

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 Cleanup Coordination MCP

Turn volunteer lists and supply needs into organized event plans.

Neighborhood Cleanup Coordination MCP handles the heavy lifting of community event logistics. It takes your raw data, like volunteer counts and equipment lists, and turns it into a structured plan. You can use it to schedule shifts, calculate how many gloves or bags you need, and draft messages to keep your volunteers informed and safe.

A+ Quality Score 100/100

cleanup

volunteers

scheduling

logistics

community-organizing



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 Cleanup Coordination Plan MCP

4 tools available

Cloud-hosted on Vinkius

Running a community cleanup involves a lot of moving parts that are easy to lose track of. This MCP acts as your logistics engine. Instead of manually counting supplies or trying to figure out how to split up a large group of people, you give that data to your AI client. It handles the math and the organization for you. You can use it to build time-based schedules that respect your site's capacity, ensuring you don't have too many people in one area at once. It also calculates exactly what gear you need to bring so you aren't caught short on supplies. Once the event is running, it helps you stay in touch with your team by drafting clear safety instructions and meeting details. When the work is done, it provides a final checklist to make sure the trash is picked up and the area is actually clean. It's about moving from a messy list of names to a coordinated operation.

Core Capabilities

01 — Volunteer Scheduling

Your agent uses this to split large groups into manageable time slots.

02 — Supply Math

Your agent calculates the exact amount of gear needed based on headcount.

03 — Safety Messaging

Your agent drafts clear instructions to keep volunteers informed and safe.

04 — Site Verification

Your agent produces checklists to confirm the job is done correctly.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/neighborhood-cleanup-coordination-plan — connect your AI agent in three steps.

- 01 Connect the MCP to Claude, Cursor, or Windsurf via Vinkius.
- 02 Provide your volunteer list and event details to your AI client.
- 03 Ask the agent to calculate supplies or generate a shift schedule.
- 04 Use the drafted communications to update your volunteers.
- 05 Run the closeout checklist once the cleanup is finished.

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

Built For

This MCP is built for people managing local community service projects and environmental cleanups.

Community Organizers

They hand off volunteer lists and site locations to the MCP to build event plans.

Non-profit Coordinators

They use the tool to manage logistics and supply needs for larger scale cleanups.

Neighborhood Leads

They use it to quickly draft communications and schedules for local residents.

What Changes When You Connect

- 01 Reduces manual math for supply counts.
- 02 Prevents overcrowding by enforcing shift capacity limits.

03 Standardizes safety and closeout procedures.

04 Speeds up volunteer communication.

Real-World Applications

Park Cleanups

Organize volunteers into shifts to clean up local parks without overwhelming the area.

Supply Planning

Figure out exactly how many trash bags and gloves to buy before heading to a site.

Volunteer Onboarding

Send out specific roles and safety instructions to everyone signed up for a shift.

Event Wrap-up

Use a checklist to confirm all waste was collected and the site is ready for use.

Patterns to Avoid

Guessing supply needs

❌ AVOID

You look at your volunteer list and just grab a few extra bags of trash, hoping you have enough for everyone.

✓ INSTEAD

Input your headcount into the MCP and use `calculate_supply_requirements` to get an exact count of gloves and bags.

Overcrowding a single site

❌ AVOID

You send fifty people to a small park at 9:00 AM, causing a bottleneck and making the area too crowded to work.

✓ INSTEAD

Use `generate_shift_schedule` to split your group into timed slots that respect the site's capacity.

Vague volunteer instructions

❌ AVOID

You send a group text saying 'see you at the park tomorrow' without mentioning safety rules or specific roles.

✓ INSTEAD

Use `draft_participant_comms` to create clear messages that include meeting locations and essential safety protocols.

The Right Fit

Connect this MCP if you manage community service projects or environmental cleanups that require coordinated logistics. Do not connect it if you are running solo or small-scale tasks that don't involve volunteer groups or supply management. The decision depends on whether you need to move from a simple list of names to a structured operational plan.



Neighborhood Cleanup Coordination Plan Tools

These tools handle the logistics of volunteer management, supply math, and site verification.

#	TOOL	DESCRIPTION
01	calculate_supply_requirements	This tool determines exactly what equipment you need to bring or pick up. It calculates necessary items like gloves and bags based on your volunteer count.
02	create_closeout_checklist	This tool generates a final verification list. It ensures the cleanup area is actually clean and that all waste is properly handled.
03	draft_participant_comms	This tool writes tailored messages for your volunteers. It covers essential details like safety rules, specific roles, and meeting locations.
04	generate_shift_schedule	This tool organizes your volunteers into specific time-based shifts. It respects your capacity limits so you don't overcrowd a site.

See It in Action

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

U I have 15 volunteers for the Central Park cleanup on June 12th. We can only have 5 people per shift. Can you make a schedule?



I have organized the 15 volunteers into 3 shifts for June 12th, with 5 volunteers assigned to each shift to stay within your capacity limits.

U We have 20 volunteers. We currently have 10 pairs of gloves in stock. How many more gloves do we need?



You need 10 more pairs of gloves to ensure every volunteer has a pair.

U The cleanup is finished at Oak Street. Here are the waste contacts: City Waste Dept. Please give me a checklist.



Here is your closeout checklist for Oak Street: 1. Verify waste pickup with City Waste Dept. 2. Tally all supplies used. 3. Confirm area is clear of debris.

Frequently Asked Questions

01 What AI clients can I use with this MCP?

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

02 How does it help with volunteer management?

It helps you organize volunteers into specific time-based shifts while making sure you don't exceed the capacity of your cleanup site.

03 Can it help me figure out what supplies to buy?

Yes, it calculates the necessary equipment, such as gloves and bags, based on the number of volunteers you have.

04 Does it handle volunteer communication?

It can draft tailored messages that include safety instructions, specific roles, and meeting locations for your participants.

05 How do I ensure the cleanup was successful?

You can use the tool to create a closeout checklist that verifies the area is clean and waste is properly handled.

06 How do I organize my volunteers into shifts?

You can use the ``generate_shift_schedule`` tool. Provide the area name, the list of volunteer IDs, the planned dates, and the maximum number of volunteers allowed per shift.

07 Can I calculate how many supplies I need?

Yes, the ``calculate_supply_requirements`` tool calculates the necessary equipment based on your total volunteer count and current inventory.

08 How do I ensure volunteers receive their instructions?

Use the ``draft_participant_comms`` tool. It generates tailored messages for each volunteer that include their specific shift details and the organizer's safety rules.

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-cleanup-coordination-plan": { "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 Cleanup Coordination Plan 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>

LICENSE & USAGE

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