

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

Coffee Caffeine Tracker MCP

Keep your caffeine intake within safe daily limits.

Coffee Caffeine Tracker MCP lets your AI client manage your caffeine consumption. It calculates the milligrams in specific drinks, tracks your total intake for the day, and alerts you when you are getting close to your personal safety limits. You can also check which coffee types are supported to get accurate readings.

A+ Quality Score 100/100

caffeine

coffee

health-tracking

nutrition

wellness



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.

Coffee Caffeine Tracker MCP

4 tools available

Cloud-hosted on Vinkius

Managing caffeine intake shouldn't require a manual spreadsheet or a separate health app. This MCP gives your AI client the ability to act as a personal nutrition monitor for your coffee habits. Instead of guessing how much caffeine is in that large americano or wondering if you can afford one more espresso, you just ask your agent. It handles the math and keeps a running tally of everything you've consumed. You can set your own daily limits and have your AI check your status before you reach for another cup. It's a simple way to prevent jitters or sleep disruption by keeping your consumption data right in your chat interface.

Core Capabilities

01 — Drink Analysis

Your agent calculates caffeine content for specific coffee servings.

02 — Intake Tracking

The MCP maintains a running total of your daily caffeine consumption.

03 — Limit Monitoring

Your AI checks your current status against your daily safety threshold.

04 — Method Support

The tool identifies caffeine levels across various supported coffee types.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/coffee-caffeine-tracker — connect your AI agent in three steps.

- 01 Connect the MCP to your client via Vinkius.
- 02 Ask your agent to calculate caffeine for a specific drink.
- 03 Request a total of your cumulative intake.
- 04 Check your daily limit status to stay within safe bounds.

Connecting this MCP to your AI client gives it immediate access to your caffeine data.

Built For

This MCP is built for anyone who needs to manage caffeine sensitivity or daily intake through an AI interface.

Health Conscious Professionals

Users who want to track nutrition without leaving their primary AI workspace.

Caffeine Sensitive Individuals

People who need strict monitoring to avoid jitters or sleep issues.

Data Driven Users

Users who prefer having their consumption metrics available in their chat history.

What Changes When You Connect

- 01 Eliminates manual caffeine math.
- 02 Prevents accidental overconsumption.
- 03 Centralizes health data within your AI client.

Real-World Applications

Pre-drink Check

Ask your agent how much caffeine is in a specific drink before you order it.

Daily Limit Alerts

Check your status mid-afternoon to see if you should skip your next cup.

Consumption Logging

Keep a continuous record of every coffee you drink throughout the day.

Brewing Research

Check which coffee types are supported to ensure accurate calculations.

Patterns to Avoid

Guessing caffeine content

❌ AVOID

You tell your agent you had a large coffee and assume you're fine for the day.

✓ INSTEAD

Use `calculate_serving_caffeine` to get an actual number based on the specific drink and size.

Ignoring your daily limit

❌ AVOID

You keep drinking espresso throughout the afternoon without checking if you've hit your threshold.

✓ INSTEAD

Check your status before your next cup by running `check_daily_limit_status`.

Manual math errors

❌ AVOID

You try to add up every ounce of caffeine you've had today using a calculator.

✓ INSTEAD

Let the MCP handle the math by calling `get_cumulative_intake` to see your total.

The Right Fit

Connect this MCP if you need to manage caffeine sensitivity or want to track intake within your AI chat. Don't connect it if you don't care about your daily caffeine totals or if you prefer using a dedicated health app for all nutrition tracking.

Coffee Caffeine Tracker: 4 Essential Tools

These tools let your agent calculate caffeine content, track your daily totals, and monitor your consumption against personal limits.

#	TOOL	DESCRIPTION
01	calculate_serving_caffeine	This tool calculates the exact caffeine content in a single coffee serving based on the drink type and size.
02	check_daily_limit_status	Use this to see if you are approaching or have already exceeded your set daily caffeine limit.
03	get_cumulative_intake	This tool retrieves the total amount of caffeine you have consumed so far today.
04	list_coffee_types	This tool provides a list of all supported coffee brewing methods and drink types.

See It in Action

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

U How much caffeine is in a 250ml americano?



A 250ml americano contains 135mg of caffeine.

U What is my total caffeine intake so far?



Your total caffeine intake is 320mg.

U Am I over my caffeine limit today?



No, you have consumed 200mg and your limit is 400mg. You have 200mg remaining.

Frequently Asked Questions

01 How do I use this caffeine tracker with Claude?

You connect the MCP through the Vinkius platform, and it becomes a tool available to your Claude client immediately.

02 Can I set my own daily caffeine limit?

Yes, you can use the `check_daily_limit_status` tool to monitor your progress against your specific limits.

03 Does this work with any coffee type?

The MCP supports various coffee types, which you can see by using the `list_coffee_types` tool.

04 Do I need to host this myself?

No, Vinkius hosts and manages the MCP for you, so it is ready to use once you connect.

05 What happens if I drink something other than coffee?

This specific MCP is designed for coffee servings and supported coffee types.

06 How do I know how much caffeine is in my espresso?

You can use the ``calculate_serving_caffeine`` tool by providing the coffee type as 'espresso' and the volume in milliliters.

07 Can I track my total caffeine for the day?

Yes, use ``get_cumulative_intake`` to see your total sum or ``check_daily_limit_status`` to see how much you have left before reaching your limit.

08 What coffee types are supported?

You can call ``list_coffee_types`` to get a full list of all supported coffee identifiers.

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>"coffee-caffeine-tracker": { "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

Coffee Caffeine Tracker 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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Server ID	01a0c8d4-21db-72b4-a538-3048780789c4
Platform	Vinkius Cloud for AI Agents
Endpoint	<code>https://edge.vinkius.com/{token}/mcp</code>

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