

MCP SERVER

NO CODE

CLOUD HOSTED

SE Tax Calculator MCP

Know your true tax liability in seconds.

US Self-Employment Tax Calculator helps freelancers and small businesses figure out their exact federal tax burden. It calculates your total Self-Employment (SE) tax—breaking down both Social Security and Medicare components using 2024 limits (\$168,600). You also determine the precise amount you can deduct from your income and get a full summary of the financial impact on your bottom line.

A+ Quality Score 100/100

tax

self-employment

usa

social-security

medicare



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.

US Self-Employment Tax Calculator MCP

3 tools available

Cloud-hosted on Vinkius

Running a side gig or small business means dealing with complex tax rules. This MCP gives you specialized tools to handle US Self-Employment (SE) tax calculations without needing an accountant for every minor check. You input your net earnings, and the system automatically handles the complicated breakdown of Social Security and Medicare components. It doesn't just give you one number; it tells you exactly how much you owe in each category, applying current wage base limits. Plus, it calculates your tax deduction amount so you know what to plan for when filing taxes. If you're used to juggling multiple spreadsheets just to track deductions and liabilities, this MCP changes that. You connect through Vinkius, and your AI client handles the math instantly, giving you a clear picture of your financial impact.

Core Capabilities

01 – Determine total SE tax liability

It breaks down your overall self-employment tax obligation into specific Social Security and Medicare components.

02 – Calculate allowable deductions

You find the precise amount of Self-Employment tax you can deduct from other forms of income.

03 – Summarize financial impact

The tool provides a complete overview, showing how these taxes affect your total annual earnings and deductions.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/us-self-employment-tax-calculator — connect your AI agent in three steps.

- 01 You provide the MCP with your net profit or gross earnings for the tax period.
- 02 The system processes this data against current IRS rules, applying specific Social Security caps and Medicare rates.
- 03 Your agent delivers a comprehensive breakdown of your total SE tax, your deduction amount, and the overall financial impact.

The bottom line is: you get accurate, itemized tax numbers instantly, instead of spending hours cross-referencing IRS guidelines.

Built For

This MCP is for any independent contractor or small business owner who dreads tax season. If your current process involves manually checking Social Security wage bases and Medicare rates, this tool saves you time and money.

Freelancer / Independent Contractor

You use the MCP to calculate your estimated quarterly payments after completing a major project or earning a large chunk of cash.

Small Business Owner (Sole Proprietor)

You run end-of-year tax planning using this tool to accurately forecast your total SE liability and deductions before filing.

Bookkeeper / Virtual Accountant

You use the MCP to validate a client's self-employment tax numbers quickly, ensuring all components (SS, Medicare) are correctly accounted for.

What Changes When You Connect

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- 01 Stop guessing about deductions. Use `calculate_deductible_amount` to get the exact figure you need for your income statements, ensuring you don't under-report or overpay.

 - 02 Get a complete breakdown of your Social Security and Medicare taxes using `calculate_se_tax`. You instantly see how caps affect your payments when earning high profits.

 - 03 Avoid tax surprises. The `get_tax_impact_summary` tool shows you the full financial picture, letting you budget accurately for quarterly payments months in advance.

 - 04 Save time on manual calculations. Instead of referencing multiple IRS pages and spreadsheets, let your agent handle all the complex 2024 rate applications instantly.

 - 05 Plan better. By knowing your precise tax impact early, you can adjust pricing or earnings goals to meet your financial targets without stress.
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Real-World Applications

Project Completion Tax Estimate

A freelancer just landed a huge contract netting \$150,000. They ask their agent what this means for taxes. The agent uses ``calculate_se_tax`` to immediately tell them the total tax owed and how much is split between Social Security and Medicare.

Tax Deduction Verification

A bookkeeper is reviewing client financials. They use ``calculate_deductible_amount`` to verify the correct deduction amount, confirming the client isn't over- or under-claiming their tax write-offs.

Year-End Filing Prep

A small business owner needs to file estimated payments for Q4. They run their numbers through ``get_tax_impact_summary`` using Vinkius, getting a clear overview of the total tax hit and what they need to set aside.

Profit Margin Check

A consultant wants to know if raising their rate from \$75k to \$120k is financially worth it. They use ``get_tax_impact_summary`` with both numbers to compare the net profit after tax.

Patterns to Avoid

Using outdated IRS rates

X AVOID

Relying on old calculators that don't account for the 2024 Social Security wage base limit or current Medicare rate changes.

✓ INSTEAD

Always use this MCP. Specifically, run your figures through ``calculate_se_tax`` to guarantee the math reflects the absolute latest federal tax rules.

Forgetting deductions entirely

X AVOID

Calculating only gross SE tax without remembering that a portion of that total is deductible against other income sources.

✓ INSTEAD

You must use ``calculate_deductible_amount`` to correctly factor in your deduction, ensuring your final net taxable income is accurate.

Calculating only one tax type

X AVOID

Only figuring out the Social Security component and ignoring Medicare entirely for a partial estimate.

✓ INSTEAD

To get a full picture of your financial health, use ``get_tax_impact_summary`` to see all components (SS and Medicare) factored together.

The Right Fit

Use this MCP if you are a self-employed individual or small business owner who needs precise, multi-component tax calculations for US Self-Employment tax. You need clarity on the Social Security cap,

the Medicare breakdown, and your allowable deductions—that's what `calculate_se_tax` handles. Don't use it if you need to calculate taxes for employees (W-2) or corporate payroll; this tool is purely focused on self-employment income. Also, don't assume that a simple tax calculator is enough; always run your numbers through `get_tax_impact_summary` after checking the deduction with `calculate_deductible_amount` to get the full story.

The Headache of Tax Spreadsheets

Right now, figuring out your tax liability means opening up a dozen tabs. You've got one sheet for gross income, another for deducting business expenses, and then you have to find the correct IRS table online just to figure out how Social Security caps affect your payment. Then you tackle Medicare, cross-referencing rates, and finally, you try to calculate that tricky deduction amount—it's a mess of copy-pasting and assumptions.

With this MCP, you skip all that manual labor. You simply feed your net income into the tool, and it instantly processes every complex rule: the SS cap, Medicare percentages, and the proper deductions. What you get back is not just an estimate; it's a clear, actionable breakdown of your total tax obligation.

Getting Your SE Tax Breakdown with `calculate_se_tax`

The biggest time sinks are manually separating the Social Security portion from Medicare. You have to ensure you're using the correct, year-specific rates and knowing when your income hits the wage base limit—it's tedious work that invites mistakes.

Now, with `calculate_se_tax`, that entire process is automated. It gives you the specific dollar amounts for both components immediately. You stop guessing what's owed and start planning how to pay it.

US Self-Employment Tax Calculator: 3 Tools

These tools let you calculate your total self-employment tax, find your allowable deductions, and summarize the overall financial impact on your earnings.

#	TOOL	DESCRIPTION
01	<code>calculate_deductible_amount</code>	This tool figures out the specific amount of your Self-Employment tax that you can subtract from your income.
02	<code>calculate_se_tax</code>	It calculates your total self-employment tax, providing a detailed breakdown between Social Security and Medicare based on 2024 limits.
03	<code>get_tax_impact_summary</code>	This tool gives you a complete summary of how the self-employment taxes affect your overall financial standing.

See It in Action

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

U How much is my self-employment tax if my net profit is \$50,000?



For a net profit of \$50,000, your total Self-Employment tax is \$7,650. This consists of \$6,200 for Social Security and \$1,450 for Medicare.

U Calculate the tax impact for a net profit of \$200,000.



With a net profit of \$200,000, your total SE tax liability is \$29,144. This includes the capped Social Security component and the full Medicare component on all earnings.

U What is my deductible amount if my SE tax is \$10,000?



Your deductible amount is \$5,000.

Frequently Asked Questions

01 How does the US Self-Employment Tax Calculator handle Social Security wage caps?

It applies the current year's Social Security wage base limit, ensuring your calculation doesn't exceed the capped amount. This is critical for accurate tax planning.

02 What is the difference between `calculate_se_tax` and `get_tax_impact_summary`?

`calculate_se_tax` gives you the raw breakdown of SS/Medicare totals, while get_tax_impact_summary` takes those numbers and shows their effect on your overall net income.`

03 Can I use calculate_deductible_amount for non-SE tax deductions?

No. This tool is specifically designed to figure out the deduction amount that relates only to your calculated Self-Employment taxes, not other business expenses.

04 Does this MCP use current year rates or old historical ones?

It uses up-to-date federal guidelines. The calculation is built using 2024 limits and percentages, so the data you get is current.

05 What input does calculate_se_tax need to run?







It requires your net profit or net earnings before taxes for the period you are calculating. The higher the accuracy of your input, the better the result will be.

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>"us-self-employment-tax-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

US Self-Employment Tax 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](https://cloud.vinkius.com) →

vinkius.com · support@vinkius.com

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