

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

Family Calendar Conflict Planner MCP

Fix scheduling overlaps and plan travel times automatically.

Family Calendar Conflict Planner is a deterministic scheduling engine designed to manage complex family commitments. It identifies time overlaps and impossible travel requirements, calculates free windows for specific people, and suggests valid rescheduling options that respect your family's priorities.

A+ Quality Score 100/100

calendar

scheduling

conflict-resolution

family-planning

automation



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.

Family Calendar Conflict Planner MCP

4 tools available

Cloud-hosted on Vinkius

Managing a household means dealing with constant scheduling friction. This MCP acts as a logic engine for your family's calendar. Instead of manually checking every person's availability, you can ask your AI client to find the gaps. It doesn't just look at time blocks; it accounts for the travel time needed between appointments to ensure a schedule is actually physically possible. When a conflict arises, the tool helps you weigh the impact of moving an event against your existing priorities. You can generate new, conflict-free options by shifting movable tasks, making it much easier to reorganize a busy week without breaking the entire routine.

Core Capabilities

01 — Conflict Detection

Your agent uses this to find overlapping appointments or impossible travel windows.

02 — Availability Mapping

The AI uses this to find open slots for specific family members.

03 — Rescheduling Logic

Your agent uses this to suggest new times for events that need to move.

04 — Priority Assessment

The AI uses this to check if moving an event ruins the rest of the week's balance.

05 — Travel Calculation

The tool uses this to ensure there is enough time to get from one location to another.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/family-calendar-conflict-planner — connect your AI agent in three steps.

- 01 Connect your preferred MCP-compatible client to Vinkius.
- 02 Ask your agent to check for conflicts or availability.
- 03 Review the suggested alternatives or priority impacts provided by the MCP.
- 04 Apply the new schedule to your preferred calendar app.

Connect your AI client to Vinkius to start managing your family calendar through natural language.

Built For

This MCP is built for anyone managing complex, multi-person schedules where travel and priority matter.

Household Managers

People coordinating school, work, and extracurriculars for multiple family members.

Busy Parents

Users who need to quickly resolve conflicts between sports, appointments, and work.

Caregivers

Individuals managing tight schedules for elderly or dependent family members.

What Changes When You Connect

- 01 Identifies impossible travel times between appointments.
- 02 Calculates real free time based on actual movement requirements.

-
- 03** Suggests valid alternative times for rescheduled events.
-
- 04** Evaluates how changes affect the overall schedule stability.
-

Real-World Applications

Resolving Double Bookings

When two family members have overlapping events, the tool finds a way to shift one without breaking the day.

Finding Meeting Times

Ask your agent to find a specific window where a family member is completely free.

Planning Travel Windows

The tool checks if a person can actually make it from a dentist appointment to soccer practice on time.

Managing Priority Shifts

Use the tool to see if moving a low-priority errand will cause a high-priority conflict later.

Patterns to Avoid

Ignoring travel time requirements

❌ AVOID

You ask your agent to find a free slot between two appointments that are on opposite sides of town.

✓ INSTEAD

Use ``analyze_availability`` to ensure the agent accounts for the actual time needed to drive between locations.

Moving events blindly

❌ AVOID

You reschedule a doctor's visit without checking if it ruins the rest of the week's plan.

✓ INSTEAD

Run ``evaluate_priority_impact`` first to see how that change affects your existing priorities.

Manual conflict hunting

❌ AVOID

You spend twenty minutes scrolling through three different digital calendars to find where a kid's soccer game overlaps with a meeting.

✓ INSTEAD

Let the agent find the exact problem areas immediately using ``get_conflicts``.

The Right Fit

Connect this MCP if you manage a household with multiple moving parts and tight travel windows. Do not connect it if you only manage a single person's schedule. The deciding factor is whether travel time and priority shifts create friction in your daily routine.



Family Calendar Conflict Planner Tools

These tools handle the heavy lifting of checking availability, spotting impossible travel windows, and suggesting new schedule options.

#	TOOL	DESCRIPTION
01	analyze_availability	This tool calculates free time for specific people by looking at their current commitments and the travel time required between them.
02	evaluate_priority_impact	Use this to see how moving a specific event will affect the stability and priority balance of the rest of the schedule.
03	get_conflicts	This tool identifies overlapping appointments or travel requirements that are physically impossible to meet within a given timeframe.
04	propose_alternatives	This tool generates a list of valid, conflict-free schedule options by shifting tasks that are able to be moved.

See It in Action

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

U Are there any scheduling conflicts for the family between Monday and Wednesday?



Yes, there is a travel impossibility conflict for Alex on Tuesday between the dentist appointment and the soccer practice.

U When is Sarah free to attend a meeting on Friday afternoon?



Sarah is available on Friday from 2:00 PM to 4:30 PM.

U Can we move the grocery trip to a different time?



Yes, the grocery trip can be moved to Thursday at 10:00 AM or Friday at 3:00 PM.

Frequently Asked Questions

01 How does this MCP handle travel time?

The tool accounts for the time needed to travel between locations, identifying if a schedule is physically impossible due to distance.

02 Which AI clients can I use with this?

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

03 Can it suggest new times for events?

Yes, the `propose_alternatives` tool generates valid, conflict-free options by shifting movable commitments.

04 Does it help with priority management?

Yes, the `evaluate_priority_impact` tool assesses how moving an event affects the overall balance of your schedule.

05 Do I need to host the MCP myself?

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

06 How does the tool handle travel time between events?

The engine automatically accounts for required travel duration. A conflict is flagged if the end of one commitment plus the necessary travel time is later than the start of the next.

07 Can I move a fixed commitment?

No. Fixed commitments have no movable window. The `propose_alternatives` tool will return an error if you attempt to move a commitment that is marked as fixed.

08 How is priority used in rescheduling?

The engine respects a strict priority hierarchy. High-priority commitments cannot be moved to accommodate lower-priority ones, ensuring critical events remain stable.

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>"family-calendar-conflict-planner": { "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

Family Calendar Conflict Planner 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	https://edge.vinkius.com/{token}/mcp

LICENSE & USAGE

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