

MCP SERVER

NO CODE

CLOUD HOSTED

Bing Search MCP for AI Agents

Gathering real-time web data for research and analysis

Bing Search MCP connects your agent to Bing's real-time search capabilities. It allows you to pull current web articles, image metadata, local business listings, and trending news directly into your workflow. Stop relying on outdated internal knowledge; get live context for research, content creation, or automated data gathering.

A+ Quality Score 100/100

web-search

search-api

information-retrieval

data-gathering

real-time-data

knowledge-retrieval



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 — 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.

Bing Search MCP

8 tools available

Cloud-hosted on Vinkius

This MCP gives your AI agent a direct connection to Bing Search, letting it access real-time information across the entire web. Instead of pulling from static, dated databases, your agent can actually perform searches—retrieving everything from top search snippets and deep links to current news articles and image metadata. This is critical when you need context that changed minutes ago.

Using this MCP allows developers to build sophisticated agents that don't just talk about data, they actively gather it. For example, an agent can look up trending topics, find relevant local businesses near a specified address, or even pull in suggestions as if a human were typing the query. It dramatically improves decision-making by grounding your AI client in live, verified web context. You manage this connection once through Vinkius and instantly give every compatible AI client access to world-class search power.

Core Capabilities

01 — Conducting comprehensive web searches

Your agent retrieves the top results, snippets, and links from any topic across the live internet.

03 — Monitoring current events

It gathers the latest breaking news articles and identifies currently trending social topics from reliable sources.

05 — Identifying viral content trends

The tool retrieves information on images and topics that are currently gaining popularity online.

02 — Finding relevant visual assets

The MCP searches for images using Bing and returns detailed metadata about those pictures, including source URLs and dimensions.

04 — Locating physical services

Your agent can search for businesses, specific services, or points of interest in a local area.

06 — Refining agent queries instantly

It provides real-time search autocomplete suggestions, allowing your agent to refine its questions as it goes.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/bing-search — connect your AI agent in three steps.

- 01 First, subscribe to the Bing Search MCP on Vinkius and secure your API key from the Azure Portal.
- 02 Next, configure your preferred AI client (Claude, Cursor, etc.) using this unique connection credential.
- 03 Finally, prompt your agent with a request for current information; it executes the search through the MCP and returns live web data.

The bottom line is that you connect once to Vinkius, input the key, and immediately gain real-time global search power within any compatible AI client.

Built For

This MCP is essential for researchers, analysts, and content creators who can't afford outdated data. If your job requires knowing what happened five minutes ago—whether it's a market trend or breaking news—you need this. Developers also rely on it to build robust agents that interact with the real world.

Market Analyst

Uses Bing Search MCP to quickly gather market intelligence, pulling current news articles and comparing trending topics against historical data.

Content Creator

Employs the tool to find currently trending images and relevant visual ideas for blog posts or social media campaigns without leaving their writing editor.

Software Developer

Integrates web data into automated agent workflows, allowing agents to execute real-time searches when making decisions in production code.

What Changes When You Connect

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- 01 Real-time Context: You immediately pull current information (like breaking news or today's market trends) instead of relying on static, outdated knowledge bases.

 - 02 Visual Data Retrieval: With tools like `search_images`, your agent doesn't just give you links; it provides metadata and source URLs for images, which is vital for content creation.

 - 03 Hyper-Local Insight: Using `search_local` allows agents to pinpoint businesses or services in a specific geographic area, making planning and field work much more accurate.

 - 04 Streamlined Research: Instead of jumping between tabs, your agent can execute the full cycle—web search, local lookups, and news monitoring—all from one prompt.

 - 05 Better Querying: The `search_suggestions` tool helps the agent refine vague prompts in real time, ensuring the final search query is as precise as possible.
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Real-World Applications

Investigating a competitor's new product launch

A market analyst needs to know if a competitor just announced something. They prompt their agent, and the agent uses `search_news` and `search_web` to pull up all recent articles, ensuring the data is live before they write a report.

Generating visual content for a blog

A content creator needs images illustrating 'sustainable tech.' They use the MCP to run `search_images` which returns not only pictures but also metadata confirming the source and dimensions, saving time on asset verification.

Planning an event itinerary

A project manager asks the agent for details about services near a conference venue. The agent uses `search_local`, providing addresses and types of businesses that attendees might need, like nearby restaurants or ATMs.

Monitoring geopolitical shifts

An analyst tracks a volatile region. The agent uses both `get_trending_news` and `search_web` to monitor rapidly changing political narratives and major developing stories simultaneously.

Patterns to Avoid

Treating the MCP as a simple search bar

X AVOID

The user just asks, 'Tell me about quantum computing.' The agent only provides general knowledge scraped from its training data and ignores current developments.

✓ INSTEAD

Instead, prompt your agent: 'What are the top 3 recent breakthroughs in quantum computing? Use Bing Search MCP to find articles published in the last week.' This forces the use of `search_news` for live context.

Ignoring visual context

X AVOID

A marketer asks for 'modern office designs' and gets a list of text descriptions with no idea what it looks like.

✓ INSTEAD

Use the MCP to run `search_images` directly. The agent will retrieve not only keywords but also image metadata, giving the marketer concrete visual options.

Stopping at the first search result

X AVOID

The agent runs a general web search and stops after presenting the top three links, without checking for local details or related news.

✓ INSTEAD

Tell your agent to run a multi-step process: First, use `search_web` to get general context. Then, use `search_local` to find actionable spots near those results.

The Right Fit

Use Bing Search MCP if your task requires data that is volatile, current, or geographically specific. You need this when you can't afford stale knowledge—if the project involves tracking breaking news, finding a physical location for an event, or understanding what users are currently searching for online (like trending topics). Don't use it if all you need is information stored in a stable, internal database; then, a dedicated data retrieval MCP might be better. However, if your task requires verifying current public opinion or gathering visual proof, the combination of `search_web`, `get_trending_images`, and `search_news` makes this MCP indispensable.

Bing Search MCP for AI Agents: Solving real-time information gaps

Today, gathering context is a painful manual process. You have to open multiple browser tabs—one for general news, one for local directories, and another just to check current trends or images. You spend time copy-pasting key findings between these sources, manually cross-referencing data points to build a complete picture.

With this MCP, your agent handles that entire flow in the background. Instead of opening ten tabs, you ask one question. The system executes multiple searches—running `search_web` for context and then running `search_local` for specifics. You get a single, synthesized answer backed by live data.

Bing Search MCP for AI Agents: Improving query precision

Before this tool, if your initial prompt was vague—say, just 'tech developments'—the agent would give a generic answer. You'd then have to manually refine the search terms and repeat the process until you got what you needed.

Now, by incorporating `search_suggestions`, your agent can correct its own trajectory. It gets real-time suggestions as it refines its understanding of your request, making the final output accurate right out of the gate.

8 Tools for Live Web & Media Data Gathering

Use these specific tools to perform deep searches across the web, images, news feeds, and local business directories using Bing's power.

#	TOOL	DESCRIPTION
01	<code>get_trending_images</code>	Retrieves a list of images and topics that are currently gaining popularity online.
02	<code>get_trending_news</code>	Pulls information on news topics that have recently become popular or highly discussed.
03	<code>search_images</code>	Performs a search for images using Bing, returning visual results and associated metadata.
04	<code>search_videos</code>	Searches for video content using Bing to find relevant clips or guides.
05	<code>search_local</code>	Finds specific businesses, services, and points of interest near a given location.
06	<code>search_news</code>	Gathers up-to-date news articles about specified topics using Bing's dedicated search feature.
07	<code>search_suggestions</code>	Provides real-time autocomplete suggestions to help refine the agent's original query.
08	<code>search_web</code>	Executes a general search across the entire web using Bing, returning top results and snippets.

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 trending news stories about renewable energy storage this week?



⚡ Trending Tech News

- **Breakthrough in Flow Batteries:** A new facility announced a major increase in lithium-ion storage capacity, promising grid stability improvements.
- **Policy Shift:** Several international bodies are debating new regulations aimed at speeding up solar panel adoption. (Source: Global Energy Review)
- **Key Player Update:** Company X revealed partnerships focusing on sustainable hydrogen fuel cell technology.

[See full article summaries for more details.]

U Find me local Italian restaurants near 90210 that have good reviews.



📍 **Local Spot Recommendations (Beverly Hills Area)**

RESTAURANT	TYPE	RATING	NOTES
Trattoria Bella	Italian Dining	4.7/5	Best for family groups, reservations recommended.
Pasta Palace	Casual Bistro	4.1/5	Quick lunch spot; known for fresh pasta.

Data gathered from local business listings.

U Show me some cool images of remote working setups.



Here are a few visual ideas showing modern, ergonomic work environments:

1. **Minimalist Desk Setup:** Clean lines, natural wood, and dual monitors. (Source: Pinterest/DesignBlog)
2. **Outdoor Command Center:** A laptop setup on a cliff overlooking the ocean. Great for inspiration! (Source: TravelMag)
3. **Smart Home Office:** Integrated tech with hidden wiring and smart lighting controls. (Source: TechReview)

Frequently Asked Questions

01 How does Bing Search MCP help me get current data for my research?

This MCP gives your agent access to live web search results, meaning it pulls today's news and the most recent articles. You stop getting old information and start working with real-time context on any topic.

02 Can Bing Search MCP find local businesses for an event?

Yes. The tool can pinpoint specific services, restaurants, or venues near a given address using `search_local`. It gives you actionable details like addresses and ratings right in your chat.

03 Is the information from Bing Search MCP reliable enough for professional reports?

The MCP pulls data from major web sources, including news outlets. It's designed to provide verifiable context that helps you write more accurate and timely reports.

04 What if I need visual ideas for a presentation?

You can use the image search features of this MCP. It retrieves not just pictures, but also metadata like source URLs, which means you know exactly where to get the high-quality assets.

05 Does Bing Search MCP only work for general web queries?

No. Beyond general search, it can check out trending topics using `get_trending_images` and monitor specific breaking news stories with dedicated search functions.

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 `"bing-search": { "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

Bing Search 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

Generated	June 2026
MCP Server	Bing Search MCP
Server ID	019d755d-1635-72bc-ae18-60c151c87162
Platform	Vinkius Cloud for AI Agents
Endpoint	https://edge.vinkius.com/{token}/mcp

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