MCP SERVER | NO CODE | CLOUD HOSTED

Stability AI MCP

Generate and refine complex visuals instantly.

Stability AI Alternative MCP connects your agent to professional-grade image generation and editing capabilities using Stable Diffusion models. Generate stunning visuals from simple text prompts, modify existing photos, or upscale low-res images—all directly through conversation with any compatible client.

A+ Quality Score 100/100

stable-diffusion | image-generation | ai-art | upscaling | inpainting

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vinkius.com/mcp/stability-ai-alternative

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.

Stability AI MCP

7 tools available
Cloud-hosted on Vinkius

Need high-quality visuals without leaving your chat window? This MCP gives your AI agent direct access to the power of Stability AI. You can generate entirely new art just by describing it. Need to change an existing photo, like replacing a jacket or fixing a background? The system handles that. Plus, if you have great images but they're too small, you can increase their resolution and detail. It's all about getting visual assets quickly, whether for a blog post or a design concept. Because this MCP is housed in the Vinkius catalog, you connect once from your favorite AI client (like Claude or Cursor) and get access to image creation alongside everything else you do.

Core Capabilities

01 — Generate images from text prompts

Creates brand-new pictures based on a descriptive text prompt, returning the image data directly to your agent.

02 — Modify existing photos

Alters an image you provide using a new text prompt, letting you change elements like style or subject matter.

03 — Mask and replace specific areas of images

Allows precise editing by defining a mask over an image and replacing only the masked area with something else.

04 — Increase image resolution

Upscales low-resolution pictures, adding detail and boosting overall clarity without losing quality.

05 — Check account status and engines

Provides real-time data on your available credits and lists all the specific Stable Diffusion models you can use for generation.

One Click on Vinkius — From Prompt to Execution

Available at **vinkius.com/mcp/stability-ai-alternative** — connect your AI agent in three steps.

01 First, connect this MCP to your preferred AI client and enter your Stability AI API key.

02 Next, tell your agent exactly what kind of image you want or how you want to modify a photo. The agent selects the right tool based on your request.

03 Finally, the MCP runs the generation process, returning the resulting image data (base64 encoded) for you to review and use.

The bottom line is: it turns complex, multi-step image processing into a simple conversation with your agent.

Built For

Designers who hate waiting on render farms. Content creators stuck copy-pasting assets across platforms. Marketing teams that need to quickly visualize campaign concepts without hiring a full art department.

Digital Designer

Generating multiple visual mockups for client presentations or prototyping UI elements when the style changes rapidly.

Content Marketer

Creating unique, high-volume assets (like social media headers) that match a specific brand aesthetic using text prompts and upscaling.

Freelance Artist/Illustrator

Iterating on concepts by making small, precise changes to existing work or testing different artistic styles without manual software setup.

What Changes When You Connect

01 Stop leaving your chat client to create art. With this MCP, you can generate images (using `text_to_image`) or edit photos using only conversational prompts, keeping your workflow in one place.

02 You don’t have to guess about model compatibility. Use `list_engines` to see every available generation model and upscaler before you commit a credit.

03 When an image isn't quite right, use `image_to_image`. This tool lets you guide the AI to modify existing concepts—like changing a character’s clothing or background—without starting over.

04 Need surgical precision? The `masking` tool lets you replace only specific sections of a photo. You mark the area, and your agent handles the complex replacement process.

05 Don't worry about low-res assets. Run `upscale_image` on any generated piece to boost its resolution, making it suitable for high-quality print or large screens.

Real-World Applications

Revamping a blog header image

A marketing manager needs a new hero image for an article about space travel. They prompt their agent: 'Generate an astronaut looking at Saturn.' The agent uses `text_to_image` to create the perfect visual, saving hours of searching stock photo sites.

Correcting a client’s logo draft

A designer gets a rough concept drawing. They upload it and tell their agent: 'Keep this layout but make the background look like distressed wood.' The agent uses `image_to_image` to execute the precise style modification.

Scaling artwork for print

An artist finishes a beautiful 1080p piece. Before sending it to a printer, they use the MCP's `upscale_image` tool. The agent increases the resolution dramatically so the final product looks professional and crisp.

Updating character details in concept art

A comic book writer needs to change a character’s hairstyle mid-project. They use `masking`, marking over the hair area, and prompt: 'Make it shoulder-length blonde.' The MCP isolates the change perfectly.

Patterns to Avoid

Treating image generation like a simple search query

✗ AVOID

Asking your agent, 'Give me a picture of a dog in space.' This vague request will yield generic, unrefined images that don't match your specific vision.

✓ INSTEAD

Be descriptive and use the right tools. Instead of vague prompts, try: 'Generate an image of a Golden Retriever wearing a miniature astronaut suit floating near Saturn using `text_to_image`.' This gives the agent clear parameters.

Trying to edit images without masking

✗ AVOID

Attempting to tell your agent, 'Change the car's wheel and make it red,' when only providing a general prompt. The resulting change will look muddy or misplaced.

✓ INSTEAD

Use the `masking` tool. First, select the wheel area with the mask, then give the specific instruction: 'Replace this masked area with a bright red, futuristic rim.' This ensures accuracy.

Assuming all models are available

✗ AVOID

Telling your agent to use an advanced model by name without checking its status. You might waste credits on a deprecated or unavailable engine.

✓ INSTEAD

Always run `list_engines` first. This confirms the specific, stable models you can currently access and use for maximum reliability.

The Right Fit

Use this MCP if your primary need is creative visual iteration—you need to generate concepts from scratch, or precisely modify existing artwork without opening Photoshop or dedicated image APIs. You're looking for the fastest way to get a high-quality asset based on natural language prompts.

Don't use this if you only need basic stock photos or simple resizing. For general visual search, start with a dedicated stock library. If your process requires complex data piping (e.g., reading image metadata into a database), you might prefer an external platform that integrates specialized workflow engines outside of pure creative generation.

Crucially, if you are already working within a structured environment like Figma or directly in Photoshop and don't want the agent to

handle any part of the process, this MCP adds an unnecessary conversational layer. But if your entire job is prompt-to-pixel iteration, this is the tool for you.

The Visual Asset Bottleneck

Today, when a marketing campaign needs a visual refresh—say, updating product photos to match a new 'vintage' aesthetic—you end up in a cycle of clicking. You download the original image into Photoshop, manually adjust layers, try to isolate and mask specific areas (like changing the color of a logo), then save it, hoping the file size is right for social media.

With this MCP, you just talk to your agent. You upload the photo and prompt: 'Update this product shot using a distressed film look.' The system handles all that masking, style transfer, and optimization in one go. You get the final, usable image artifact immediately.

Image Generation Tools

The manual steps of selecting a model, managing parameters, and uploading masks are all gone. Instead of juggling multiple web interfaces or remembering complex API calls, you simply tell your agent what you want.

It's not just about generating images; it's about turning vague creative ideas into concrete, ready-to-use digital assets in seconds.

Stability AI Alternative: Image Generation Tools (7)

These tools let you generate new pictures from text, edit existing photos with masks, upscale resolution, and manage your account within one place.

#	TOOL	DESCRIPTION
01	`get_user_account`	Retrieves your current account details and usage information from Stability AI.
02	`list_engines`	Lists all the specific Stable Diffusion models and upscaling engines available for use in image generation.
03	`masking`	Replaces parts of an image you provide by defining a precise mask over the area to be changed.
04	`get_user_balance`	Checks your remaining credit balance, so you know exactly how many generations you can afford.
05	`image_to_image`	Modifies an existing picture based on a new text prompt, guiding the AI to change its content while keeping the structure intact.
06	`text_to_image`	Generates a completely new image from scratch using only descriptive text prompts.
07	`upscale_image`	Increases the resolution of an existing picture, making it clearer and more detailed for printing or large displays.

See It in Action

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

U Generate an image of a cyberpunk city at night with neon lights using stable-diffusion-xl-1024-v1-0.

I've initiated the generation using the Stable Diffusion XL engine. Here is your generated image of a neon-lit cyberpunk city.

U Check my current Stability AI credit balance.

Your current account balance is 145.5 credits.

U List all available engines for image generation.

I've retrieved the list of available engines. You can use models like `stable-diffusion-v1-6`, `stable-diffusion-xl-1024-v1-0`, and upscalers like `esrgan-v1-x2plus`.

Frequently Asked Questions

01 **How do I check my Stability AI credit balance using the MCP?**

You use the `get_user_balance` tool. Simply ask your agent to 'Check my account balance.' It will pull up the real-time number, letting you know exactly how many generations are left.

02 **What is the difference between `text_to_image` and `image_to_image`?**

`text_to_image` creates something entirely new from a text description. `image_to_image` starts with an existing photo and modifies it based on your prompt, keeping some of the original composition.

03 **Can I use this MCP to change one small part of a picture?**

Yes, you'll want to use the `masking` tool. You first define the area you want to change with a mask, and then prompt your agent for the replacement content.

04 **Does this MCP support upscaling images for print?**

Yes, you can use `upscale_image`. This function increases the resolution of an existing picture so it looks sharp even when printed large or viewed on a massive screen.

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 `"stability-ai-alternative": { "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

Stability AI 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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