

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

Invoice Total Calculator MCP.

Get precise financial breakdowns without manual math errors.

Invoice Total Calculator MCP handles the heavy lifting for invoice math. Your AI client uses it to compute individual line items, aggregate subtotals, and apply taxes or discounts. It manages the math between quantities, unit prices, and global adjustments so your agent always delivers an accurate final total.

A+ Quality Score 100/100

invoice

tax

calculation

accounting

finance



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.

Invoice Total Calculator MCP

4 tools available

Cloud-hosted on Vinkius

Stop letting your AI client guess at math. When you're generating invoices or auditing financial documents, a small rounding error or a missed tax rate ruins the whole output. This MCP gives your agent the specific tools it needs to handle invoice arithmetic with total precision.

You can hand off specific tasks like calculating a single line item or summing up an entire list of products. If you need to apply a flat discount or a specific tax rate to a subtotal, the MCP handles those global adjustments. It's built to manage the relationship between quantity, unit price, and fiscal modifiers. Instead of relying on the LLM's internal logic, you're giving it a dedicated calculator that produces reliable, audit-ready financial summaries.

Core Capabilities

01 — Line Item Math

Your agent calculates the cost of individual products based on quantity and price.

02 — Subtotal Aggregation

The AI sums up multiple line items to find the pre-tax total.

03 — Tax and Discount Application

Your agent applies global percentage adjustments to the subtotal.

04 — Financial Summarization

The AI generates a full breakdown of all invoice math in one step.

One Click on Vinkius — From Prompt to Execution

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

- 01 Connect your client to Vinkius.
- 02 Select the Invoice Total Calculator MCP from the catalog.
- 03 Your agent gains access to the calculation tools.
- 04 Ask your agent to perform specific invoice math tasks.

Connecting this MCP to your AI client is a one-time setup that enables instant financial math.

Built For

This MCP is for anyone using AI to automate financial documentation or bookkeeping tasks.

Accountants

Hand off invoice auditing and subtotal verification to your agent.

Freelancers

Let your AI client generate accurate client invoices with correct tax math.

E-commerce Operators

Use the agent to calculate order totals and apply promotional discounts.

What Changes When You Connect

- 01 Eliminates math errors caused by LLM logic limitations.
- 02 Provides a structured way to apply taxes and discounts.
- 03 Generates complete financial breakdowns instantly.

- 04
- Handles the math for individual items and whole invoices separately.

Real-World Applications

Invoice Generation

Your agent calculates the final amount due for a customer order including all taxes.

Audit Verification

The AI checks if the line items in a document correctly add up to the stated subtotal.

Discount Modeling

You ask your agent to calculate how much a 15% discount changes a specific invoice total.

Order Summaries

The agent creates a clear breakdown of costs for a complex multi-item purchase.

Patterns to Avoid

Relying on LLM arithmetic

❌ AVOID

You ask your agent to sum up a long list of prices and hope it doesn't make a rounding error.

✓ INSTEAD

Use ``calculate_invoice_subtotal`` to get a mathematically sound sum of all items before applying any taxes.

Manual tax calculation

❌ AVOID

You tell your agent to calculate a 7.5% tax rate by itself for a large order.

✓ INSTEAD

Use ``apply_global_adjustments`` to apply that specific tax rate to the subtotal accurately.

Ignoring line item details

❌ AVOID

You ask for a final total without checking if the quantity and unit price for a single item are correct.

✓ INSTEAD

Run ``calculate_line_item`` first to ensure the math for that specific row is perfect.

The Right Fit

Connect this MCP if your workflow involves generating or auditing financial documents where math errors are unacceptable. Do not connect it if you only use AI for creative writing or general chat. The decision depends on whether you need audit-ready financial totals.

Invoice Total Calculator: 4 Precision Math Tools

These tools handle every step of the invoice math process, from individual line items to final tax adjustments.

#	TOOL	DESCRIPTION
01	apply_global_adjustments	This tool applies a single discount or tax rate to an existing subtotal. It's used when you need to modify a total after items are summed.
02	calculate_line_item	This tool computes the total for one specific item in an invoice. It handles the multiplication of quantity and unit price for a single row.
03	calculate_invoice_subtotal	This tool calculates the sum of all items before any taxes or global discounts are applied. Use it to get the raw total of an order.
04	get_invoice_summary	This tool generates a complete financial breakdown of an entire invoice. It provides the full picture of all calculations in one go.

See It in Action

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

U Calculate the total for 5 units of a product costing \$10.00 each with a 5% tax.



The total for 5 units at \$10.00 each with a 5% tax is \$52.50.

U What is the subtotal for an invoice with two items: 2 items at \$50.00 and 3 items at \$20.00?



The subtotal for the invoice is \$160.00.

U Apply a 10% discount and a 5% tax to a subtotal of \$200.00.



After a 10% discount and a 5% tax, the grand total is \$189.00.

Frequently Asked Questions

01 How do I use this MCP with Claude?

You connect your Claude client to Vinkius, and the tools become available for your agent to call during your chats.

02 Does this MCP handle tax calculations?

Yes, it includes tools to apply global tax rates to your subtotals.

03 Can it handle discounts?

Yes, you can use the global adjustments tool to apply discounts to an existing subtotal.

04 Do I need to host this myself?

No, Vinkius hosts and manages the MCP for you. You just connect and use it.

05 What happens if I have multiple items?

The MCP can calculate individual line items and then sum them into a subtotal using specific tools.

06 How do I calculate a single item's total?

You can use the ``calculate_line_item`` tool by providing the quantity and unit price, along with any specific tax or discount amounts.

07 Can I apply a tax to the entire invoice?

Yes, use ``apply_global_adjustments`` to add a tax percentage to an existing subtotal.

08 What is the best tool for a full invoice breakdown?

The ``get_invoice_summary`` tool is designed to provide a complete breakdown, including line items, subtotal, discounts, taxes, and the grand total.

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>"invoice-total-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

Invoice Total 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

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

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