

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

Neighborhood Skill-Share Planner MCP

Turn community skill offers into organized local events.

Neighborhood Skill-Share Planner MCP handles the logistics of community learning. It matches people who want to teach with those who want to learn, manages venue availability, and builds the checklists you need to make sure every session actually happens.

A+ Quality Score 100/100

scheduling

coordination

community-building

logistics

matching



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.

Neighborhood Skill-Share Planner MCP

4 tools available

Cloud-hosted on Vinkius

You can use this MCP to turn a messy list of community interests into a functional schedule. Instead of manually checking who is available and who has the right tools, you hand those details to your AI client. It looks at what people offer, what they need, and where they can meet to build a structured calendar. It handles the heavy lifting of matching participants based on their consent and availability. Once the schedule is set, it helps you prepare by generating material lists and planning how to notify everyone involved. It keeps the focus on the coordination so you can focus on the community.

Core Capabilities

01 — Participant Matching

Your agent matches skill offers with requests based on user availability.

02 — Host Assignment

The MCP identifies a primary person to lead each scheduled session.

03 — Logistics Planning

It generates checklists of necessary items for every event.

04 — Communication Planning

Your agent creates notification plans to keep participants informed.

05 — Calendar Generation

It builds a structured schedule from raw participant and venue data.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/neighborhood-skill-share-planner — connect your AI agent in three steps.

- 01 Connect your preferred MCP-compatible client to Vinkius.
- 02 Provide participant offers, requests, and availability to your agent.
- 03 Use the MCP to generate a structured session calendar.
- 04 Assign hosts and create material checklists through your agent.
- 05 Finalize the communication plan to notify all participants.

You connect the MCP to your AI client and start feeding it community data.

Built For

This MCP is for people organizing local community groups or neighborhood networks.

Community Organizers

They hand off participant data and venue lists to the MCP to build schedules.

Neighborhood Leads

They use the tool to manage session logistics and material needs.

Event Coordinators

They rely on the MCP to automate host assignments and communication plans.

What Changes When You Connect

- 01 Matches participants automatically using availability and consent data.
- 02 Reduces manual planning by generating material checklists.

03 Organizes session schedules from raw community input.

04 Automates host selection for every event.

Real-World Applications

Neighborhood Skill Swaps

Match neighbors who want to teach gardening or cooking with those who want to learn.

Community Tool Libraries

Coordinate sessions where people share specialized tools and expertise.

Local Workshop Series

Build a structured calendar for a series of recurring community classes.

Volunteer Coordination

Assign hosts and plan communications for community service events.

Patterns to Avoid

Manual scheduling from raw lists

❌ AVOID

You try to manually cross-reference every neighbor's availability and skill set in a spreadsheet to find matches.

✓ INSTEAD

Give the raw participant and venue data to your agent and use `generate\_session\_calendar` to build the timeline automatically.

Ignoring session leadership needs

❌ AVOID

You schedule a series of workshops but realize halfway through that no one is officially in charge of the equipment.

✓ INSTEAD

Run `assign\_session\_hosts` to ensure every single event has a designated person responsible for leading the session.

Last minute supply shortages

❌ AVOID

You show up to a gardening workshop only to realize you forgot to check if anyone actually has the shovels.

✓ INSTEAD

Use ``create_materials_checklist`` to build a list of required items before the event starts.

The Right Fit

Connect this MCP if you manage local community groups or neighborhood networks that need to coordinate people, skills, and resources. Do not connect it if you are just managing a static list of contacts or a simple mailing list. The deciding factor is whether you need to turn raw availability and interest data into a structured, actionable schedule.

4 Tools for Neighborhood Skill-Share Planning

These tools turn messy community interest lists into organized, actionable event schedules and logistics plans.

#	TOOL	DESCRIPTION
01	assign_session_hosts	This tool picks a primary host for every session on your calendar. It ensures every event has a designated person in charge.
02	create_materials_checklist	This tool builds a list of everything needed for a specific session. It helps you track down tools or supplies before the event starts.
03	generate_session_calendar	This tool creates a structured schedule of all valid skill-sharing sessions. It uses participant availability and consent to build the timeline.
04	plan_participant_communications	This tool develops a notification plan for your participants. It outlines how to inform people about their scheduled sessions.

See It in Action

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

- U** Create a skill-sharing schedule for these participants: [{"name": "Alice", "offers": ["Gardening"], "availability": "Weekends", "consent": true}, {"name": "Bob", "requests": ["Gardening"], "availability": "Weekends", "consent": true}] and these venues: [{"name": "Community Park", "capacity": 5}]



A gardening session has been scheduled for this weekend at the Community Park with Alice and Bob participating.

- U** Generate a materials checklist for a woodworking session.



The required materials for the woodworking session are: hammer, nails, and sandpaper.

- U** Assign a host for the scheduled cooking session.



Charlie has been assigned as the host for the cooking session.

Frequently Asked Questions

01 How does the MCP match participants?

The MCP uses the availability and consent data provided in your input to match skill offers with requests.

02 Can I use this with Claude or Cursor?

Yes, you can connect this MCP to any MCP-compatible client like Claude, Cursor, or Windsurf.

03 Does it handle the actual messaging to participants?

The MCP creates a communication plan to inform participants, but you manage the actual delivery through your preferred channels.

04 What kind of data do I need to provide?

You need to provide details about participants, their skills, their availability, and available venues.

05 How does it handle session hosts?

The tool includes a specific function to identify and assign a primary host for every session in your calendar.

06 How are skill matches determined?

Matches are made using `generate\_session\_calendar` only when a skill offer meets a request, both parties have overlapping availability, and both have provided consent.

07 Can I control how I am contacted?

Yes. The `plan\_participant\_communications` tool respects all participant consent preferences and contact methods.

08 How are hosts selected for sessions?

The `assign\_session\_hosts` tool identifies participants who have explicitly consented to hosting or provided a venue.

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>"neighborhood-skill-share-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

Neighborhood Skill-Share 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	<code>https://edge.vinkius.com/{token}/mcp</code>

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