

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 Hobby Participation Planner MCP

Tailor your favorite activities to your physical and sensory needs.

Accessible Hobby Participation Planner MCP adapts hobby workflows to your specific accessibility needs and environmental constraints. It analyzes barriers to generate customized activity roadmaps, equipment setup advice, and specific instructions for helpers. You can use it within any MCP-compatible client to make sure your hobbies remain enjoyable and manageable regardless of physical or sensory limitations.

A+ Quality Score 100/100

inclusion

planning

accessibility

hobby

workflow



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 Hobby Participation Planner MCP

4 tools available

Cloud-hosted on Vinkius

You shouldn't have to skip the things you love because of a physical barrier or a sensory constraint. This MCP acts as a specialized planning engine that looks at your specific situation and rebuilds the way you approach a hobby. If you have limited hand dexterity, it suggests tool grips. If you have sensory sensitivities, it suggests environmental adjustments. It doesn't just give generic advice; it builds a functional roadmap for how you actually perform the task. You can use it to figure out exactly what equipment you need to set up, how to position yourself to save energy, and even how to instruct a helper to support you without overstepping. It turns a daunting activity into a series of manageable, accessible steps.

Core Capabilities

01 — Workflow Adaptation

Your agent rewrites activity steps to match your physical capabilities.

02 — Equipment Recommendations

The AI suggests specific tools or modifications to make gear easier to use.

03 — Helper Instruction

It creates clear guidelines for assistants to follow based on your preferences.

04 — Barrier Validation

The tool checks your plan to ensure all identified obstacles are actually addressed.

05 — Post-Activity Review

It generates templates to help you evaluate how successful and comfortable a session was.

One Click on Vinkius — From Prompt to Execution

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

- 01 Connect the MCP to your preferred client like Claude or Cursor.
- 02 Tell your agent about your hobby and your specific constraints.
- 03 Review the generated participation plan and equipment list.
- 04 Use the helper optimization tool if you have someone assisting you.
- 05 Follow the plan and use the reflection template to improve future sessions.

Connect the MCP to your client and start planning immediately.

Built For

People looking to maintain independence in their personal interests despite physical or sensory challenges.

Hobbyists

Individuals who want to adapt their creative or physical activities to their specific needs.

Caregivers

People who use the tool to understand how to best support someone else's hobby engagement.

Occupational Therapists

Professionals who can use the generated plans to help clients structure their home activities.

What Changes When You Connect

- 01 Reduces physical strain by suggesting seated or ergonomic workflows.

-
- | | |
|----|---|
| 02 | Minimizes sensory overwhelm through environmental planning. |
| 03 | Provides clear communication protocols for assistants and helpers. |
| 04 | Ensures hobby equipment is optimized for specific dexterity levels. |
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Real-World Applications

Adaptive Art Projects

Modify painting or sculpting workflows to accommodate hand dexterity or vision needs.

Accessible Cooking

Plan kitchen tasks to manage standing limits or sensory sensitivities to smells and sounds.

Outdoor Activities

Adjust gardening or hiking plans based on mobility constraints and environmental factors.

Structured Support

Create precise instructions for family members or helpers to provide the right kind of assistance.

Patterns to Avoid

Ignoring existing physical limits

❌ AVOID

You ask the agent to plan a long gardening session without mentioning your limited mobility. The plan ends up being too physically demanding.

✓ INSTEAD

Start by defining your specific constraints. Use ``generate_participation_plan`` to build a workflow that respects your actual physical or sensory needs from the start.

Vague helper instructions

❌ AVOID

You tell a family member to help you with a painting project but don't specify how they should handle the brushes. This leads to frustration for both of you.

✓ INSTEAD

Be precise about what you need. Use ``optimize_helper_roles`` to create clear, specific guidelines so your assistant knows exactly how to support you.

Skipping the post-activity check

❌ AVOID

You finish a cooking session that left you feeling exhausted and overwhelmed, but you don't change anything for the next time.

✓ INSTEAD

Track your progress to improve future sessions. Use `'create_reflection_template'` to build a review process that identifies what worked and what caused strain.

The Right Fit

Connect this MCP if you need to adapt hobbies or daily tasks to specific physical or sensory requirements. Do not connect it if you are looking for general productivity advice or generic lifestyle tips. The decision depends entirely on whether you have specific accessibility needs to solve for.

Accessible Hobby Participation Planner Tools

These tools help you build, verify, and refine custom workflows for any activity. They turn physical or sensory constraints into actionable, step-by-step plans.

#	TOOL	DESCRIPTION
01	create_reflection_template	This tool produces a structured set of questions for after your session. It helps you see what worked and what needs adjustment next time.
02	optimize_helper_roles	This tool refines instructions for anyone assisting you. It ensures helpers know exactly how to support your specific preferences.
03	evaluate_barrier_mitigation	This tool checks if your current plan actually covers the obstacles you identified. It makes sure no accessibility need is left unaddressed.
04	generate_participation_plan	This tool builds your primary adapted workflow. It outlines the specific steps you'll take and the equipment you'll need to get started.

See It in Action

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

U I want to do watercolor painting at home. I have limited hand dexterity and a small desk. I have brushes and paper. How can I prepare?



Use thick foam grips on your brushes to make them easier to hold. Place non-slip mats under your paper so it stays put on the small desk. Organize all your liquids within easy reach before you start to minimize repetitive reaching.

U I'm planning a gardening session. I have sensory sensitivities to loud noises and need a verbal guide to help me stay on track.



Keep the environment quiet to manage your sensory needs. Your helper should act as a Verbal Guide, providing gentle verbal prompts to keep you focused on the steps without using physical intervention.

U I want to bake bread, but I only have a 2-hour window and I struggle with standing for long periods.



Set up a seated workstation at your kitchen table. Modify your workflow to include sitting during the kneading and rising phases to conserve your energy.

Frequently Asked Questions

01 What kind of AI clients can I use this with?

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

02 Do I need to install anything on my computer?

No. Vinkius hosts the MCP for you. You just connect your client once and it is ready to use.

03 Can this help me if I have sensory issues?

Yes. The MCP can suggest environmental changes and specific helper roles to manage sensory sensitivities.

04 How does it help with physical limitations?

It suggests workflow changes, such as seated workstations, and equipment modifications like foam grips for better handling.

05 Is there a way to check if my plan is actually safe or effective?

Yes. You can use the `evaluate_barrier_mitigation` tool to verify that your plan addresses all the obstacles you mentioned.

06 How does this tool help with accessibility?

It analyzes your specific barriers--such as physical or sensory constraints--and modifies the standard hobby workflow and equipment setup to mitigate them.

07 Can I define how much help I need?

Yes, you can specify your assistance preferences, and the tool will use `'optimize_helper_roles'` to define clear, actionable roles for your supporters.

08 Does this teach me how to do the hobby?

No, the focus is strictly on the logistics of participation and environmental adaptation, not on teaching the skills of the hobby itself.

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-hobby-participation-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 Hobby Participation 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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