

MCP SERVER

NO CODE

CLOUD HOSTED

Ideogram (AI Image Generation) MCP

Create visuals that feature readable text, not just pretty pictures.

Ideogram (AI Image Generation) gives you complete control over creating, editing, and refining complex visuals directly through your AI client. It's best in class for generating images where accurate, readable text—like logos or posters—is required. You can generate assets with transparent backgrounds, resize shots, replace entire backdrops, and even describe existing photos using natural conversation.

A+ Quality Score 98.33/100

generative-ai

typography

image-generation

graphic-design

visual-content



The infrastructure that powers AI agents in the real world.



Vinkius connects AI to the world's software through secure, enterprise-grade infrastructure — enabling real-world execution at scale, built on the Model Context Protocol (MCP).

Your AI Connections Run Through Vinkius Cloud

The world's largest
managed MCP catalog

Vinkius is the cloud infrastructure where AI agents connect 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.

Ideogram (AI Image Generation) MCP

10 tools available

Cloud-hosted on Vinkius

You need to create visuals that look professional but don't have the time (or budget) for Photoshop. This MCP connects your AI client directly to Ideogram's full suite of image tools. Instead of dealing with multiple design programs, you just talk to your agent and get results instantly. You can generate high-fidelity images, focusing on making text readable—something most other generators struggle with. Need a logo that needs to appear on a website? Use the transparent asset tool to create PNGs perfect for compositing. Want to change the setting of an existing photo? The background replacement tool lets you swap out a boring office park for a cyberpunk city, keeping your main subject intact. Everything is managed through the Vinkius catalog, giving your agent access to professional-grade visual tools without needing any manual setup or complex API calls.

Core Capabilities

01 — Generate images from text

Use a simple prompt to create brand new visuals, with specialized focus on making printed and displayed text look perfect.

03 — Rescale and adjust photos

Change the dimensions of an image, filling in any necessary empty space while maintaining the original scene's content using AI.

05 — Change the background entirely

Keep your subject exactly as they are, but swap out their current setting for something completely different based on your description.

02 — Create transparent logos

Instantly generate assets like stickers or company badges that have no background (an alpha channel) so they fit anywhere.

04 — Edit specific parts of visuals

Target a precise area within an existing picture—like someone's face or clothing—and change it using a mask and new text prompt.

06 — Improve image quality

Increase an image's overall resolution and detail without losing the original composition or feeling of the photo.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/ideogram-ai-image-generation — connect your AI agent in three steps.

- 01 Subscribe to this MCP on Vinkius and plug in your Ideogram API key.
- 02 Ask your AI client to generate a visual asset, specifying which tool you need (e.g., 'Generate an image for my brand guide').
- 03 The agent sends the prompt to the service and returns the finished file or edited visual directly into the chat.

The bottom line is: your AI client handles all the back-and-forth with the image generator, so you just get what you asked for.

Built For

This connector helps graphic designers and marketing leads who are tired of manually cropping, resizing, or wrestling with background removal tools. If your job involves creating visual content for social media, websites, or print materials with readable text, this is what you need.

Graphic Designer

Needs to quickly iterate on logo concepts and typography-heavy designs by generating multiple versions of a brand mark in conversation.

Marketing Specialist

Generates social media ads or branded posters that require accurate, readable text without having to load up dedicated design software.

Content Creator

Creates unique video thumbnails and web assets quickly by generating images with transparent backgrounds and then improving their resolution.

What Changes When You Connect

-
- 01 Get professional logos and posters with perfect typography. The `generate` tool ensures your brand names and headlines look crisp and correct—a huge upgrade from other generators.

 - 02 Work with assets that fit anywhere. Use the `generate_transparent` tool to create sticker-ready or logo files (PNG with alpha channel) without having to mask them manually.

 - 03 Fix bad compositions fast. If a photo is too wide for Instagram, use `reframe` to resize it while AI fills in the missing space realistically, saving hours of cropping.

 - 04 Change settings on the fly. Instead of taking a new photo shoot, use `replace_background` to put your client into front of an exotic location with just a text prompt.

 - 05 Improve old material. Found a low-res asset? Running it through `upscale` dramatically enhances the detail and clarity, making it usable for print or high-resolution screens.
-

Real-World Applications

Launching a new product line

A marketing team needs 12 different social media ads for a 'Summer Sale' campaign. Instead of manually creating and editing twelve separate designs, they ask their agent to use the `generate` tool repeatedly with variations in background and text copy, getting all required assets in minutes.

Website hero image overhaul

A web designer has a photo of their CEO that was taken outdoors but doesn't match the site's modern indoor aesthetic. They use `replace_background` to instantly swap out the natural setting for an architectural, minimalist office interior.

Creating branded merchandise

A content creator needs a sticker for their YouTube channel featuring their name and logo. They ask the agent to use `generate_transparent` with a specific prompt, instantly receiving a perfectly isolated PNG asset ready for printing.

Reviving old campaign materials

A brand manager finds a great photo from last year but it's low resolution. They feed the image into the agent and ask to `upscale` it, boosting the quality enough that they can use it again without worrying about pixelation.

Patterns to Avoid

Trying to generate readable text manually

X AVOID

Prompting a generic AI agent: 'Make an image of a sign that says Welcome To Our Store.' The result is always distorted, weird gibberish letters.

✓ INSTEAD

Use the `generate` tool. Because it specializes in typography-heavy designs, you can prompt for specific text like, 'A neon sign reading 'Welcome to our store' on brick wall,' and get accurate results.

Using basic image tools for complex edits

X AVOID

Trying to change the color of a subject's jacket in an existing photo using general-purpose editing software, which often leaves fuzzy edges or halos.

✓ INSTEAD

Use the `edit` tool. By masking the specific area and prompting for 'change jacket color to forest green,' you get precise, high-quality changes that respect the image's original structure.

Forgetting the asset's required background

X AVOID

Generating a logo with a solid white square around it and then trying to place it on a dark website banner.

✓ INSTEAD

Always use `generate_transparent` when creating logos, stickers, or any element that needs to float over different backgrounds. It ensures you get the PNG with an alpha channel.

The Right Fit

You should use this MCP if your visual content requires accuracy in typography and high control over asset components. If your project is about creating graphics for print, digital ads, or branded merchandise where text must be readable—this is the tool. For example, generating a poster with specific headlines demands `generate`. However, don't use this if you simply need to summarize

an image. The `describe` tool handles that; it doesn't generate visuals. Also, if your goal is purely scientific data visualization (like charts or graphs), other specialized tools might be better. But for anything aesthetic and text-driven, Ideogram gives you the necessary control.

The struggle to make AI images actually read like they were designed by a human.

Right now, when you use general image generators, you get pretty pictures. You might generate an ad poster for your new product, but if the sign says 'Sale' instead of 'Sales,' or if the company name is misspelled gibberish, the whole campaign falls apart. You spend time prompting, only to realize the text rendering is unusable.

With this MCP, you talk to your agent and it uses its specialized tools. The result? A visual asset where the headline and product names are perfectly legible, like they came straight out of professional design software. You get usable content, not just pretty noise.

Generate high-quality transparent assets with `generate_transparent`.

Before this, making a logo for web use meant taking the final PNG and then manually running it through a separate background removal tool to get an alpha channel. It was a three-step process that always risked losing quality or introducing artifacts.

Now, you tell your agent you need a sticker with a transparent background, and the `generate_transparent` tool handles the whole sequence. You get the clean, ready-to-use file in one go.

Ideogram (AI Image Generation) with 10 Tools

This collection of tools lets you generate images from scratch, modify existing photos in detail, manage backgrounds, and upscale quality all through conversation.

#	TOOL	DESCRIPTION
01	<code>generate</code>	Generates new images from a text prompt, excelling at embedding readable text for ads or posters across V_2, V_2_TURBO, and V_3 models.
02	<code>generate_v3</code>	Uses the latest Ideogram V3 model to generate images, offering top-tier quality in both text rendering and photorealism.
03	<code>generate_transparent</code>	Creates new images that feature a transparent background (PNG format with alpha channel), ideal for stickers or logos.
04	<code>edit</code>	Allows you to change specific elements of an image using a mask and prompt, and it even supports face swapping.
05	<code>edit_v3</code>	Edits existing pictures using the advanced V3 model for higher-quality changes, especially useful when modifying text within the photo.
06	<code>remix</code>	Transforms an existing image by applying a completely new style or prompt while making sure to keep the original composition intact.
07	<code>describe</code>	Receives any public image URL and returns a detailed, AI-generated text description and potential prompts for that visual content.
08	<code>reframe</code>	Adjusts an image's resolution or aspect ratio while using AI to fill in the missing parts seamlessly.
09	<code>replace_background</code>	Keeps the main subject of a photo and generates a completely new, detailed background based on your prompt.
10	<code>upscale</code>	Increases an image's resolution and sharpens its overall detail without sacrificing quality.

See It in Action

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

U Create a modern logo for a company named 'NeonFlow' with a transparent background



Generating transparent logo... I've created a sleek, modern 'NeonFlow' logo with glowing typography and a clean alpha channel. You can download the PNG asset here: [image-url].

U Replace the background of this image with a futuristic cyberpunk city: [url]



Background replacement in progress... I've kept the main subject from your original image and generated a vibrant, neon-lit cyberpunk cityscape behind them. How does the new composition look?

U Remix this image to make it look like a 1950s vintage poster: [url]



Remixing image... I've applied a mid-century vintage aesthetic to your source image, including authentic 1950s color palettes and distressed poster textures. Would you like to add any specific text to the poster?

Frequently Asked Questions

01 How do I make sure my text is accurate when using Ideogram (AI Image Generation) MCP?

The `generate` tool specializes in typography and advertising assets, making it the most reliable option for readable text like logos or posters. It's built to handle specific lettering better than general image generators.

02 Can I change a photo taken last year using Ideogram (AI Image Generation) MCP?

Yes, you can enhance old photos by using the `upscale` tool. This boosts the resolution and detail of existing images so they look sharp enough for modern printing or screens.

03 What is the best way to remove a background from a photo?

Use the dedicated `generate_transparent` tool when creating assets like logos or stickers. It specifically outputs PNG files with an alpha channel, which is necessary for true transparency.

04 Does Ideogram (AI Image Generation) MCP support editing existing images?

It does. You can use the `edit` tool to target specific parts of a photo—like changing clothing color or swapping faces—while leaving everything else untouched.

05 How do I resize an image for a different platform using Ideogram (AI Image Generation) MCP?







The `reframe` tool handles resizing. It adjusts the resolution while intelligently filling in any empty areas to maintain the scene's context, so you don't lose visual continuity.

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>"ideogram-ai-image-generation": { "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

Ideogram (AI Image Generation) 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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