

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

Camp Occupancy Rate MCP

Track campground capacity and usage trends through your AI client.

Camp Occupancy Rate MCP gives your AI agent direct access to campground capacity data. You can check if specific sites are free for bookings, compare usage between different locations, and pull high-level status reports to monitor how your campgrounds are performing in real time.

A+ Quality Score 100/100

campground

occupancy

capacity

availability

trends



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.

Camp Occupancy Rate MCP

4 tools available

Cloud-hosted on Vinkius

Managing campground capacity shouldn't feel like a guessing game. This MCP connects your AI client to your campground data so you can ask direct questions about availability and trends. Instead of digging through spreadsheets, you just ask your agent for a status update or a comparison of how different sites are performing. You can quickly verify if a group booking is actually possible by checking site availability or get a bird's-eye view of your entire operation with a single prompt. It turns your AI into a specialized operations assistant that understands exactly how many sites are filled and how many remain open across your different locations.

Core Capabilities

01 — Capacity Monitoring

Your agent calculates current occupancy percentages to see how full a site is.

02 — Booking Validation

The AI checks if a specific number of sites can be accommodated before you confirm a reservation.

03 — Usage Comparison

Your agent pulls data from multiple locations to compare how different campgrounds are being used.

04 — Status Reporting

The AI generates high-level summaries of campground states on demand.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/camp-occupancy-rate — connect your AI agent in three steps.

- 01
- Connect the MCP to your AI client through Vinkius.
- 02
- Ask your AI agent a question about campground occupancy or availability.
- 03
- The AI invokes the necessary tool to pull real-time data.
- 04
- Your agent provides the specific numbers or summaries you requested.

Setting up this MCP takes seconds and works directly within your existing AI workflow.

Built For

This MCP is built for people managing outdoor recreation spaces and campground networks.

Campground Managers

They hand off the task of checking site availability and occupancy numbers to their AI agent.

Operations Coordinators

They use the AI to compare usage trends across different geographic locations.

Reservation Agents

They ask the AI to validate if enough sites are free for incoming group requests.

What Changes When You Connect

- 01
- Eliminates manual calculations of occupancy percentages.
- 02
- Provides instant confirmation on site availability for bookings.
- 03
- Enables quick comparisons of usage between different campground locations.

04 Delivers high-level status summaries without manual data entry.

Real-World Applications

Group Booking Verification

Ask your AI if a specific campground has enough open sites to host a large group.

Regional Performance Analysis

Compare how different campgrounds in your network are performing against each other.

Daily Status Checks

Get a quick summary of how full your sites are at the start of a shift.

Capacity Planning

Use occupancy trends to understand how usage fluctuates across your locations.

Patterns to Avoid

Manual Spreadsheet Cross-Referencing

❌ AVOID

You spend an hour manually adding up site numbers from three different spreadsheets to see if a group can fit.

✓ INSTEAD

Ask your agent to compare usage across locations using ``get_occupancy_trends`` instead.

Guessing Group Capacity

❌ AVOID

You tell a customer a group of 10 can stay at a site because it looks mostly empty on the map.

✓ INSTEAD

Use ``validate_site_availability`` to confirm the exact number of open sites before you commit to the booking.

Vague Occupancy Checks

❌ AVOID

You ask your agent if the campground is busy today without specifying which location you mean.

✓ INSTEAD

Be specific about the location and use ``get_campground_summary`` to get an accurate state of that specific site.

The Right Fit

Connect this MCP if you manage multiple campground locations and need real-time capacity data for bookings. Do not connect it if you only run a single, small site where manual checks are already fast. The decision depends on whether you need to compare usage across a network or validate group stays instantly.

Camp Occupancy Rate MCP Tools

These tools give your agent direct access to campground capacity, site availability, and regional usage trends.

#	TOOL	DESCRIPTION
01	get_campground_summary	This tool provides a high-level overview of a specific campground's current state.
02	get_occupancy_trends	Use this to pull occupancy data across multiple campgrounds to compare usage patterns.
03	get_campground_occupancy	This tool calculates the exact occupancy percentage for a single campground.
04	validate_site_availability	This tool checks if a campground has enough open sites to handle a specific booking request.

See It in Action

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

U What is the occupancy rate for campground ID 'forest-01'?



The occupancy rate for forest-01 is 75%, with 75 occupied sites and 25 available sites out of a total capacity of 100.

U Is there enough space for 5 sites at campground 'lake-side-42'?



Yes, there are 12 sites available, so you can book 5 sites. You will have 7 sites remaining.

U Give me a summary of the status for campground 'mountain-retreat'.



The campground 'mountain-retreat' has 50 total sites and a usage ratio of 0.80. It is not full.

Frequently Asked Questions

01 What can this MCP do for my campground?

It allows your AI client to check occupancy rates, verify site availability for bookings, and compare usage trends across different locations.

02 Which AI clients can I use with this MCP?

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

03 How do I check if a campground is full?

You can ask your AI agent to get the occupancy percentage or a summary of the campground's current state.

04 Can I use this to manage multiple locations?

Yes, you can use the occupancy trends tool to compare usage across multiple different campgrounds.

05 Do I need to host this myself?

No, Vinkius hosts and manages the MCP for you, so it is ready to use immediately after connection.

06 How is the occupancy rate calculated?

The occupancy rate is the number of occupied sites divided by the total capacity (occupied plus available sites), expressed as a percentage.

07 Can I check if a specific number of sites are available?

Yes, you can use the `validate\_site\_availability` tool to check if a campground has enough vacant sites to meet your request.

08 How do I see trends across multiple campgrounds?

You can use `get\_occupancy\_trends` to retrieve a list of campgrounds and their current occupancy status.

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>"camp-occupancy-rate": { "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

Camp Occupancy Rate 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

Generated	September 2026
MCP Server	Camp Occupancy Rate MCP
Server ID	01a0ccf7-82bb-7010-9be9-e0b5b90e3053
Platform	Vinkius Cloud for AI Agents
Endpoint	https://edge.vinkius.com/{token}/mcp

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