

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

Gross Profit Calculator MCP

Get instant clarity on your business margins and profitability.

Gross Profit Calculator MCP gives your AI client the math skills to handle core financial analysis. Instead of you manually running formulas, your agent uses this MCP to calculate absolute profit, determine margin percentages, and check if your current numbers hit your target thresholds. It turns raw revenue and COGS data into actionable business health assessments.

A+ Quality Score 100/100

profit

margin

revenue

cogs

accounting



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.

Gross Profit Calculator MCP

4 tools available

Cloud-hosted on Vinkius

You can stop manually calculating margins in spreadsheets. This MCP gives your AI agent the specific tools needed to handle profit and loss math directly within your chat interface. Whether you are looking at raw revenue or cost of goods sold (COGS), your agent can instantly pull the numbers you need to see how much money you are actually keeping.

You can use it to run quick checks on specific product lines or look at the big picture of your business health. Your agent can compare revenue against costs to see if your margins are healthy or if they are slipping. If you have specific financial goals, you can tell your agent to verify if your current performance meets those targets. It makes financial oversight a conversational task rather than a manual data entry chore.

Core Capabilities

01 — Absolute Profit Calculation

Your agent calculates the exact dollar amount remaining after costs.

02 — Margin Percentage Tracking

The AI determines what portion of every dollar earned is profit.

03 — Goal Verification

Your agent checks if your current margins hit your predefined targets.

04 — Health Assessments

The AI evaluates the relationship between revenue and COGS to judge margin stability.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/gross-profit-calculator — connect your AI agent in three steps.

- 01 Connect the MCP to your client like Claude or Cursor via Vinkius.
- 02 Provide your revenue and COGS data to your AI agent.
- 03 The agent calls the necessary tool to perform the math.
- 04 You receive the calculated profit, margin, or health assessment in the chat.

Connecting this MCP to your AI client gives your agent immediate access to financial math tools.

Built For

This MCP is built for anyone managing business finances who wants to use AI to interpret their numbers.

Small Business Owners

Hand off raw sales and cost data to your agent to get instant margin reports.

Accountants

Use the agent to quickly validate if specific margins meet client requirements.

E-commerce Managers

Let your agent monitor product profitability by comparing revenue against COGS.

What Changes When You Connect

- 01 Removes the need for manual margin formulas in your chat.
- 02 Provides instant validation against target profit percentages.
- 03 Turns raw revenue and cost data into qualitative health assessments.

Real-World Applications

Product Profitability Checks

Ask your agent to calculate the gross profit for a specific SKU based on its revenue and COGS.

Target Monitoring

Have your agent verify if your current business performance stays above your required margin threshold.

Financial Health Audits

Use the efficiency tool to see how well your revenue is covering your costs.

Quick Margin Math

Get the percentage of profit for any revenue and cost combination without opening a calculator.

Patterns to Avoid

Manual Spreadsheet Math

❌ AVOID

You type out a long string of revenue and cost numbers into your chat and ask the agent to do the math manually. This leads to calculation errors and wasted time.

✓ INSTEAD

Let your agent use ``calculate_gross_profit`` to get the exact currency value of your remaining profit instantly.

Vague Margin Checks

❌ AVOID

You ask your agent if your business is doing well without providing specific targets or cost data. The agent can only guess at your financial health.

✓ INSTEAD

Provide your specific target percentages and use ``validate_margin_thresholds`` to see if you are actually hitting your goals.

Ignoring COGS Trends

❌ AVOID

You look at total revenue but ignore how much it costs to produce your goods. You might think you are making money when your margins are actually shrinking.

✓ INSTEAD

Use ``analyze_profitability_efficiency`` to see how your revenue and COGS interact to judge your actual margin stability.

The Right Fit

Connect this MCP if you manage product margins or business costs and want to stop using calculators. If you only care about top-line revenue without tracking costs, you don't need this. The deciding factor is whether you need to verify if your actual profit meets specific percentage targets.

Gross Profit Calculator 4 Tools

These tools handle the heavy lifting for margin math and profitability checks. Your agent uses them to turn raw revenue and cost data into clear financial insights.

#	TOOL	DESCRIPTION
01	analyze_profitability_efficiency	This tool compares your revenue and COGS to give your agent a qualitative look at your margin health.
02	calculate_gross_margin	Use this to find the exact percentage of your revenue that stays as profit.
03	calculate_gross_profit	This tool calculates the actual currency value of the profit left over after you subtract COGS.
04	validate_margin_thresholds	Your agent uses this to check if your current gross margin is meeting or exceeding your specific target percentage.

See It in Action

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

U What is the gross profit for a revenue of 1000 and COGS of 600?



The gross profit is 400.

U Calculate the gross margin for 5000 revenue and 2000 COGS.



The gross margin is 60%.

U Is a 30% margin met if revenue is 100 and COGS is 60?



Yes, the actual margin is 40%, which exceeds the 30% target.

Frequently Asked Questions

01 What can this MCP calculate?

It calculates absolute gross profit, gross margin percentages, and evaluates profitability efficiency.

02 How do I check if I hit my profit goals?

You can ask your agent to use the `validate_margin_thresholds` tool to see if your current margin meets your target.

03 Which AI clients can use this MCP?

You can use this with any MCP-compatible client, including Claude, Cursor, Windsurf, and VS Code.

04 Do I need to provide my own formulas?

No, the tools handle the math for you once you provide the revenue and COGS values.

05 Is this for complex accounting?

It is designed for core profitability math like calculating margins and comparing revenue to COGS.

06 What can I calculate with this tool?

You can calculate absolute gross profit, gross margin percentages, efficiency ratings, and validate if your margins meet specific targets.

07 How do I use the margin validation tool?

Use `validate\_margin\_thresholds` by providing your revenue, COGS, and the target margin percentage (e.g., 0.25 for 25%).

08 Is this compatible with Claude Desktop?

Yes, this MCP server is compatible with Claude Desktop, Cursor, VS Code, Windsurf, and any other MCP-compatible client via Vinkius Edge.

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>"gross-profit-calculator": { "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

Gross Profit Calculator 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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