

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

Accessible Outdoor Activity Planner MCP

Plan safe excursions that account for mobility and environmental constraints.

Accessible Outdoor Activity Planner MCP handles the heavy lifting for inclusive outdoor trips. It analyzes terrain against specific mobility or sensory needs, assigns group roles, and sets up safety checkpoints based on weather and distance. Your AI client uses this data to build logistics that keep everyone safe and coordinated.

A+ Quality Score 100/100

accessibility

outdoor

planning

logistics

safety



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.

Accessible Outdoor Activity Planner MCP

4 tools available

Cloud-hosted on Vinkius

Planning an outdoor trip becomes complicated when you have to account for specific accessibility needs. This MCP takes the guesswork out of the process by syncing environmental data with participant constraints. You can use it to check if a specific trail is actually viable for someone with limited mobility or sensory sensitivities before you ever leave the house. It doesn't just look at the path; it looks at the weather, the terrain, and the people involved.

Once you know a route works, the MCP helps you organize the group. It can distribute specific responsibilities like navigation or communication to different members so the burden doesn't fall on one person. It also builds a safety framework by generating logical checkpoints based on temperature shifts or distance traveled. When the trip is over, it manages the logistics for getting everyone back to their transport safely. It's a specialized engine for making sure outdoor adventures are inclusive and well-coordinated.

Core Capabilities

01 — Mobility Assessment

Your agent uses environmental and participant data to confirm if a route is accessible.

02 — Role Distribution

The AI assigns specific tasks to group members to optimize coordination.

03 — Safety Checkpoints

Your client generates logical evaluation points based on weather thresholds and distance.

04 — Return Logistics

The MCP manages the timing and coordination for reuniting with transport.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/accessible-outdoor-activity-planner — connect your AI agent in three steps.

- 01 Connect your AI client to the Vinkius hosted MCP.
- 02 Provide your trip details and participant constraints to your agent.
- 03 Run the readiness analysis to confirm the route is viable.
- 04 Generate group roles and safety checkpoints through the chat interface.
- 05 Follow the coordinated plan to execute the excursion and return.

You connect the MCP to your preferred AI client and start planning immediately.

Built For

This MCP is built for anyone organizing group excursions where accessibility and safety are priorities.

Outdoor Trip Organizers

They hand off the logistics of checking terrain viability and assigning group roles to the AI.

Accessibility Coordinators

They use the tool to ensure routes meet the specific sensory or mobility needs of their clients.

Group Leaders

They rely on the MCP to set safety checkpoints and manage return rendezvous.

What Changes When You Connect

- 01 Reduces planning errors by matching terrain data to participant constraints.

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- | | |
|----|---|
| 02 | Distributes group responsibilities to prevent single-point failure in coordination. |
| 03 | Automates safety monitoring through weather and distance based checkpoints. |
| 04 | Simplifies the end-of-trip process with structured return logistics. |
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Real-World Applications

Inclusive Hiking Trips

An organizer uses the tool to ensure a trail's elevation and surface are compatible with wheelchair users.

Safety Monitoring

A group leader sets checkpoints that trigger when temperatures hit a certain threshold to prevent heat exhaustion.

Family Outings

A parent uses the MCP to assign roles like Navigator to children to keep the group engaged and organized.

Transport Coordination

A coordinator uses the return tool to ensure everyone meets back at the vehicle at the right time.

Patterns to Avoid

Ignoring individual constraints

❌ AVOID

You pick a steep mountain trail because the weather is clear, assuming everyone in your group can handle the incline.

✓ INSTEAD

Run the route through `analyze_readiness` first to confirm the terrain matches your participants' specific mobility or sensory needs.

Centralizing all group tasks

❌ AVOID

You try to manage the map, the pace, and the water supplies all by yourself while walking.

✓ INSTEAD

Use `assign_group_roles` to spread responsibilities across the group so no single person carries the entire coordination load.

Neglecting weather-based safety

❌ AVOID

You head out on a long hike without planning for how rising temperatures might affect the group's energy levels.

✓ INSTEAD

Set up specific trigger points using `generate_checkpoints` to monitor how weather and distance impact the group's status.

The Right Fit

Connect this MCP if you organize group excursions where accessibility and safety are non-negotiable. If you are just planning a solo hike or a casual walk where terrain and participant needs aren't a factor, you don't need this.



Accessible Outdoor Activity Planner Tools

These tools handle everything from initial route viability checks to final transport coordination for inclusive group trips.

#	TOOL	DESCRIPTION
01	analyze_readiness	This tool checks if a planned route is actually viable by comparing environmental data against specific mobility or sensory constraints.
02	assign_group_roles	This tool distributes specific responsibilities among your group members to keep the activity organized.
03	coordinate_return	This tool handles the logistics for ending an excursion and ensuring everyone reunites with their transport.
04	generate_checkpoints	This tool creates a sequence of logical trigger points for the group to evaluate their status based on weather or distance.

See It in Action

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

U Is this trail suitable for a group with limited mobility?



The trail is suitable. The paved paths and minimal elevation changes align with the mobility constraints provided.

U Help me assign roles for our hiking group.



Roles assigned: Alex will be the Navigator, Sam will be the Primary Communicator, and Jordan will be the Pace-setter.

U When should we check our conditions during the walk?



Checkpoints are set for every 2 kilometers and whenever the temperature exceeds 25°C.

Frequently Asked Questions

01 How does the MCP check if a trail is accessible?

The analyze_readiness tool compares the specific mobility or sensory constraints of your participants against the environmental and terrain data of the location.

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 How are group roles assigned?

The `assign_group_roles` tool takes your group information and distributes responsibilities like Navigator or Communicator to optimize the activity.

04 What triggers a safety checkpoint?

Checkpoints are generated based on logical triggers such as specific distance intervals or weather thresholds like temperature changes.

05 Does Vinkius host this MCP?

Yes, Vinkius hosts and manages the MCP, so you can connect once and it is ready to use immediately.

06 How does the readiness assessment work?

The `analyze_readiness` tool compares route details like elevation and surface type against the specific mobility and endurance limits of each participant to determine if the activity is viable.

07 Can I assign specific roles to my companions?

Yes, the `assign_group_roles` tool distributes responsibilities such as Navigator or Primary Communicator based on the capability profiles of your group members.

08 How are return logistics handled?

The `coordinate_return` tool establishes a rendezvous point and timing schedule, accounting for the slowest participant's pace to ensure everyone reunites with transport safely.

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>"accessible-outdoor-activity-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

Accessible Outdoor Activity 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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