

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

Audiobook Duration Aggregator MCP.

Get instant math on your audiobook listening lists.

Audiobook Duration Aggregator MCP handles the math for your listening libraries. It lets your AI client sum up total hours, find average book lengths, and pull specific statistics from time-stamped lists. It also checks that your duration strings follow the HH:MM:SS format so your data stays clean.

audiobook

time

duration

statistics

math



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.

Audiobook Duration Aggregator MCP

4 tools available

Cloud-hosted on Vinkius

If you manage large collections of audiobooks, calculating how much time you'll spend listening is a chore. This MCP handles those calculations for you. Instead of manually adding up hours and minutes, you can just hand a list of durations to your AI client. It will tell you exactly how long your total queue is or what the average length of a book in your collection looks like. You can also pull specific stats, like identifying your longest or shortest titles, to better plan your listening schedule. To keep things running smoothly, the MCP includes a validation tool that ensures every time string you provide follows the standard HH:MM:SS format. This prevents errors when you're processing large datasets or messy lists of book lengths.

Core Capabilities

01 — Total Time Calculation

Your agent uses this to find the sum of all book durations in a list.

02 — Mean Duration Analysis

Your AI client uses this to find the average length of books in a set.

03 — Extremity Identification

Your agent uses this to find the longest and shortest books in a collection.

04 — Format Validation

Your AI client uses this to confirm time strings match the HH:MM:SS standard.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/audiobook-duration-aggregator — connect your AI agent in three steps.

- 01 Connect the MCP to your preferred client like Claude or Cursor via Vinkius.
- 02 Paste or provide your list of audiobook durations in HH:MM:SS format.
- 03 Ask your agent to perform a specific calculation like total time or average length.
- 04 The MCP executes the math and returns the result to your chat interface.

Connect the MCP to your client and start sending time data.

Built For

This is for anyone managing large digital audiobook libraries or listening schedules.

Audiobook Collectors

Hand over lists of book lengths to get total time estimates for your queue.

Content Curators

Use the tool to analyze the average length of audio content in a catalog.

Data Analysts

Provide raw time strings to the MCP to get clean statistical summaries.

What Changes When You Connect

-
- 01 Eliminates manual math for time-based lists.
 - 02 Ensures data consistency through format validation.
 - 03 Provides instant statistical summaries of book collections.
 - 04 Automates the calculation of total listening hours.
-

Real-World Applications

Queue Planning

Calculate the total time needed to finish your current audiobook queue.

Data Cleaning

Check a list of time strings to make sure they are formatted correctly before processing.

Library Auditing

Find the longest and shortest books in your collection to understand your library's variety.

Listening Trends

Determine the average duration of books you typically listen to.

Patterns to Avoid

Feeding unformatted time strings

❌ AVOID

You paste a list of durations like 1h 20m and 45:10 into your agent and expect a total.

✓ INSTEAD

Run your list through `validate_duration_format` first to ensure every entry follows the HH:MM:SS standard.

Manual math for large queues

❌ AVOID

You try to add up fifty different book lengths in a spreadsheet to see how long your commute will take.

✓ INSTEAD

Hand the entire list to your agent and use ``get_total_listening_time`` to get the sum instantly.

The Right Fit

Connect this MCP if you manage large digital libraries or curate audio content. If you only own one or two audiobooks, you don't need this. The decision comes down to whether you want to manually calculate listening times or let your agent do the math for you.

Audiobook Duration Aggregator 4 Tools

These tools handle the math and formatting for your audiobook time data. Your agent uses them to calculate totals, averages, and extremes from raw time strings.

#	TOOL	DESCRIPTION
01	get_total_listening_time	This tool sums up the combined duration of every audiobook in your list.
02	validate_duration_format	This tool checks if your time strings follow the required HH:MM:SS standard.
03	get_average_book_length	This tool calculates the mean listening time for a collection of audiobooks.
04	get_duration_statistics	This tool provides a breakdown of your collection, including the longest and shortest books.

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 listening time for books lasting 01:00:00, 02:30:00, and 00:45:00?



The total listening time is 04:15:00.

U What is the average length of these audiobooks: 01:00:00, 02:00:00, and 03:00:00?



The average length is 02:00:00.

U Give me the statistics for books with durations 00:30:00, 05:00:00, and 01:15:00.



The longest book is 05:00:00, the shortest is 00:30:00, and the duration range is 4500 seconds.

Frequently Asked Questions

01 What format should I use for durations?

You should use the HH:MM:SS standard. The MCP includes a tool to validate your strings if you aren't sure.

02 Can I use this with Claude?

Yes. You can connect this MCP to any MCP-compatible client, including Claude.

03 Does this MCP handle the math itself?

Yes. The MCP provides specific tools to calculate totals, averages, and statistics.

04 How do I get the longest book in my list?

You can ask your agent to use the duration statistics tool to identify the longest book.

05 Do I need to host this myself?

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

06 What time format should I use?

All durations must be provided in the HH:MM:SS format (e.g., 01:30:00 for one hour and thirty minutes).

07 How can I check if my duration string is valid?

You can use the ``validate_duration_format`` tool to verify if a specific time string adheres to the required standard.

08 Can I get the total time for a large collection of books?

Yes, the ``get_total_listening_time`` tool is designed to aggregate the total duration of any number of provided audiobook strings.

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>"audiobook-duration-aggregator": { "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

Audiobook Duration Aggregator 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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Server ID	01a0c49c-c6b1-730e-9663-da378232e4ca
Platform	Vinkius Cloud for AI Agents
Endpoint	<code>https://edge.vinkius.com/{token}/mcp</code>

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