

M C P S E R V E R

N O C O D E

C L O U D H O S T E D

Affiliate Program Economics MCP

Model your affiliate margins and program profitability instantly.

Affiliate Program Economics MCP gives your AI client the math tools needed to audit and project affiliate marketing performance. You can calculate specific customer unit economics, determine tiered commission rates, and project total program P&L to ensure your marketing spend stays profitable.

economics

affiliate

pnl

cac

ltv



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.

Affiliate Program Economics MCP

3 tools available

Cloud-hosted on Vinkius

You can stop guessing if your affiliate program is actually making money. This MCP gives your agent the specific financial tools required to run deep profitability audits. Instead of manually building spreadsheets to check your margins, you can ask your AI client to run the numbers for you. You can use it to figure out the exact margin you keep after paying out commissions, or to see how much a specific tier of affiliates will cost you as you scale. It handles the heavy lifting of calculating effective CAC and total program P&L, so you can focus on strategy rather than arithmetic. Whether you are testing a new commission structure or auditing existing partners, this MCP provides the mathematical backbone for your marketing decisions.

Core Capabilities

01 — Unit Economics Audits

Your agent calculates the margin and CAC for individual customer acquisitions.

03 — Commission Tier Logic

Your client determines the correct payout rate for affiliates based on their performance levels.

02 — Profit and Loss Projections

The AI estimates total program profitability based on your projected scale.

04 — Margin Protection

The AI uses commission logic to help you maintain target profitability levels.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/affiliate-program-economics — connect your AI agent in three steps.

- 01 Connect your preferred MCP-compatible client to Vinkius.
- 02 Provide your customer and commission data to your AI agent.
- 03 Ask the agent to run specific calculations like unit economics or P&L.
- 04 Review the mathematical outputs directly in your chat interface.

Connect your AI client to Vinkius to start running financial models immediately.

Built For

This MCP is built for marketing professionals who need to validate their financial assumptions without manual spreadsheet work.

Affiliate Managers

They use the MCP to quickly check if new commission offers are sustainable.

Growth Marketers

They use it to model how scaling affiliate volume impacts the total program P&L.

Finance Analysts

They use the tool to audit marketing spend and verify unit economics.

What Changes When You Connect

- 01 Eliminates manual math errors in commission and margin calculations.
- 02 Provides instant P&L projections as you scale affiliate volume.

- 03** Automates the lookup of tiered commission rates based on performance.
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Real-World Applications

New Partner Onboarding

Model the impact of a new affiliate's commission rate on your unit economics before you sign them.

Tiered Payout Audits

Verify that your highest performing affiliates are being paid the correct tiered rates.

Scaling Projections

Predict your total program profit when moving from 100 to 10,000 customers.

Margin Analysis

Check how changes in AOV or LTV affect your ability to pay higher commissions.

3 Tools Available

#	TOOL	DESCRIPTION
01	calculate_program_pnl	This tool estimates the total Profit and Loss for your entire affiliate program based on your current scale.
02	calculate_unit_economics	Use this tool to find core profitability metrics for a single customer acquired through an affiliate.
03	get_tiered_commission_rate	This tool identifies the correct commission rate for an affiliate based on their specific performance tier.

See It in Action

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

U Calculate the unit economics for a customer with a 10% commission, \$50 AOV, and \$200 LTV.



The effective CAC is \$5.00 and the margin per customer is \$195.00.

U What is the total net profit for 1000 customers if the unit economics shows a \$50 margin per customer and management costs are \$2000?



The total net profit for the program is \$48,000.00.

U An affiliate has 50 customers. If the base rate is 10% and the growth tier multiplier is 1.2 at 40 customers, what is their rate?



The applied commission rate is 12.0%.

Frequently Asked Questions

01 What can this MCP calculate?

It calculates unit economics, total program P&L, and tiered commission rates.

02 Which AI clients can I use with this MCP?

You can use it with any MCP-compatible client like Claude, Cursor, Windsurf, or VS Code.

03 Do I need to provide my own formulas?

No, the math logic for unit economics and tiered commissions is built into the tools.

04 Can I model different commission tiers?

Yes, the `get_tiered_commission_rate` tool handles performance based commission logic.

05 Is this for real-time data or modeling?

This is a modeling tool designed to help you run scenarios and projections based on the data you provide.

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>"affiliate-program-economics": { "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

Affiliate Program Economics 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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DOCUMENT INFORMATION

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

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