

MCP SERVER

NO CODE

CLOUD HOSTED

Habit Streak Analyzer MCP

Turn lists of completion dates into actionable habit data.

Habit Streak Analyzer MCP lets your AI client process raw date lists to find patterns in your consistency. It calculates active streaks, identifies your historical best, and provides performance summaries. Instead of manually counting days, you just hand your completion logs to your agent and get immediate answers about your progress.

A+ Quality Score 100/100

habit

streak

productivity

data-analysis

tracking



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.

Habit Streak Analyzer MCP

4 tools available

Cloud-hosted on Vinkius

You have a list of dates where you completed a task, but looking at a raw list of timestamps doesn't tell you how consistent you actually are. This MCP changes that by turning those dates into clear metrics. You can hand a messy list of completion dates to your AI client and ask it to find your current momentum or see how far you've come in the past. It handles the math of checking for gaps and calculating consecutive runs. Whether you are tracking fitness, coding sessions, or daily reading, your agent can now tell you exactly where you stand without you having to count days on a calendar. It's a simple way to add a layer of analytical intelligence to your personal habit tracking.

Core Capabilities

01 — Streak Calculation

Your agent calculates consecutive days from any provided list of dates.

02 — Historical Benchmarking

The AI finds your all-time best performance within a dataset.

03 — Continuity Verification

Your client checks if specific dates fit into an existing unbroken run.

04 — Performance Summaries

The MCP provides a breakdown of total completions and streak breaks.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/habit-streak-analyzer — connect your AI agent in three steps.

- 01 Connect the MCP to your preferred client like Claude or Cursor via Vinkius.
- 02 Provide a list of completion dates to your AI agent.
- 03 Ask the agent to calculate streaks or performance stats.
- 04 The agent uses the MCP tools to process the dates and return the results.

You connect the MCP to your client and then provide your data.

Built For

This is for anyone who tracks repetitive tasks and wants to analyze their consistency through an AI interface.

Self-improvement enthusiasts

They hand over habit logs to get instant feedback on their progress.

Data analysts

They use the tool to quickly process time-series completion data.

Productivity researchers

They use the metrics to study patterns in behavioral consistency.

What Changes When You Connect

- 01 Eliminates manual date counting and math errors.
- 02 Converts raw date lists into structured performance metrics.
- 03 Provides instant answers about habit momentum.

Real-World Applications

Fitness Tracking

Hand your gym attendance dates to your agent to see your current workout streak.

Learning Progress

Analyze how many days in a row you have practiced a new language or instrument.

Coding Consistency

Check your daily commit history to find your longest streaks of active development.

Daily Journaling

Verify if you have maintained a continuous streak of writing entries.

Patterns to Avoid

Manual streak counting

❌ AVOID

You try to count how many days in a row you worked out by staring at a spreadsheet of dates and counting on your fingers.

✓ INSTEAD

Give the list of dates to your agent and use ``get_current_streak`` to get the exact number instantly.

Vague progress questions

❌ AVOID

You ask your AI client, 'How am I doing with my habits?' without providing any actual date data.

✓ INSTEAD

Provide your completion timestamps first, then use ``get_streak_stats`` to get a full breakdown of your performance.

Ignoring historical peaks

❌ AVOID

You only focus on your current streak and forget that you actually had a much better run three months ago.

✓ INSTEAD

Use ``get_longest_streak`` to see your all-time best performance and set better benchmarks for yourself.

The Right Fit

Connect this MCP if you maintain logs of repetitive tasks like coding, fitness, or journaling. Do not connect it if you only track one-off

events. The decision depends on whether you have a list of dates that needs turning into momentum metrics.

4 Tools for Analyzing Habit Streaks and Consistency

These tools turn raw lists of completion dates into actionable momentum metrics. Your agent uses them to calculate streaks, find historical peaks, and verify continuity.

#	TOOL	DESCRIPTION
01	get_current_streak	This tool finds your active streak by looking for the most recent consecutive days of completion.
02	get_longest_streak	Use this to identify the highest number of consecutive days you have ever completed a habit in your history.
03	get_streak_stats	This tool generates a full performance summary including total days and break counts.
04	verify_streak_continuity	This tool checks if a specific date is part of an unbroken sequence of completions.

See It in Action

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

U What is my current streak for the dates 2023-10-01, 2023-10-02, and 2023-10-03?



Your current streak is 3 days.

U What was my longest streak given these dates: 2023-01-01, 2023-01-02, 2023-01-05, 2023-01-06, 2023-01-07?



Your longest streak was 3 days.

U Give me a full summary of my habit performance for 2023-11-01, 2023-11-02, 2023-11-04.



Current streak: 2, Longest streak: 2, Total days completed: 3, Streak break count: 1.

Frequently Asked Questions

01 How do I use this MCP with my AI?

You connect to the MCP through the Vinkius platform. Once connected, any MCP-compatible client like Claude or Cursor can use the tools directly.

02 What kind of data does this MCP need?

The MCP requires a list of completion dates to perform its calculations.

03 Can I find my all-time best streak?

Yes, you can use the `get_longest_streak` tool to find the maximum consecutive days in your history.

04 Does this work with any AI client?

It works with any client that supports the Model Context Protocol, such as Claude, Cursor, and Windsurf.

05 Can it tell me if I broke my streak?

Yes, the `get_streak_stats` tool provides a summary that includes the count of streak breaks.

06 What format should the dates be in?

All dates must be provided in ISO 8601 format (e.g., '2023-10-01').

07 How is a streak considered broken?

A streak is broken if there is a gap of one or more full calendar days between two completion dates.

08 Can I see my total number of completed days?

Yes, you can use `get_streak_stats` to retrieve the total number of unique days completed.

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>"habit-streak-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

Habit Streak 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

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DOCUMENT INFORMATION

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Endpoint	<code>https://edge.vinkius.com/{token}/mcp</code>

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