

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

Net Profit Calculator MCP

Get precise bottom line figures from your AI agent.

Net Profit Calculator MCP gives your AI client the math tools needed to handle business financials. It handles everything from calculating final net profit to analyzing how specific expense categories eat into your gross profit. You can use it to check operating margins or validate if your current performance hits your target profitability goals.

A+ Quality Score 100/100

profit

margin

expenses

tax

accounting



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.

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.

Net Profit Calculator MCP

4 tools available

Cloud-hosted on Vinkius

You can stop manually running profit formulas in spreadsheets. This MCP gives your AI agent the ability to perform exact financial calculations on demand. When you provide your agent with gross profit and expense data, it uses these tools to determine your actual bottom line.

It goes beyond simple subtraction. You can use it to see how much your operating efficiency actually matters by calculating margins, or you can dig into specific cost categories to see exactly where your money is going. If you have specific financial targets, your agent can run checks to see if your current numbers stay within those healthy bounds. It turns your AI client into a functional financial analyst that handles the heavy lifting of margin and profit math.

Core Capabilities

01 — Net Profit Calculation

Your agent calculates the final profit after all costs and taxes.

02 — Margin Analysis

The AI determines your operating efficiency based on gross profit and expenses.

03 — Expense Breakdown

Your agent identifies how specific expense categories impact your gross profit.

04 — Profitability Validation

The AI checks if your financial results meet your predefined margin goals.

One Click on Vinkius — From Prompt to Execution

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

- 01 Connect the MCP to your preferred client like Claude or Cursor via Vinkius.
- 02 Provide your agent with your financial data like gross profit and expenses.
- 03 The agent selects the correct tool to perform the specific calculation.
- 04 You receive the calculated profit, margin, or expense breakdown instantly.

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

Built For

This MCP is built for anyone managing business finances who wants to use AI for rapid numerical analysis.

Small Business Owners

Hand off raw expense and revenue data to your agent to get instant profit reports.

Financial Analysts

Use the agent to quickly run margin checks and expense impact summaries.

Accountants

Let your AI client perform repetitive profitability validations against set targets.

What Changes When You Connect

- 01 Eliminates manual math errors by using dedicated calculation tools.
- 02 Provides instant breakdowns of how expenses affect gross profit.

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- | | |
|-----------|---|
| 03 | Allows for quick validation of financial health against specific targets. |
|-----------|---|
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- | | |
|-----------|---|
| 04 | Turns any MCP-compatible client into a functional financial tool. |
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Real-World Applications

Monthly Profit Reviews

Feed your monthly revenue and expense totals to your agent to find your net profit.

Cost Control Analysis

Use the expense impact tool to see which costs are hitting your margins hardest.

Goal Tracking

Have your agent check if your current operating margins meet your business requirements.

Operational Efficiency Checks

Calculate operating margins to see how well your core business is performing.

Patterns to Avoid

Manual Spreadsheet Math

❌ AVOID

You type a long string of subtraction formulas into your chat window and hope the AI doesn't make a rounding error.

✓ INSTEAD

Let the agent handle the math directly. Use ``get_net_profit`` to ensure the final bottom line is calculated accurately every time.

Vague Margin Requests

❌ AVOID

Asking your agent if the business is doing well without providing specific expense or revenue figures.

✓ INSTEAD

Provide your gross profit and expense totals first. Then use ``calculate_operating_margin`` to get a real look at your core business efficiency.

Ignoring Cost Drivers

❌ AVOID

Looking only at the final net profit while ignoring why your margins are shrinking month over month.

✓ INSTEAD

Run a detailed breakdown to see which costs are the problem. Use ``summarize_expense_impact`` to pinpoint exactly which categories are eating your gross profit.

The Right Fit

Connect this MCP if you manage business finances and need to run frequent, accurate margin checks. Do not connect it if you only need to track simple, single-line revenue. The decision comes down to whether you need to analyze how specific expense categories impact your bottom line.

4 Precision Financial Tools for Net Profit Analysis

These tools handle the heavy lifting of margin math and expense tracking. Your agent uses them to turn raw revenue and cost data into actionable profit reports.

#	TOOL	DESCRIPTION
01	calculate_operating_margin	This tool determines how efficiently your core business operations are running.
02	get_net_profit	Use this to find the final net profit after all taxes and expenses are subtracted.
03	summarize_expense_impact	This tool breaks down how different expense categories reduce your gross profit.
04	validate_profitability	This tool checks if your business performance meets your specific margin targets.

See It in Action

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

- U** Calculate the net profit for a gross profit of 10000, operating expenses of 3000, non-operating expenses of 500, and a tax rate of 0.2.



The net profit is 5200.00 with a net profit margin of 52%.

- U** What is the operating margin if gross profit is 5000 and operating expenses are 2000?



The operating profit is 3000.00 and the operating margin is 60%.

- U** Show me the expense impact for a gross profit of 5000, operating expenses of 1000, and non-operating expenses of 500.



Total expenses are 1500.00. The operating expense ratio is 20% and the non-operating expense ratio is 10%.

Frequently Asked Questions

01 What can this MCP calculate?

It calculates net profit, operating margins, and the impact of various expenses on your gross profit.

02 Which AI clients can I use with this MCP?

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

03 How does it handle taxes?

The `get_net_profit` tool allows you to include a tax rate to find the final profit after taxes.

04 Can I check if my business is meeting its goals?

Yes, the `validate_profitability` tool checks if your performance stays within your target margins.

05 Do I need to host this myself?

No, Vinkius hosts and manages the MCP for you, so it is ready to use immediately after connection.

06 How do I calculate my final net profit?

You can use the `'get_net_profit'` tool by providing your gross profit, operating expenses, non-operating expenses, and the applicable tax rate.

07 Can I check if my business is meeting its profit goals?

Yes, the `'validate_profitability'` tool checks if your net profit is positive and if your margin exceeds your defined threshold.

08 What is the difference between operating and non-operating expenses?

Operating expenses are costs for core business activities, while non-operating expenses are costs not directly related to primary operations, like interest or taxes.

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>"net-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

Net 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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DOCUMENT INFORMATION

Generated	September 2026
MCP Server	Net Profit Calculator MCP
Server ID	01a0cfed-e154-735a-b036-7823ee92dc33
Platform	Vinkius Cloud for AI Agents
Endpoint	<code>https://edge.vinkius.com/{token}/mcp</code>

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