

MCP SERVER

NO CODE

CLOUD HOSTED

Avalara AvaTax MCP for AI Agents

Automated Global Sales Tax Calculation and Address Validation

Avalara AvaTax brings automated sales tax data directly into your workflow via AI agents. Your agent can handle complex, global compliance tasks—like calculating taxes for any sale or validating a physical address—without you ever logging into a financial portal.

A+ Quality Score 100/100

tax-compliance

sales-tax

transaction-auditing

address-validation

financial-automation



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.

Avalara AvaTax MCP

4 tools available

Cloud-hosted on Vinkius

Managing sales tax and keeping up with international compliance used to mean jumping between multiple portals, cross-referencing addresses, and manually running audits. Now, your agent handles it all. By connecting Avalara via Vinkius, you give your AI client the ability to act as a real-time financial consultant, talking through complex calculations naturally.

Instead of filling out forms or searching documentation, you just ask your agent to audit a transaction or check a tax code for a specific product line. It instantly creates precise tax transactions and validates addresses against global metadata. Whether you're running local sales reports or managing multi-jurisdictional e-commerce, the data always comes back verified and legally accurate. This MCP makes complex financial compliance feel like just another conversation.

Core Capabilities

01 — Calculate Tax for Global Sales

Create a full tax transaction record using line items, addresses, and customer codes to determine the correct sales tax amount.

02 — Validate Physical Addresses

Confirm if an address is legitimate and fully resolve it for use in accurate tax calculations.

03 — Query Tax Codes

Retrieve a comprehensive list of all supported tax codes from the Avalara catalog to identify relevant product markers.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/avalara-avatax-1 — connect your AI agent in three steps.

- 01 Subscribe to this MCP and enter your specific Avalara Account ID and License Key.
- 02 Connect your preferred AI client (Claude, Cursor, etc.) through Vinkius's catalog.
- 03 Ask your agent to perform a tax task—for example, 'Calculate the sales tax for 123 Main St.' The MCP executes the necessary API calls and returns the verified data.

The bottom line is that you talk to your AI client naturally, and it handles the complicated financial queries using the Avalara system in the background.

Built For

This MCP is built for anyone whose job involves money, compliance, or physical location data. It's perfect for accountants tired of manual portal logins and e-commerce operations needing rapid, accurate tax validation at scale.

Tax Professional

Uses the MCP to audit historical transaction records and verify compliance details straight into their workflow.

E-commerce Operations Lead

Needs to quickly validate tax calculations across multiple states or countries for new product listings.

Finance Manager

Performs rapid, deep-dive audits of available tax codes and fiscal data without leaving their primary dashboard.

What Changes When You Connect

- 01 Calculate sales tax instantly: You can use `create_tax_transaction` to calculate accurate taxes for any global sale, saving you from manual spreadsheet work.

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- 02** Ensure data accuracy: The ability to run an address validation check using `resolve_tax_address` means your tax calculations are always grounded in correct geographic metadata.
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- 03** Audit compliance easily: Run a full audit of available codes with `list_tax_codes` and quickly identify the necessary markers for new products or services.
-
- 04** Maintain operational uptime: The `check_api_status` tool lets you confirm the service is live, so your financial auditing workflow never stalls due to technical issues.
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Real-World Applications

Auditing a New Market Entry

A finance lead needs to know what tax codes apply to their new product line in Texas. They ask the agent, and it uses `list_tax_codes` to pull thousands of relevant markers, allowing them to identify exactly which code they need before shipping anything.

Verifying Client Billing Addresses

An accountant receives a client invoice and needs to know if the billing location is accurate for tax purposes. The agent runs `resolve_tax_address`, validating the address immediately and flagging any discrepancies before payment is processed.

Handling a Complex International Sale

An e-commerce manager has an order from Brazil. Instead of looking up rules manually, the agent uses `create_tax_transaction` with the address and item details to instantly calculate the correct tax liability for that specific jurisdiction.

Checking Service Reliability

An operations team member starts a large batch of audits. Before trusting the results, they ask the agent to run `check_api_status` first, confirming that the entire tax research workflow is active across both sandbox and production environments.

Patterns to Avoid

Trying to validate non-tax data

X AVOID

Using the agent's tax tools just because you want it to check a product description or inventory count. The MCP is strictly for financial and geographic metadata.

✓ INSTEAD

Stick to compliance tasks. If you need general product info, use a dedicated inventory system connector. For taxes, always run ``create_tax_transaction`` with the necessary inputs.

Ignoring address validation

X AVOID

Calculating tax based on an address that was typed incorrectly or is outdated. This guarantees inaccurate financial reporting and potential compliance fines.

✓ INSTEAD

Always run ``resolve_tax_address`` first, before calculating anything. The MCP forces you to ground your calculations in verified geographic data.

Assuming tax codes are universal

X AVOID

Using a standard internal code for multiple product types without checking local regulations, leading to under-taxation or over-collection.

✓ INSTEAD

Never assume. Use ``list_tax_codes`` to see the full catalog and ensure you select the most precise tax marker for your specific goods.

The Right Fit

Use this MCP if your primary pain point is calculating, auditing, or validating sales tax across different jurisdictions. If you need to confirm a transaction's legal tax status based on its address and contents, this is the tool. Don't use it if your core problem is simply data storage—for that, you need a general database connector. Also, don't rely solely on `create_tax_transaction` without first running `resolve_tax_address`; accurate addresses are mandatory for tax law compliance. If you just need to check API connectivity, run the status check; it's fast and confirms readiness.

Avalara AvaTax MCP: Automated Global Sales Tax Compliance

Today, calculating sales tax for a single cross-border sale is tedious. You have to manually look up the state rules, then verify if the customer's address falls within that state's jurisdiction, and finally find the correct product code before you can even start the calculation. It involves clicking between your CRM, a postal service site, and a tax portal just to get one number.

With this MCP, all of that disappears into a single conversation with your agent. You simply ask it to process the sale details. The agent takes care of resolving the address first, identifying the necessary tax codes, and then running the final calculation. You get back one clean, verified sales tax amount—no manual cross-referencing required.

Avalara AvaTax MCP: Streamlining Financial Auditing with Tax Codes

Financial audits traditionally require a massive manual search. You or your team must sift through thousands of potential tax codes to ensure that every product—whether it's software, clothing, or food—is marked with the exact style and category code needed for compliance.

Now, you can ask your agent to list all available codes in the Avalara catalog using `list_tax_codes`. It pulls the entire directory instantly. This allows a finance lead to quickly pinpoint relevant fiscal markers and confirm that every single product line has the right classification code before submitting a quarterly report.

Avalara AvaTax: 4 Tools for Financial Auditing & Tax Codes

Use these tools to check API status, create complex sales tax transactions, resolve physical addresses, or list all available tax codes.

#	TOOL	DESCRIPTION
01	<code>check_api_status</code>	Confirms whether the Avalara AvaTax service is currently operational in your chosen environment.
02	<code>create_tax_transaction</code>	Generates a new tax transaction record to calculate sales tax based on provided line items, addresses, and customer codes.
03	<code>list_tax_codes</code>	Retrieves the complete catalog of all available tax classification codes supported by Avalara.
04	<code>resolve_tax_address</code>	Validates and resolves a physical address, ensuring it contains precise geographic metadata needed for accurate tax calculation.

See It in Action

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

U What tax is due on this order? Items: 2 laptops, address: 45 Oak Ln, Miami FL.



Tax Calculation Summary

Origin Address: 45 Oak Lane, Miami, FL 33101

- **Items:** (Laptops) - \$2,000.00
- **Calculated Tax Rate:** 7.0%
- **Tax Due:** \$140.00

Please note: The address was successfully validated for Miami-Dade County jurisdiction.

U Can you list the tax codes for software and printed materials?



Retrieving Avalara Tax Code Catalog...

I found several relevant categories:

- **Software & Digital Goods:** 9001 (Digital Software License), 9002 (Subscription Service)
- **Print Media:** 8503 (Printed Book), 8504 (Marketing Brochure)

You can use these codes to ensure your product classification is precise.

U Check the status of the tax service before I run my audits.



Avalara AvaTax Service Status

- ✓ **Status:** Active
- ✓ **Environment:** Production
- ✓ **Last Check:** 2026-06-12 T10:30 AM PST

The Avalara service is fully operational and ready for your financial auditing tasks.

Frequently Asked Questions

01 How does the Avalara AvaTax MCP help with international tax calculations?

It calculates taxes automatically by handling global rulesets. You simply provide the address and items, and your agent runs `create_tax_transaction` to give you a precise tax amount for any country or state.

02 Can I use this MCP if I change my business location?

Absolutely. The tool validates addresses using real-world geographic data, ensuring that even if your address changes, the resulting tax calculations remain legally compliant and accurate.

03 I need to find a specific product code; can Avalara AvaTax MCP help?

Yes. You can use the MCP to pull the full catalog of available codes using `list_tax_codes`, which helps you pinpoint the exact tax marker needed for your products or services.

04 Does Avalara AvaTax MCP just connect to a database, or is it smarter?

It does much more than query a database. It acts like an expert financial consultant, taking input data and running complex tax logic against real-time global compliance rules.

05 What if my address isn't working? Can the MCP fix it?







The MCP doesn't 'fix' it, but it validates it. It uses `resolve_tax_address` to confirm if an address is physically valid and structured correctly for tax purposes before you proceed with any audit.

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>"avalara-avatax-1": { "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

Avalara AvaTax 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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