

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 Reunion Seating Planner MCP

Handle complex event seating without the logistical headache.

Family Reunion Seating Planner MCP manages the complicated math of seating large groups. It handles table capacities, accessibility requirements, and social preferences to ensure everyone is placed where they belong. You can connect it to your AI client to generate layouts that respect both physical constraints and family dynamics.

A+ Quality Score 100/100

seating

family

reunion

optimization

logistics



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 Reunion Seating Planner MCP

4 tools available

Cloud-hosted on Vinkius

Planning a large family gathering involves more than just booking a venue. You have to figure out how to seat dozens of people while making sure grandparents have accessible spots and cousins sit near each other. This MCP takes that manual work off your plate. Instead of sketching layouts on paper, you tell your AI client what your constraints are, and it does the heavy lifting. It looks at your available tables, checks who needs wheelchair access, and calculates how to group people to keep the peace. You can verify how well a plan works or find the perfect table for a specific subgroup in seconds. It turns a multi-hour coordination task into a quick conversation with your agent.

Core Capabilities

01 — Constraint-Based Layouts

The AI generates plans that respect table limits and accessibility needs.

02 — Social Optimization

Your agent uses social preferences to group people together.

03 — Accessibility Matching

The tool identifies tables that meet specific physical requirements like wheelchair access.

04 — Plan Validation

You can run a score on any plan to see how well it meets your goals.

One Click on Vinkius — From Prompt to Execution

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

- 01 Connect the MCP to your preferred client like Claude or Cursor.
- 02 Provide your list of tables and guest groups to your agent.
- 03 Ask the agent to suggest a plan based on your specific constraints.
- 04 Refine the plan by checking scores or finding better table matches.

Connect the MCP to your AI client and start describing your seating needs.

Built For

This is for anyone coordinating large-scale family gatherings or community events.

Event Coordinators

They hand off the math of table assignments to the AI.

Family Reunion Organizers

They use the tool to manage social dynamics and physical needs.

Logistics Assistants

They use the tool to quickly check table availability and compatibility.

What Changes When You Connect

- 01 Reduces the time spent manually calculating table capacities.
- 02 Ensures accessibility needs are met for every guest.
- 03 Balances social preferences with physical seating limits.
- 04 Provides a way to score and refine seating plans.

Real-World Applications

Large Family Reunions

Organize dozens of relatives across multiple tables while keeping specific groups together.

Social Grouping

Use scoring to ensure family members are seated in a way that maximizes social comfort.

Accessible Event Planning

Identify specific tables that accommodate guests with mobility requirements.

Venue Capacity Audits

Quickly list and check all available tables in specific areas of a venue.

Patterns to Avoid

Manual layout sketching

❌ AVOID

You spend three hours drawing table circles on a piece of paper and trying to fit names into them.

✓ INSTEAD

Let your agent handle the heavy lifting by using ``suggest_seating_plan`` to generate layouts that respect all your constraints automatically.

Ignoring physical accessibility

❌ AVOID

You seat everyone based on who likes whom, but realize too late that a grandparent in a wheelchair is stuck at a cramped corner table.

✓ INSTEAD

Use `'find_compatible_tables'` to match specific guests to the best spots based on their mobility needs.

Guessing seating quality

❌ AVOID

You assume the seating plan is good because everyone is at a table, but the social groups are actually split up and unhappy.

✓ INSTEAD

Run a check on your arrangement with `'calculate_seating_score'` to see how well it actually meets your social goals.

The Right Fit

Connect this MCP if you are managing a large group where social dynamics and physical accessibility matter. Do not use it if you are just seating four people at a restaurant. The decision comes down to whether you have complex constraints like wheelchair access or specific family groupings to manage.

Family Reunion Seating Planner Tools

These tools handle the math and logistics of table assignments, social grouping, and venue capacity.

#	TOOL	DESCRIPTION
01	calculate_seating_score	This tool evaluates how well a proposed seating arrangement satisfies family relationships and social preferences.
02	find_compatible_tables	Use this to match specific groups to the best available spots based on their needs.
03	list_tables	This tool provides a full view of all available seating options and their capacities.
04	suggest_seating_plan	This tool generates optimized layouts that respect table capacity and accessibility constraints.

See It in Action

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

U Can you suggest a seating plan for my family reunion with 5 groups and 4 tables?



I have generated an optimized seating plan. Group A is at Table 1, Group B is at Table 2, Group C is at Table 3, and Groups D and E are at Table 4. All capacity and accessibility constraints are met.

U Which tables are available in the Garden area?



In the Garden area, there are 3 tables available: Table ID Garden_01 (capacity 4), Garden_02 (capacity 6, accessible), and Garden_03 (capacity 4).

U Check if Table 5 is suitable for a group of 4 that needs wheelchair access.



Yes, Table 5 is an accessible table with a capacity of 6, making it suitable for your group of 4.

Frequently Asked Questions

01 How does the seating plan handle accessibility?

The tool considers accessibility as a hard constraint, allowing you to match guests who need wheelchair access to suitable tables.

02 Can I use this with Claude or Cursor?

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

03 How do I know if a seating plan is good?

You can use the `calculate_seating_score` tool to evaluate how well a plan satisfies your family's social relationships and constraints.

04 Can I check specific table availability?

Yes, you can use the `list_tables` tool to see all available seating and their capacities.

05 Does this MCP manage the hosting?

Yes, Vinkius hosts and manages the MCP so it is ready to use immediately upon connection.

06 How does the seating optimization work?

The system uses the `'suggest_seating_plan'` tool to balance physical constraints like table capacity and accessibility with social preferences like affinity and friction between groups.

07 Can I filter tables by location?

Yes, you can use the `'list_tables'` tool with a location filter to see only the tables available in a specific area or room.

08 How are accessibility needs handled?

The system ensures accessibility by using `'find_compatible_tables'` to identify tables marked as accessible for groups that require them.

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-reunion-seating-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 Reunion Seating 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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Server ID	01a0f0ac-25bd-7148-9496-40b186d29e62
Platform	Vinkius Cloud for AI Agents
Endpoint	<code>https://edge.vinkius.com/{token}/mcp</code>

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