

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

Continuous Glucose Monitor Analyzer MCP

Turn raw CGM data into actionable metabolic insights.

Continuous Glucose Monitor Analyzer MCP gives your AI client the ability to process and interpret complex glucose readings. Instead of staring at raw data points, you can ask your agent to calculate your time in range, evaluate how specific meals spike your levels, or check how your sleep affects your overnight stability. It turns raw sensor logs into a clear picture of your metabolic health.

A+ Quality Score 100/100

glucose

cgm

metabolic

health-tracking

diabetes-care



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.

Continuous Glucose Monitor Analyzer MCP

5 tools available

Cloud-hosted on Vinkius

You can stop manually calculating glucose trends and let your AI agent do the heavy lifting. This MCP connects your preferred AI client directly to your Continuous Glucose Monitor data, allowing for deep metabolic analysis without the math. You can pinpoint exactly how a specific meal impacts your blood sugar or see how your body responds to a workout.

If you're looking to understand your metabolic health, you can use this MCP to monitor overnight stability or calculate a single health score based on your readings. It's built to handle the raw data from your CGM and turn it into specific metrics like glucose variability and time in range. Whether you're tracking how exercise affects your sensitivity or just trying to see why your glucose spikes at night, your agent can now parse those patterns for you.

Core Capabilities

01 — Meal Impact Analysis

Your agent calculates how specific foods cause glucose spikes or drops.

02 — Exercise Sensitivity Tracking

The AI measures how physical activity changes your glucose response.

03 — Sleep Stability Monitoring

Your agent checks for glucose fluctuations during overnight periods.

04 — Metabolic Scoring

The AI computes a health score based on your cumulative data.

05 — Trend Summarization

Your agent provides high level status updates from raw sensor logs.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/continuous-glucose-monitor-analyzer — connect your AI agent in three steps.

- 01 Connect your MCP-compatible client to Vinkius.
- 02 Provide your CGM data to your AI agent.
- 03 Ask your agent to run specific analysis tools.
- 04 Receive interpreted results and health metrics.

Get your data into your AI client and start asking questions immediately.

Built For

This MCP is for anyone managing metabolic health through continuous monitoring who wants faster, smarter data interpretation.

Health Enthusiasts

People using CGM data to optimize diet and exercise performance.

Diabetes Care Managers

Professionals who need to quickly summarize patient glucose trends.

Metabolic Researchers

Users analyzing the relationship between lifestyle factors and glucose variability.

What Changes When You Connect

- 01 Eliminates manual math for glucose variability and time in range.
- 02 Identifies specific meal triggers through postprandial analysis.
- 03 Connects lifestyle actions like sleep and exercise to glucose changes.

04 Provides a single metric for metabolic health assessment.

Real-World Applications

Dietary Adjustment

Identify which specific foods cause the largest glucose spikes.

Workout Optimization

See how different types of exercise impact your glucose sensitivity.

Sleep Quality Correlation

Determine if poor sleep leads to higher glucose instability the next day.

Health Progress Tracking

Monitor your metabolic health score over weeks or months.

Patterns to Avoid

Manual Trend Calculation

❌ AVOID

You try to manually calculate glucose variability or time in range by looking at raw sensor data spreadsheets. This takes forever and is prone to math errors.

✓ INSTEAD

Let your agent handle the math. Use `get_glucose_summary` to get a high level overview of your status without the manual work.

Vague Meal Tracking

❌ AVOID

You ask your agent if you are eating healthy based on general feelings rather than specific data.

✓ INSTEAD

Get specific answers by using `analyze_postprandial_impact` to see exactly how different meals affect your glucose levels.

Ignoring Sleep Patterns

❌ AVOID

You assume your morning glucose spikes are just random events without checking your overnight stability.

✓ INSTEAD

Use `assess_sleep_stability` to evaluate how your glucose behaves while you sleep and find the real cause of fluctuations.

The Right Fit

Connect this MCP if you have continuous glucose monitor data and want to automate metabolic analysis. Do not connect it if you only track blood sugar with finger sticks. The decision depends entirely on whether you have a stream of raw CGM sensor logs to process.

Continuous Glucose Monitor Analyzer Tools

These tools turn raw sensor logs into actionable metabolic insights. Your agent uses them to calculate health scores and track how lifestyle changes affect your blood sugar.

#	TOOL	DESCRIPTION
01	get_glucose_summary	This tool provides a high level overview of your glucose status over a specific timeframe.
02	assess_sleep_stability	This tool monitors and evaluates your glucose stability while you sleep.
03	calculate_metabolic_health_score	This tool generates a single score to represent your overall metabolic health.
04	evaluate_exercise_response	This tool measures how your glucose levels respond to physical activity.
05	analyze_postprandial_impact	Use this to see exactly how different meals affect your glucose levels.

See It in Action

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

U What was my general glucose status for these readings: [{"timestamp": "2023-10-01T08:00:00Z", "value": 110}, {"timestamp": "2023-10-01T08:05:00Z", "value": 115}]?



Your average glucose was 112.5 mg/dL, with a variability index of 2.5 and 100% time in range.

U How much did my meal at 12:00 PM affect my glucose? Readings: [{"timestamp": "2023-10-01T11:55:00Z", "value": 95}, {"timestamp": "2023-10-01T12:00:00Z", "value": 100}, {"timestamp": "2023-10-01T12:30:00Z", "value": 140}]



The meal caused a spike magnitude of 40 mg/dL, reaching a peak at 12:30 PM with a recovery time of 45 minutes.

U Did my exercise at 5:00 PM help stabilize my glucose? Readings: [{"timestamp": "2023-10-01T16:55:00Z", "value": 120}, {"timestamp": "2023-10-01T17:05:00Z", "value": 110}]



Yes, the exercise resulted in a glucose drop magnitude of 10 mg/dL and improved your sensitivity score.

Frequently Asked Questions

01 What AI clients can I use with this MCP?

You can use this MCP with any compatible client like Claude, Cursor, Windsurf, or VS Code.

02 How does the metabolic health score work?

The tool calculates a score based on your glucose data to give you a single metric for your metabolic status.

03 Can I see how my food affects my sugar?

Yes, the `analyze_postprandial_impact` tool specifically looks at how meals impact your glucose levels.

04 Does this work with my CGM data?

Yes, this MCP is designed to process and analyze data from Continuous Glucose Monitors.

05 Can I track my sleep with this?

Yes, the `assess_sleep_stability` tool allows your agent to monitor glucose during your sleep periods.

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>"continuous-glucose-monitor-analyzer": { "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

Continuous Glucose Monitor Analyzer 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

INDEPENDENT PLATFORM DISCLAIMER

Vinkius is an independent platform and is not affiliated with, endorsed by, sponsored by, verified by, or otherwise authorized by Continuous Glucose Monitor Analyzer. All third-party trademarks, logos, and brand names are the property of their respective owners. Their use in this document is strictly for informational purposes to identify service compatibility and interoperability.

DOCUMENT INFORMATION

Generated	September 2026
MCP Server	Continuous Glucose Monitor Analyzer MCP
Server ID	01a0b6be-e9ab-738a-b191-2598854af007
Platform	Vinkius Cloud for AI Agents
Endpoint	<code>https://edge.vinkius.com/{token}/mcp</code>

LICENSE & USAGE

This document is generated automatically by the Vinkius PDF Engine. Content reflects the MCP server configuration at the time of generation and may change as updates are deployed. For the most current information, visit vinkius.com/en/ai-agent-connect/continuous-glucose-monitor-analyzer.