MCP SERVER | NO CODE | CLOUD HOSTED

Oxylabs MCP

Parse complex data from any search engine or website.

Oxylabs MCP connects your AI client directly to a powerful web scraping suite designed for deep data extraction. It lets you parse complex search engine results pages from Google, Amazon, Bing, and Yandex—whether you need product pricing, article headlines, or raw HTML. Use the universal scraper tool to pull structured data from any website, even those that rely on JavaScript rendering.

A+ Quality Score 100/100

web-scraping | proxy-services | data-extraction | serp-parsing | headless-browser

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vinkius.com/mcp/oxylabs

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.

Oxylabs MCP

10 tools available
Cloud-hosted on Vinkius

This MCP gives your AI client the power to scrape and structure data from virtually any corner of the web. Forget building custom scripts just to track competitor pricing or gather market intelligence. You can send your agent to an arbitrary URL using the universal scraper, which handles modern single-page applications that require JavaScript execution. Need competitive SEO data? Use specialized tools like the Google Search tool to pull structured SERP blocks, capturing organic rankings, featured snippets, and ad results—all localized by country. The scope goes deep: you can scrape product listings with ASINs and pricing from Amazon or analyze e-commerce structures on Google Shopping. Integrating this MCP through Vinkius means your AI client connects once and gets access to a massive catalog of data sources, making complex web analysis a conversation away.

Core Capabilities

01 — Analyze Search Engine Results

Parse structured search result blocks from Google (including SERPs, shopping, images, and news) or Bing for immediate market insights.

02 — Deep E-commerce Data Extraction

Pull detailed product information, pricing history, and seller data across major platforms like Amazon and Google Shopping.

03 — Universal Web Scraping

Extract raw HTML content from any website URL, enabling JavaScript rendering for modern web pages that require client-side execution.

04 — International Search Analysis

Gather structured ranking data from niche search engines like Yandex and Bing across different international markets.

One Click on Vinkius — From Prompt to Execution

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

01 Subscribe to the Oxylabs MCP on Vinkius, then input your specific Oxylabs username and API credentials.

02 Instruct your AI client (Claude, Cursor, etc.) to perform a data extraction task, specifying the target website or search query.

03 The MCP executes the necessary scraping tool, returning structured JSON data containing the requested text, images, and metadata.

The bottom line is you talk to your AI client like you're asking a teammate for data; it does the heavy lifting of crawling and formatting the results.

Built For

This MCP is essential for e-commerce analysts, SEO specialists, and market researchers. If your job involves monitoring competitor pricing across multiple regions or tracking keyword changes in real-time, this tool saves you from hours of manual data collection and proxy management.

SEO Specialist

Uses the Google Search tool to track organic rankings for target keywords across various TLDs (e.g., .co.uk, .de) without needing a dedicated infrastructure team.

E-commerce Analyst

Runs Amazon Product and Google Shopping tools to monitor competitor pricing, stock availability, and product variations across regional domains.

Market Researcher

Utilizes the Universal Scraper tool or custom payloads to pull raw HTML from specialized websites for content indexing or competitive analysis.

What Changes When You Connect

01 You get structured, actionable data instead of messy HTML dumps. Whether using the Google Search tool for SERPs or scrape_amazon_product for deep listings, the output is ready to feed directly into a database.

02 Manage global competition without headache. The MCP allows you to track keyword rankings across multiple regional markets using dedicated tools like scrape_google_serp and scrape_yandex_serp.

03 Handle modern websites easily. If a site requires JavaScript to load content, the universal scraper tool handles the headless browser rendering for you, ensuring your data isn't incomplete.

04 Consolidate multiple data types into one workflow. You can scrape not just products (scrape_google_shopping) but also images and news articles from the same platform in a single session.

05 Gain control over advanced scraping parameters. The scrape_custom_payload tool lets you fine-tune proxy locations and configurations, overcoming common rate limits or geo-blocking issues.

Real-World Applications

Tracking competitor price changes in multiple countries

A market analyst needs to know if a major appliance brand is raising prices on Amazon Germany compared to Amazon UK. They ask their agent to run scrape_amazon_search across both regional domains, then use the individual product tool to pull specific ASIN data for comparison.

Auditing an SEO campaign's performance

An SEO team wants to verify if a new article ranks highly after three weeks. They ask their agent to run scrape_google_serp and compare the featured snippet status and surrounding SERP structure against previous weeks' data.

Building an image asset database

A content manager needs all visual assets used in top search results. They ask their agent to run scrape_google_images, collecting the necessary URLs and dimensions for a large-scale image library build.

Collecting broad market news coverage

A PR firm wants to track how often its client is mentioned in major world publications. They ask their agent to run scrape_google_news, gathering time-indexed articles and publisher details from the last quarter.

Patterns to Avoid

Assuming simple HTTP requests work

✗ AVOID

The user tries to write a basic scraper that hits an API endpoint for a modern website, but fails because the content is loaded dynamically by JavaScript.

✓ INSTEAD

Don't use generic scraping methods. Instead, invoke scrape_universal and ensure you set `js_render=true` so the tool simulates a full browser session and captures all client-side data.

Mixing up search engines for one task

✗ AVOID

Trying to find global product listings by just scraping Google results, which often miss specialized market information or regional variations.

✓ INSTEAD

Use specific tools. For a comprehensive view of e-commerce data, run scrape_google_shopping and then cross-reference with scrape_amazon_search to cover both major platforms.

Ignoring proxy limitations

✗ AVOID

The agent runs 50 requests in rapid succession from a single IP address and gets blocked by the target website's defenses.

✓ INSTEAD

Use scrape_custom_payload to configure advanced proxy settings, specifying rotation types and locations for reliable, large-scale data collection.

The Right Fit

You should use this MCP if your workflow requires gathering structured data from multiple, complex, or guarded web sources. This is the tool for market intelligence, competitive analysis, and content aggregation where simple API calls won't work.

Don't use this if you only need to read a single, predictable internal database (use a dedicated database connector) or if you are

scraping data from a source that already provides a clean JSON API. If the goal is simply reading static text from one known URL and no structured extraction is needed, a basic HTTP request tool might suffice. However, for anything involving search results, e-commerce sites, or JavaScript rendering, this MCP is required.

Tracking market data used to feel like managing dozens of browser tabs.

Today, monitoring a competitor’s pricing requires clicking through Amazon's regional domains, then manually copying ASINs. You switch to Google Shopping to check their featured deals, and finally jump over to Bing to see if they are running localized campaigns. Hours vanish into copy-pasting data into spreadsheets, dealing with varying HTML structures every single time.

With this MCP, you simply tell your agent: 'Track product X across Amazon US, Amazon DE, Google Shopping UK, and Bing.' You get a consolidated, structured output that maps all the necessary details—price, availability, seller info—in one go.

Oxylabs MCP delivers clean, actionable search results data.

The process of scraping Google SERPs used to be a nightmare of inconsistent metadata and nested HTML. You'd have to write specialized parsers for featured snippets versus organic links just to get the core ranking information.

Now, running the scrape_google_serp tool gives you structured data that clearly separates ad blocks from knowledge panels and organic results. It turns hours of manual web archaeology into a single, clean function call.

Oxylabs: 10 Powerful Web Scraping Tools

Use these tools to systematically extract anything from the web—product listings, search results, news articles, or arbitrary site content.

#	TOOL	DESCRIPTION
01	`scrape_universal`	Extracts raw HTML from any arbitrary website, allowing you to enable JavaScript rendering if the site uses a single-page app structure.
02	`scrape_google_serp`	Parses and structures entire Google Search Engine Results Pages, capturing all organic results, ads, and knowledge panels.
03	`scrape_google_shopping`	Extracts structured product listings, including prices and merchant details from Google Shopping search results.
04	`scrape_google_images`	Gathers specific image URLs, dimensions, and source origins by scraping the Google Image Search layout.
05	`scrape_google_news`	Exports time-indexed news articles from Google News blocks, including publisher names and publication dates.
06	`scrape_amazon_search`	Performs structured data extraction by looping over multiple product listings found in an Amazon search result query.
07	`scrape_amazon_product`	Deep-extracts detailed information from individual Amazon product pages, including stock states and variations.
08	`scrape_bing_serp`	Calculates and extracts structured web mapping data from Bing Search Engine Results Pages for comparative analysis.
09	`scrape_yandex_serp`	Performs structural analysis of Yandex search results, useful for market assessment in the CIS/RU region.
10	`scrape_custom_payload`	Dispatches entirely customized JSON payloads to configure advanced proxy types, locations, and deeply nested settings.

See It in Action

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

U Search Google for 'best noise cancelling headphones 2024' and show me the top 5 organic results.

Top 5 organic results for 'best noise cancelling headphones 2024': 1) Wirecutter — 'The Best Noise-Canceling Headphones' (score: featured snippet). 2) RTINGS — 'The 8 Best Noise Cancelling Headphones'. 3) TechRadar — 'Best noise-cancelling headphones 2024'. 4) Tom's Guide — 'Best ANC headphones'. 5) CNET — 'Best Noise-Canceling Headphones for 2024'. Want me to scrape any of these pages for full content?

U Get the full product details for Amazon ASIN B0C8PSXB2M.

Product: Sony WH-1000XM5 Wireless Noise Canceling Headphones. Price: $328.00 (was $399.99 — 18% off). Rating: 4.6/5 (12,847 reviews). Prime: Yes. Colors available: Black, Silver, Midnight Blue. In stock. Key features: 30-hour battery, 8 microphones, touch sensor controls. Sold by Amazon.com. Want me to check pricing on amazon.de or amazon.co.uk?

U Scrape the homepage of techcrunch.com with JavaScript rendering enabled.

Successfully scraped techcrunch.com with JS rendering. Page title: 'TechCrunch | Startup and Technology News'. Extracted 42 article headlines, 28 author names, 15 featured images, and 8 category tags. Top headline: 'AI startup raises $200M Series C at $2B valuation'. Content size: 245 KB (after rendering). Want me to extract just the article titles and links in a structured format?

Frequently Asked Questions

01 **How does Oxylabs MCP handle modern websites with JavaScript?**

The universal scraper tool handles this by simulating client-side execution. This means if the website loads content only after running code (a single-page application), the tool renders that code and captures the final HTML.

02 **Can Oxylabs MCP scrape international search engines?**

Yes, it supports multiple regions. You can use tools like scrape_yandex_serp to analyze rankings specifically for the CIS/RU market, complementing Google's global data.

03 **Does Oxylabs MCP only work on product pages?**

No. While it excels at e-commerce (scrape_amazon_product), you can also use scrape_google_news for time-indexed articles or scrape_google_images for visual assets.

04 **What is the difference between scrape_google_serp and scrape_universal?**

The Google Search tool provides structured, pre-parsed data specifically for SERP components (ads, snippets). The universal scraper gives you raw HTML from any arbitrary URL, requiring more post-processing.

05 **Can Oxylabs MCP help with proxy management?**

Yes. You can use the scrape_custom_payload tool to send custom JSON payloads that configure advanced proxy types and location settings for large-scale operations.

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 `"oxylabs": { "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

Oxylabs 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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