yandex_organic` to spot regional ranking differences.
- 04 Stay ahead of PR cycles: The `google_news` tool retrieves explicitly fresh press and syndicated publication data, keeping your brand's news footprint current.
- 05 Visual market research: Use the `google_images` tool to index visual array vectors that match keywords, helping you map out a brand's overall visual presence.

Real-World Applications

A new client needs local Google Maps optimization

The agent runs the `google_maps` tool for 'Italian Restaurant' in London, providing GPS coordinates and review counts. You immediately know exactly which three competitors need attention.

Expanding into a new international market

You need to compare US vs. Chinese SEO performance. The agent runs both `google_organic` and `baidu_organic`, giving you side-by-side data on topical authority limits for two massive markets.

Monitoring a major product launch on Amazon

You ask your AI client to track ASIN 'B08N5KWB9H'. It uses the `amazon_asin` tool, returning real-time price changes and its current #1 BSR ranking for comparison.

Patterns to Avoid

Only checking Google results

X AVOID

Relying solely on standard search console exports to prove market authority, missing major international or niche engine visibility.

✓ INSTEAD

Use the DataForSEO MCP to compare `google_organic` results against competitors' listings found via tools like `bing_organic` and `yahoo_organic`. This gives a full picture of global coverage.

Manual data collection for local SEO

X AVOID

Having to visit Google Maps manually, copy coordinates, and check review counts for every competitor location.

✓ INSTEAD

Use the `google_maps` tool with a specific geographic query. The MCP handles the structural extraction of properties, giving you all needed GPS data instantly.

Assuming keyword performance is stable

X AVOID

Running old reports that don't account for breaking news or sudden shifts in PR visibility.

✓ INSTEAD

Use the `google_news` tool to retrieve explicitly fresh publication stamps. This ensures your ranking analysis accounts for current market sentiment and media buzz.

The Right Fit

You should use DataForSEO if your marketing strategy depends on measurable, multi-source data—specifically when you need to compare rankings across different countries (e.g., comparing `google_organic` vs. `baidu_organic`) or platforms (Google Maps vs. Amazon). Don't use this MCP if all you need is basic keyword research for a single English-language website; general SEO tools will suffice then. You really need this when your job involves tracking competitor activity across disparate channels, like monitoring both e-commerce pricing via `amazon_asin` and local map rankings via `google_maps`. If your goal is simple content creation, you don't need it. But if market intelligence and competitive benchmarking are core to your role, this MCP is essential.

DataForSEO MCP for AI Agents: Solving Cross-Platform SERP Data Collection

Today, gathering a full picture of a keyword's performance is a nightmare. You jump between Google Search Console, Amazon Seller Central, and local map listings. You spend hours copy-pasting rankings from Bing to Yahoo just to see if your competitor has better coverage in different regions. It's slow, painful, and often incomplete.

With this MCP, you simply ask the question: 'Where does X rank?' Your AI client uses DataForSEO to hit every necessary endpoint—running `google_organic`, checking `bing_organic`, and pulling data from Amazon's ASIN records. You get a single, consolidated report showing comprehensive performance across all major platforms.

DataForSEO MCP for AI Agents: Analyzing Global Market Intelligence

Manual international research is impossible to scale. If you want to know how your brand performs in a non-English speaking market, you'd

This MCP resolves that bottleneck. By connecting the `yandex_organic` and `baidu_organic` tools, you instantly get accurate ranking data for CIS and

need specialized tools and dedicated staff just to access those regional indexes.

Chinese markets without needing localized expertise or multiple paid accounts. You gain true global market intelligence.

DataForSEO: 10 Tools for Comprehensive Search Ranking Analysis

These tools let you execute highly specific searches across multiple platforms, pulling structured results for everything from Amazon ASINs to global organic rankings.

#	TOOL	DESCRIPTION
01	amazon_asin	Retrieves specific live e-commerce data by identifying active arrays spanning native hold parsing.
02	baidu_organic	Provides precise local search results for the Chinese market, including regional ranking features.
03	bing_organic	Gathers Microsoft Graph data to track organic search rankings from Bing against other major engines.
04	google_organic	Identifies bounded core records within the Google Headless DataForSEO Platform for general SERP queries.
05	google_images	Retrieves explicit cloud logging data by indexing visual search vectors from Google Images.
06	google_maps	Performs structural extraction of properties related to local business accounts and geographic features on Google Maps.
07	google_news	Generates a highly available JSON payload containing explicit, fresh news publication data from Google News.
08	yahoo_organic	Identifies older SERP positions across various regional domains and enumerates structured rules for Yahoo search results.
09	yandex_organic	Resolves top-ranking indexes specific to CIS regions, fully decoupled from standard Western search guidelines.
10	youtube_organic	Returns direct ranking information for streaming video content and detailed metadata counts from YouTube.

See It in Action

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

U What are the top 3 local businesses in this area on Google Maps?



Local Search Analysis: 'Artisan Bakery' in Portland, OR

- 📍 **The Daily Grind:** GPS Coordinates: (45.512, -122.678). Avg Rating: 4.9/5. Reviews: 1,200+
- 🥐 **French Pastry House:** GPS Coordinates: (45.513, -122.679). Avg Rating: 4.7/5. Reviews: 850+
- 🍞 **Portland Bread Co.:** GPS Coordinates: (45.511, -122.677). Avg Rating: 4.5/5. Reviews: 3,100+

These locations show strong local visibility and high review volume.

U I need to track the current price and BSR for this Amazon product.



Amazon UK Product Report (ASIN: B08N5KWB9H)

METRIC	VALUE
Current Price	£899.00
Best Sellers Rank	#1 in Electronics
Prime Stock	Yes

This product is currently dominating the category and appears to have stable inventory.

U What are the organic results for 'best CRM software' on Google?



Google SERP Data: 'best CRM software' (US)

The top 100 search results show a clear pattern:

- **Snippet Rich:** Salesforce, HubSpot, Zendesk dominate the first page with rich snippets.
- **Estimated Traffic:** Links in the top 5 slots have an estimated average monthly traffic of 8k-12k.

This suggests high commercial intent and strong competition.

Frequently Asked Questions

01 How can DataForSEO help me audit local businesses in a new city?

DataForSEO allows you to run structural extractions from Google Maps for specific locations. You get precise GPS coordinates, review counts, and overall visibility data without doing manual searches.

02 Do I need DataForSEO for e-commerce competitor tracking?

Yes, it's ideal for this. Using the MCP, you can input an Amazon ASIN to get real-time pricing and Best Sellers Rank (BSR), letting you track competition metrics instantly.

03 What if I need to compare SEO performance across multiple countries?

The DataForSEO MCP handles multi-national comparisons. You can run queries for different regions, comparing results from Google, Bing, and specialized tools like the one for Yandex.

04 Can I monitor my brand's news coverage easily with this MCP?

Absolutely. It uses the `google_news` tool to pull fresh, syndicated press data directly from Google News, giving you immediate insight into your PR footprint and media buzz.

05 Is DataForSEO useful for video content ranking research?







Yes. The MCP includes tools that return direct streaming video rankings and detailed metadata counts specifically pulled from YouTube, helping you analyze video SEO performance.

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>"dataforseo": { "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

DataForSEO 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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