

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

Calendar Free Time MCP for scheduling.

Get clear answers about your availability in seconds.

Calendar Free Time MCP lets your AI agent analyze your schedule to find open windows and measure how much free time you actually have. Instead of manually scanning your calendar, you can ask your agent to find specific gaps, check if a new meeting fits, or even calculate how fragmented your day is. It turns your messy calendar into actionable data for your AI client.

A+ Quality Score 100/100

calendar

availability

scheduling

time-tracking

productivity



SCAN TO VIEW

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.

Calendar Free Time MCP

4 tools available

Cloud-hosted on Vinkius

Stop squinting at your calendar to find a gap for a quick call. This MCP gives your AI client the ability to look at your scheduled commitments and tell you exactly when you are free. You can use it to get a high-level view of your total availability during work hours or drill down into specific time slots. If you are trying to squeeze in a new task, your agent can verify if the timing works without you having to cross-reference every single meeting. It also helps you understand the quality of your time by measuring how much your schedule is broken up by small, unusable gaps. It is a direct way to give your agent a real sense of your time constraints.

Core Capabilities

01 — Total Time Calculation

Your agent sums up all available minutes within a specific range.

02 — Gap Identification

The AI finds the exact start and end times for every open window.

03 — Slot Verification

Your agent checks if a specific duration fits between existing meetings.

04 — Schedule Fragmentation Analysis

The AI calculates how much your free time is split into small pieces.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/calendar-free-time — connect your AI agent in three steps.

- 01 Connect your preferred MCP-compatible client to Vinkius.
- 02 Grant the MCP access to your calendar data.
- 03 Ask your AI agent a question about your availability.
- 04 The agent uses the specific tools to calculate and return the answer.

Connect your client to Vinkius and start asking questions about your time.

Built For

This is for anyone who manages a heavy calendar and wants their AI to handle the logistics of scheduling.

Executive Assistants

Hand off the task of finding meeting windows to your agent.

Project Managers

Let your agent check if team members have enough contiguous time for deep work.

Freelancers

Use your agent to quickly see how much billable time is left in a day.

What Changes When You Connect

- 01 Calculates total free minutes without manual math.
- 02 Identifies specific time windows for new appointments.
- 03 Measures how much your schedule interrupts your focus.
- 04 Verifies meeting feasibility instantly.

Real-World Applications

Finding Deep Work Blocks

Ask your agent to find a single continuous two-hour window in your afternoon.

Quick Meeting Checks

Check if a client's requested time slot is actually open on your calendar.

Daily Capacity Planning

Get a summary of your total available hours to plan your workload.

Assessing Schedule Quality

Use the fragmentation index to see if your day is too broken up for productive work.

Patterns to Avoid

Manual calendar scanning

❌ AVOID

You spend ten minutes scrolling through your Google Calendar to see if you have a gap between 2 PM and 4 PM.

✓ INSTEAD

Just ask your agent to use ``check_slot_availability`` to see if that specific window is open.

Vague availability requests

❌ AVOID

You ask your agent, 'When am I free today?' and get a massive, unhelpful list of every tiny gap.

✓ INSTEAD

Use ``get_availability_summary`` to get a single number representing your total free minutes instead.

Ignoring schedule fragmentation

❌ AVOID

You schedule a deep work session during a thirty minute gap between two meetings.

✓ INSTEAD

Run ``calculate_fragmentation_index`` first to see if your free time is actually large enough for real work.

The Right Fit

Connect this MCP if you manage a dense schedule and need your agent to handle the math of finding meeting windows. Do not connect it if you have a wide-open calendar where manual checking is faster than typing a prompt. The decision depends on whether your free time is fragmented into small, unusable pieces.

Calendar Free Time: 4 Specialized Scheduling Tools

These tools give your agent direct access to your calendar data to find gaps, measure availability, and analyze schedule quality.

#	TOOL	DESCRIPTION
01	calculate_fragmentation_index	This tool measures how interrupted your free time is. It helps you see if your gaps are large enough to actually get work done.
02	check_slot_availability	This tool checks if a specific time window is open. Use it to see if a new meeting or task fits into your current schedule.
03	get_availability_summary	This tool provides a total count of your free time. It tells you exactly how many hours or minutes you have available within a set period.
04	list_free_time_slots	This tool identifies every specific window of available time. It lists the exact start and end times for your open slots.

See It in Action

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

U How much total free time do I have between 9:00 AM and 5:00 PM if I have a meeting from 10:00 AM to 11:00 AM?



You have 7 hours (420 minutes) of total free time available.

U When are my available windows between 1:00 PM and 4:00 PM if I am busy from 2:00 PM to 2:30 PM?



Your available windows are 1:00 PM to 2:00 PM and 2:30 PM to 4:00 PM.

U Can I fit a 45-minute meeting from 3:00 PM to 3:45 PM into my schedule?



Yes, that time slot is available.

Frequently Asked Questions

01 How does this MCP work with my AI client?

You connect your client to Vinkius once. From then on, your agent can use the tools in this MCP to read your schedule and answer questions.

02 Can I use this with Claude or Cursor?

Yes, this MCP works with any MCP-compatible client, including Claude, Cursor, and Windsurf.

03 What can the agent do with my calendar?

The agent can find free time slots, calculate total availability, check if specific meetings fit, and measure schedule fragmentation.

04 Do I need to set up my own hosting?

No, Vinkius hosts and manages the MCP for you. You just connect and use it.

05 Can it tell me if my day is too busy?

Yes, by using the fragmentation index tool, your agent can tell you how interrupted your free time is.

06 How do I know if a meeting fits in my schedule?

You can use the ``check_slot_availability`` tool to verify if a specific time range is available within your defined availability period.

07 Can I see my exact free time slots?

Yes, the ``list_free_time_slots`` tool returns a list of all continuous available windows between your scheduled commitments.

08 How much total free time is left in my day?

The ``get_availability_summary`` tool calculates the total minutes of free time remaining within your active hours.

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>"calendar-free-time": { "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

Calendar Free Time 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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Platform	Vinkius Cloud for AI Agents
Endpoint	<code>https://edge.vinkius.com/{token}/mcp</code>

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