

MCP SERVER

NO CODE

CLOUD HOSTED

# Keyword Extractor MCP for AI Agents

## Analyze Text and Rank Keywords for Content Optimization

The Keyword Extractor analyzes any body of text to pinpoint its core themes. It uses advanced term frequency and density analysis to identify, rank, and quantify the most significant words. Whether you're refining a draft or analyzing market data, this MCP tells you exactly which terms matter most in your content, filtering out filler language instantly.

**A+** Quality Score 100/100

keywords

text-analysis

nlp

frequency

density



# 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

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## 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

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## 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

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## 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](https://cloud.vinkius.com) — connect your AI agent in under 60 seconds.

# Keyword Extractor MCP

3 tools available

Cloud-hosted on Vinkius

Writing good copy means knowing what words actually carry weight. This MCP helps you understand the structural backbone of any text by identifying and ranking its key vocabulary. It goes beyond simple word counts, using term frequency (TF) and density calculations to filter out linguistic noise—like common articles or filler phrases. You can run specific checks to see how prevalent a single word is within a whole document, or get a prioritized list of the top themes. When you connect this MCP via Vinkius, your AI client gains an analytical layer, letting it stop guessing and start analyzing content depth instantly. It's like having a dedicated editorial analyst running in the background, ready to tell you exactly which words drive the meaning.

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## Core Capabilities

### 01 — Prioritize key concepts

It generates a ranked list of terms found in your text, so you know which keywords are most important right away.

### 02 — Measure word importance

You can check the density and usage frequency of any specific single word within a given block of text.

### 03 — Verify language support

It confirms if your target language is supported for accurate keyword analysis, saving you time before running a job.

# One Click on Vinkius — From Prompt to Execution

Available at [vinkius.com/mcp/keyword-extractor](https://vinkius.com/mcp/keyword-extractor) — connect your AI agent in three steps.

- 01** First, feed the MCP the text you need analyzed. This could be an article draft, a transcript, or a report section.
- 02** Second, tell your agent exactly what you need—do you want the top 10 keywords? Or are you checking if 'sustainability' is used enough times? The appropriate tool handles that specific request.
- 03** Finally, you get back quantified data: ranked lists of themes or a precise density score for any word. You now know your content's true focus.

The bottom line is you stop guessing at content depth; you use hard data to prove which words carry the most meaning in your writing.

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## Built For

This MCP is built for anyone who spends time crafting, optimizing, or reviewing written material. If your job involves making sure a message lands clearly and powerfully—from blog posts to white papers—you need this. It's perfect for content strategists and writers tired of vague feedback.

### Content Strategist

Uses the MCP to analyze competitor articles, identifying high-value keywords they are missing or underemphasizing.

### Copywriter

Runs quick density checks on headlines and body copy to ensure crucial product terms appear with optimal frequency.

### SEO Analyst

Analyzes large batches of existing content, running `rank\_keywords` to spot clusters of related topics that need more focus.

## What Changes When You Connect

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- 01** Stop wasting time guessing. Using `rank_keywords` gives you an instant, prioritized list of terms that actually carry the most weight in your content.

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  - 02** Fine-tune your writing with precision. You can run `calculate_term_density` to see if a key product term is used enough times without sounding repetitive.

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  - 03** Ensure global reach. The MCP checks language compatibility first, so you know immediately when you're ready to analyze text in Portuguese or Spanish.

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  - 04** Go deeper than basic word clouds. This tool uses advanced density analysis to quantify how central certain themes are to your overall message.

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  - 05** Cut through the fluff. By filtering out common stopwords for English, Portuguese, and Spanish, the MCP gives you a cleaner signal of true user interest.
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## Real-World Applications

### A blog post needs more focus

A copywriter feeds an article draft into their agent. They ask it to use ``rank_keywords``. The resulting list shows that the topic 'supply chain' is underrepresented, telling them exactly where they need to add depth.

### Translating content for market expansion

A global marketing manager needs to know if keyword analysis works in German. They use ``verify_language_capability`` first. The MCP confirms support, so they can proceed with confidence on their Spanish campaign.

### Optimizing for a product launch

An SEO analyst runs a large document set through the MCP. They use ``calculate_term_density`` on 'Model X' and find its density is too low, prompting them to revise the text and boost visibility.

### Reviewing academic research papers

A researcher feeds a long paper into the agent and asks for keyword rankings. The tool quickly provides the top 15 concepts, allowing them to summarize the core findings without reading every paragraph.

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## Patterns to Avoid

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### Assuming basic word count is enough

#### X AVOID

Using a simple word counter and thinking that just because 'apple' appears five times, it means the user cares about apples.

#### ✓ INSTEAD

Don't just count. Use ``calculate_term_density`` to see how often 'apples' relates to other key words like 'pie' or 'juice,' giving you context on its true importance.

### Mixing up concepts and keywords

#### X AVOID

Trying to analyze a whole book chapter for one specific keyword, but getting results that are too general.

#### ✓ INSTEAD

If you only care about the term 'quantum computing,' use ``calculate_term_density`` with that exact word. It focuses the analysis, ignoring all other potential themes.

### Ignoring language limitations

#### X AVOID

Running a keyword ranking on Spanish text when your agent doesn't know to check for it first.

#### ✓ INSTEAD

Always start by using ``verify_language_capability``. This confirms the MCP can properly filter stopwords and analyze keywords in Portuguese, Spanish, or English.

## The Right Fit

Use this Keyword Extractor MCP if your main goal is content analysis—you need to know *which* words are driving meaning, not just how many words exist. If you're constantly refining drafts, optimizing product descriptions, or building out pillar content, this tool gives you the hard data to back up your claims. However, don't use it if you simply need a basic word count; that's too simple for this MCP. Also, if you just want to summarize the document without knowing the key terms (e.g., 'Tell me the main idea in three sentences'), stick with a pure summarization tool instead. This MCP excels when you need measurable evidence of thematic focus.

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## Keyword Extractor MCP for AI Agents: Finding Core Topics in Content

Before this MCP, figuring out what truly mattered in a 3,000-word report was painful. You'd manually read it section by section, highlighting words you thought were important, only to realize later that the key message was buried beneath filler phrases and vague adjectives. It was guesswork; you spent hours compiling lists that ended up being too noisy or incomplete.

Now, your agent runs this MCP on the document. It instantly applies advanced calculations, delivering a clean, prioritized list of terms. You don't get noise; you get signal—a definitive understanding of the report's true focus.

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## Keyword Extractor MCP for AI Agents: Measuring Term Density in Copywriting

Writing requires a delicate balance. You need to use your core keywords enough times to rank well, but not so much that the copy feels repetitive or unnatural. Manually checking if 'Eco-Friendly' appears 3-5 times across five different headings is tedious and prone to human error.

With this MCP, you just run a check on the specific term you want. It gives you an exact density score, telling you immediately if your usage is too high or too low for maximum impact.

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# Keyword Extractor: 3 Tools for Text Analysis & Keywords

Use these dedicated tools to quantify word importance, generate ranked keyword lists, or check language compatibility across your documents.

#	TOOL	DESCRIPTION
01	<code>calculate_term_density</code>	Determines the specific importance and prevalence of a single word within a provided text sample.
02	<code>rank_keywords</code>	Generates an instantly prioritized, ranked list showing the most important keywords found in any given text block.
03	<code>verify_language_capability</code>	Checks if the MCP supports the specific language you want to analyze for keyword extraction.

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## See It in Action

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

**U** Extract the most important keywords from this long transcript about AI ethics using English.



### Top Keywords Found:

1. Ethical Guidelines (Density: 0.8)
2. Bias Mitigation (Rank: 5, Density: 0.6)
3. Data Privacy (Rank: 4, Density: 0.5)
4. Transparency (Density: 0.4)

**U** What is the density of 'renewable energy' in this article about climate change?



### Analysis Results for 'renewable energy':

- **Total Count:** 9 instances
- **Calculated Density:** 0.75 (High)
- **Interpretation:** The term appears frequently and is central to the text's discussion, suggesting strong thematic focus.

**U** Is Spanish supported for keyword extraction?



### Language Capability Check:

- ✓ Yes. Spanish (es) is a fully supported language. You can analyze content in Spanish immediately.

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# Frequently Asked Questions

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**01 How does the Keyword Extractor MCP help me improve my blog posts?**

It shows you exactly which topics are most important to your current readers. By ranking keywords, it guides you to add more focus on underrepresented themes in your content.

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**02 Can I use the Keyword Extractor MCP for multiple languages?**

Yes. The MCP supports English, Portuguese, and Spanish. Just run a language check first to confirm support before you analyze text from other regions.

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**03 Is keyword density the same as keyword ranking with this MCP?**

No, they measure different things. Ranking gives you a prioritized list of themes; density tells you how important or common one specific word is within the whole text block.

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**04 If I give it a technical manual, what will the Keyword Extractor MCP tell me?**

It will pinpoint the most frequently used and important terms related to function, installation, or safety. This helps you quickly understand the document's core vocabulary.

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**05 Does the Keyword Extractor MCP filter out common filler words?**

Yes. It uses hardcoded stopword lists for English, Portuguese, and Spanish to strip away linguistic noise, ensuring your results are about actual content, not just grammar.

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# Go Live in 60 Seconds

Get your connection token from [cloud.vinkius.com](https://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 `"keyword-extractor": { "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

# Keyword 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](https://vinkius.com) · [support@vinkius.com](mailto:support@vinkius.com)

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### DOCUMENT INFORMATION

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