

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

Event Seating Chart Builder MCP

Organize complex guest lists and table layouts instantly.

Event Seating Chart Builder MCP handles the math and logic behind guest placement. It manages table capacities, keeps social groups together, and ensures guests who shouldn't sit together stay apart. You can use it with any MCP-compatible client to turn a messy guest list into a structured, optimized seating plan.

A+ Quality Score 100/100

seating

events

optimization

social-groups

accessibility



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.

Event Seating Chart Builder MCP

4 tools available

Cloud-hosted on Vinkius

Planning a large event usually means fighting with spreadsheets to make sure everyone is happy with their seat. This MCP takes that headache away by acting as a logic engine for your seating arrangements. You give your AI client the guest list and the table constraints, and it does the heavy lifting. It calculates layouts that respect social groups so friends sit together, while also enforcing rules like keeping certain people apart or making sure no table exceeds its limit. If you already have a plan, you can run it through the MCP to check for mistakes or see how well you preserved specific social clusters. It even understands the physical layout of your room by looking at how close tables are to one another. Instead of manually moving names around a grid, you just tell your agent what the requirements are and let it build the plan for you.

Core Capabilities

01 — Automated Plan Generation

Your agent uses this to build layouts that satisfy all guest and table requirements.

02 — Constraint Auditing

The AI uses this to scan existing plans for errors or rule violations.

03 — Social Group Preservation

Your agent checks this to ensure friends and family stay seated together.

04 — Spatial Awareness

The AI uses table proximity data to make smarter placement decisions.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/event-seating-chart-builder — connect your AI agent in three steps.

01 Connect the MCP to your preferred client like Claude or Cursor via Vinkius.

02 Provide your guest list and table capacities to your agent.

03 Ask the agent to generate or validate a seating plan.

04 Review the optimized arrangement or error report provided by the AI.

Connecting this MCP to your AI client gives your agent immediate access to seating logic tools.

Built For

This MCP is built for professionals managing large-scale gatherings where guest dynamics matter.

Event Planners

They hand off guest lists and table counts to the AI to generate initial drafts.

Wedding Coordinators

They use the tool to manage complex social groups and separation requests.

Conference Organizers

They use it to organize attendees into logical groups based on capacity.

What Changes When You Connect

- 01 Reduces manual errors in seating arrangements.
- 02 Enforces social constraints like guest separations automatically.
- 03 Optimizes table usage based on specific capacity limits.
- 04 Provides instant validation for existing seating layouts.

Real-World Applications

Wedding Seating

Manage complex family dynamics by ensuring specific guests stay together or apart.

Constraint Checking

Run an audit on a completed plan to catch accidental rule violations before the event.

Corporate Galas

Organize large groups of attendees into tables that respect capacity and professional groupings.

Spatial Planning

Use table proximity data to place specific groups in areas of the room that make sense.

Patterns to Avoid

Manual Spreadsheet Guessing

❌ AVOID

You try to manually move names around a grid to see if they fit, hoping you didn't accidentally put two feuding relatives at the same table.

✓ INSTEAD

Let your agent handle the math. Use ``generate_seating_plan`` to build a layout that respects all your constraints from the start.

Ignoring Table Proximity

❌ AVOID

You place a VIP group at a table that is physically too far from the stage or the entrance because you aren't looking at the room layout.

✓ INSTEAD

Check the physical layout first. Use ``get_table_proximity_map`` so your agent understands which tables are actually near each other.

Assuming a Plan is Perfect

❌ AVOID

You finish a massive seating chart and assume it's ready for the printer without checking if you broke any social rules.

✓ INSTEAD

Run a final check. Use ``validate_constraints`` to flag any rule violations before you finalize the plan.

The Right Fit

Event planners and wedding coordinators should connect this MCP if they manage large guest lists with complex social requirements. If you are only seating six people at a dinner party, you don't need this. The decision comes down to whether your seating logic is too complex for a standard spreadsheet.

Event Seating Chart Builder Tools

These tools handle the logic of guest placement, spatial table relationships, and constraint validation.

#	TOOL	DESCRIPTION
01	check_group_cohesion	This tool measures how well your current seating plan keeps social groups together. It helps you see if you've accidentally split up friends or family members.
02	generate_seating_plan	This tool builds an optimized seating arrangement from scratch. It follows your specific guest constraints and table capacity limits to find the best fit.
03	get_table_proximity_map	This tool provides the spatial relationships between your tables. It helps your agent understand which tables are next to each other for better placement logic.
04	validate_constraints	This tool audits your existing seating plan. It flags any rule violations, such as seating guests who need to be separated at the same table.

See It in Action

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

- U** Generate a seating plan for 10 guests and 3 tables where Table 1 has a capacity of 4 and Table 2 has a capacity of 4.



The seating plan has been generated: Table 1 contains guests A, B, C, and D; Table 2 contains guests E, F, G, and H; Table 3 contains guests I and J.

- U** Check if this seating plan is valid: Guest 1 and Guest 2 are in a separation list but are both assigned to Table 5.



The seating plan is invalid. Violation: Guest 1 and Guest 2 cannot be seated at the same table due to separation constraints.

- U** What is the proximity of Table 1 to other tables?



Table 1 is adjacent to Table 2 and Table 3.

Frequently Asked Questions

01 How do I use this MCP with my AI client?

You connect to the MCP through Vinkius. Once connected, your AI client like Claude or Cursor can immediately call the seating tools.

02 Can this MCP handle guests who shouldn't sit together?

Yes. You can use the validation tool to check for separation constraints or ask the agent to generate a plan that respects those rules.

03 Does it work with any guest list format?

You provide the guest data to your AI client, and the agent uses the MCP tools to process that information into a plan.

04 Can I check an existing plan for mistakes?

Yes. The `validate_constraints` tool is specifically designed to audit existing plans for rule violations.

05 What if my tables have different sizes?

The `generate_seating_plan` tool accounts for specific table capacities to ensure no table is overfilled.

06 How does the engine handle guest separation?

The engine treats separation rules as hard constraints. Using `'validate_constraints'`, the system ensures that guests marked for separation are never assigned to the same table.

07 Can I ensure guests with accessibility needs are accommodated?

Yes. When using `'generate_seating_plan'`, the engine matches guest accessibility requirements against available table features to ensure proper placement.

08 How can I check if my seating plan is successful?

You can use `'check_group_cohesion'` to get a percentage score of how well social groups were kept together, or `'validate_constraints'` to check for any rule violations.

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>"event-seating-chart-builder": { "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

Event Seating Chart Builder 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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