

MCP SERVER

NO CODE

CLOUD HOSTED

Adobe Firefly

A+ Quality Score 100/100

generative-ai

text-to-image

generative-fill

vector-generation

creative-workflow

image-editing



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.

Adobe Firefly MCP

10 tools available

Cloud-hosted on Vinkius

One Click on Vinkius — From Prompt to Execution

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

Built For

10 Tools Available

#	TOOL	DESCRIPTION
01	text_to_image	Model 5 offers photorealistic output. Instructions: Pass prompt and count (1-4). Generate images from a text prompt using Adobe Firefly
02	generative_fill	Instructions: Upload image first, get image_id and mask_id. Fill masked areas of an image using Adobe Firefly Generative Fill
03	generative_expand	Instructions: Pass image_id, target width/height. Expand an image beyond its borders using Adobe Firefly
04	text_to_vector	Instructions: Pass a descriptive prompt. Generate SVG vectors from a text prompt using Adobe Firefly
05	upload_image	Returns image ID. Instructions: Pass a publicly accessible URL. Upload an image to Adobe Firefly storage
06	remove_background	Instructions: Upload image first, pass image_id. Remove the background from an image using Adobe Firefly
07	generate_similar	Instructions: Upload reference first, pass image_id and prompt. Generate images similar to a reference using Adobe Firefly
08	generate_object	Instructions: Pass descriptive prompt. Generate an object composite image using Adobe Firefly
09	text_effects	Instructions: Pass the text and a style prompt. Apply AI text effects using Adobe Firefly
10	list_models	List available Firefly models

See It in Action

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

U Generate a photorealistic image of a futuristic workspace with large windows



Generation initiated! I'm using Adobe Firefly Model 5 to create your futuristic workspace image. I'll provide the high-fidelity results for you to download in a few moments.

U Create an SVG vector of a minimal mountain landscape



Vector synthesis started! I'm generating an editable SVG landscape based on your prompt. This asset will be commercially safe and ready for use in Adobe Illustrator or web builds.

U Remove the background from image 'img_789'



Processing image... I've commanded Adobe Firefly to remove the background from img_789. I'll provide the transparent PNG link for you synchronously.

Frequently Asked Questions

01 Can my agent generate SVG vector files using Adobe Firefly?

Yes. Use the 'text_to_vector' tool. Provide a descriptive prompt, and the agent will command the Firefly engine to produce editable SVG vector graphics natively, which are perfect for use in Adobe Illustrator.

02 How do I perform generative fill on an image via chat?

First, use 'upload_image' to get an 'image_id'. Then, use the 'generative_fill' tool by providing the image ID, a mask ID (for the area to fill), and your prompt. The agent will execute the AI fill synchronously.

03 Can I remove the background of an image through the agent?







Absolutely. Use the 'remove_background' tool. After uploading your source image and retrieving its ID, the agent will command Firefly to process the file and return a transparent PNG body synchronously.

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>"adobe-firefly": { "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

Adobe Firefly 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

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Platform	Vinkius Cloud for AI Agents
Endpoint	https://edge.vinkius.com/{token}/mcp

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