

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

Kayak Distance & Session Tracker MCP

Turn your paddling logs into clear performance data.

Kayak Distance & Session Tracker MCP lets your AI client handle the math for your paddling activities. It calculates total distance, finds your average speed, and checks your logs for errors. You can also get a full summary of any session without doing the manual calculations yourself.

A+ Quality Score 100/100

kayaking

paddling

distance

speed

fitness-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.

Kayak Distance & Session Tracker MCP

4 tools available

Cloud-hosted on Vinkius

You spend your time on the water, not staring at spreadsheets or manual logs. This MCP handles the heavy lifting for your paddling data. When you feed your trip segments into your AI client, it can instantly calculate exactly how far you went or how fast you moved. If you have a messy list of segments, the tool checks the data to make sure the numbers actually make sense physically. It's built to turn raw paddling logs into organized summaries, giving you a clear picture of your performance across different trips. Whether you're tracking a single sprint or a long day on the water, your agent can process the distance, speed, and session totals in seconds.

Core Capabilities

01 — Distance Calculation

Your agent sums up multiple segments to find your total mileage.

03 — Data Validation

It checks your logs to ensure the data is formatted correctly and physically possible.

02 — Speed Analysis

The tool calculates your average pace across various trip parts.

04 — Session Summaries

Your agent generates a single overview of your entire paddling activity.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/kayak-distance-session-tracker — connect your AI agent in three steps.

- 01 Connect your preferred MCP-compatible client to Vinkius.
- 02 Provide your paddling segments or logs to your AI agent.
- 03 Ask your agent to calculate distance, speed, or a summary.
- 04 The agent uses the MCP tools to process the numbers.
- 05 Receive the calculated results directly in your chat interface.

You connect the MCP to your AI client and start feeding it your paddling data.

Built For

This is for anyone who tracks paddling performance and wants to automate their data analysis.

Paddling Enthusiasts

People who want to quickly see how far they went without using a calculator.

Fitness Coaches

Professionals who need to verify the accuracy of athlete logs.

Data Analysts

Users who want to process raw trip segments into structured summaries.

What Changes When You Connect

- 01 Eliminates manual math for trip distances and speeds.
- 02 Catches errors in paddling logs through data validation.

03 Converts raw segment lists into clean session summaries.

Real-World Applications

Post-Trip Review

Paste your raw segment data into your AI client to get an instant summary of your day on the water.

Log Verification

Use the validation tool to make sure your recorded segments aren't corrupted or physically impossible.

Performance Tracking

Calculate average speeds across different trips to see how your pace changes over time.

Distance Aggregation

Combine multiple different segments into one total distance figure.

Patterns to Avoid

Manual Math Errors

❌ AVOID

You try to add up ten different paddling segments in your head or a basic calculator to find your total mileage.

✓ INSTEAD

Let your agent do the heavy lifting by using ``get_total_distance`` to sum every segment automatically.

Ignoring Bad Data

❌ AVOID

You assume your GPS log is perfect and immediately use the numbers to plan your next training session.

✓ INSTEAD

Run your logs through ``validate_segment_data`` first to ensure the numbers are physically possible and correctly formatted.

Fragmented Trip Logs

❌ AVOID

You keep a messy list of individual sprints and long hauls without knowing how they relate to your overall performance.

✓ INSTEAD

Use ``summarize_paddling_session`` to turn those scattered segments into a single, readable overview of your activity.

The Right Fit

Connect this MCP if you regularly log paddling segments and want to stop doing manual math. Don't connect it if you only paddle once a year or prefer manual spreadsheets. The decision depends on whether you want your AI client to handle the data processing for you.

Kayak Distance & Session Tracker: 4 Essential Tools

These tools handle the math and logic for your paddling logs. Your agent uses them to calculate totals, check for errors, and summarize your trips.

#	TOOL	DESCRIPTION
01	summarize_paddling_session	This tool provides a high level overview of a specific paddling session. It condenses your trip data into a readable summary.
02	get_average_speed	Your agent uses this to find the average speed across a series of paddling segments. It handles the math for your entire trip.
03	get_total_distance	This tool calculates the total distance you traveled. It sums up all the individual paddling segments you provide.
04	validate_segment_data	This tool checks your paddling logs for errors. It ensures your segments follow the right format and stay within realistic physical limits.

See It in Action

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

U What is the total distance for these segments: 5km, 10km, and 2mi?



The total distance is 17.22 kilometers.

U Calculate my average speed for a 10km segment that took 30 minutes.



Your average speed was 20.0 km/h.

U Summarize this session: 5km in 20 mins and 5mi in 40 mins.



The session summary is: Total distance is 13.09 km, total duration is 60 minutes, and average speed is 13.09 km/h.

Frequently Asked Questions

01 What can this MCP do with my paddling data?

It calculates total distance, determines average speed, validates segment data, and creates session summaries.

02 How do I use this with Claude or Cursor?

You connect to the Vinkius-hosted MCP once, and then your AI client can call these tools whenever you provide paddling data.

03 Can it check if my data is wrong?

Yes, the `validate_segment_data` tool checks if your logs follow the required format and physical constraints.

04 Does it work with different units?

The tool can process various segment inputs to provide accurate distance and speed calculations.

05 Do I need to host this myself?

No, Vinkius hosts and manages the MCP so it is ready to use immediately after connection.

06 How do I calculate my total distance?

You can use the `'get_total_distance'` tool by providing an array of segments, each containing a distance and a unit (km or mi).

07 Can I mix kilometers and miles in my data?

Yes, the tools automatically handle unit conversion to ensure accurate calculations across mixed-unit logs.

08 How can I check if my paddling data is valid?

Use the `'validate_segment_data'` tool to check if your segments follow the required format and physical constraints.

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>"kayak-distance-session-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

Kayak Distance & Session 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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Platform	Vinkius Cloud for AI Agents
Endpoint	<code>https://edge.vinkius.com/{token}/mcp</code>

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