

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

Cleaning Time Scheduler MCP

Map cleaning tasks to available time blocks automatically.

Cleaning Time Scheduler MCP manages your cleaning workflows by matching tasks to available time windows. It accounts for room requirements, task priority, and due dates to build a logical schedule. You can use it to find missed deadlines, check if you have enough staff capacity, or see how much time is being spent in specific rooms.

A+ Quality Score 100/100

cleaning

scheduling

optimization

workflow

management



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.

Cleaning Time Scheduler MCP

4 tools available

Cloud-hosted on Vinkius

You can stop manually guessing how to fit cleaning tasks into a shift. This MCP acts as a scheduling engine that takes your list of tasks and your available time blocks to create a functional plan. It looks at how often a room needs cleaning, how much time a job takes, and how urgent the task is to decide where everything goes.

Instead of staring at a spreadsheet, you can ask your AI client to build the schedule for you. If you're worried about missing a critical deep clean, the MCP identifies those overdue items immediately. You can also check if your current time blocks are actually enough to cover the workload or if you're overcommitting your team. It gives you a clear view of room utilization so you know exactly where your labor hours are going.

Core Capabilities

01 — Automated Scheduling

Your agent uses this to map tasks to time windows based on priority and room needs.

02 — Workload Analysis

The AI checks if your available time blocks can actually handle the assigned tasks.

03 — Room Tracking

Your agent calculates how much time is being spent in specific areas like the lobby or kitchen.

04 — Deadline Monitoring

The AI identifies tasks that have passed their due dates to prevent missed cleanings.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/cleaning-time-scheduler — connect your AI agent in three steps.

- 01 Connect the MCP to your preferred client like Claude or Cursor via Vinkius.
- 02 Provide your list of cleaning tasks and available time windows to your agent.
- 03 Ask the agent to generate a schedule or analyze specific data points.
- 04 Review the resulting plans, reports, or capacity metrics provided by the AI.

You connect the MCP to your AI client and start managing workflows through natural language.

Built For

This MCP is built for people managing facility maintenance and cleaning crews.

Facility Managers

Hand off task lists and time blocks to the AI to generate daily shift plans.

Janitorial Supervisors

Use the AI to check room utilization and ensure all areas are being serviced.

Operations Coordinators

Ask the AI to run capacity checks to see if more staff or time is needed.

What Changes When You Connect

- 01 Matches tasks to time blocks using priority and room requirements.
- 02 Identifies missed deadlines through automated overdue reporting.
- 03 Calculates room-specific workloads to prevent uneven task distribution.

04 Compares workload against available time to find capacity gaps.

Real-World Applications

Daily Shift Planning

Input your morning time blocks and task list to get a structured cleaning schedule.

Staffing Adjustments

Run a capacity analysis to decide if you need to add more hours to a shift.

Audit Readiness

Use the overdue report to ensure all critical cleanings were completed on time.

Resource Allocation

Check room utilization to see if certain areas are consuming too much labor time.

Patterns to Avoid

Manual scheduling guesswork

❌ AVOID

You try to eyeball a spreadsheet to see if your morning crew can finish all the lobby and kitchen tasks before lunch.

✓ INSTEAD

Let your agent build the full timeline for you using `get_scheduled_plan` to ensure all tasks fit within your available windows.

Ignoring labor imbalances

❌ AVOID

You assign the same amount of time to every room without checking if the kitchen actually needs more work than the lobby.

✓ INSTEAD

Use `get_room_utilization` to see exactly how much time is being spent in specific areas so you can balance the workload.

Reactive deadline management

❌ AVOID

You only realize a deep clean was missed when a client or inspector complains about the condition of a room.

✓ INSTEAD

Run `get_overdue_report` to catch missed cleanings immediately before they become operational problems.

The Right Fit

Facility managers and janitorial supervisors should connect this MCP if they struggle to balance task lists against actual staff hours. If you already have a perfect, automated scheduling system that requires zero manual adjustment, you don't need this. The deciding factor is whether your current planning relies on manual estimation rather than capacity data.

Cleaning Time Scheduler Tools

These tools handle everything from generating daily shift timelines to auditing room-specific labor usage and missed deadlines.

#	TOOL	DESCRIPTION
01	get_capacity_analysis	Evaluates how well your available time blocks match the actual workload. It tells you if your scheduled time is sufficient for the tasks at hand.
02	get_overdue_report	Provides a focused list of tasks that missed their deadlines. It helps you catch missed cleanings before they become bigger issues.
03	get_room_utilization	Analyzes how much cleaning time is assigned to specific rooms. Use this to see if one area is getting too much or too little attention.
04	get_scheduled_plan	Generates a complete cleaning schedule and flags any operational gaps. It builds the full timeline based on your tasks and available windows.

See It in Action

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

- U** Generate a cleaning schedule for these tasks: [{'room': 'Lobby', 'duration': 60, 'frequency': 'Daily', 'due_date': '2023-10-27', 'priority': 'Critical'}] with time blocks: [{'start': '2023-10-27T08:00:00', 'end': '2023-10-27T10:00:00'}].



The Lobby cleaning task has been scheduled from 08:00 to 09:00. There are 60 unscheduled minutes remaining in the time block.

- U** What is the utilization of the Kitchen room based on the scheduled tasks?



The Kitchen has been allocated a total of 120 minutes of cleaning time.

- U** Check if we have enough capacity for our current cleaning workload.



The current capacity ratio is 0.75, meaning 75% of available time is utilized. No bottleneck rooms were identified.

Frequently Asked Questions

01 How does this MCP handle task priority?

The scheduling engine uses the priority level assigned to each task to decide its placement within the available time blocks.

02 Can I see which rooms are being cleaned most often?

Yes, you can use the room utilization tool to see exactly how much time is being allocated to specific rooms.

03 What happens if I don't have enough time for all tasks?

The capacity analysis tool will evaluate your workload against your time blocks to show you if you have enough capacity.

04 Which AI clients can I use with this MCP?

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

05 How do I find out if a cleaning task was missed?

You can run the overdue report to get a focused view of all tasks that missed their scheduled deadlines.

06 How does the scheduling priority work?

Tasks are prioritized based on their assigned level (Critical, High, Medium, Low). Higher priority tasks are assigned to available time blocks first to ensure essential maintenance is completed.

07 Can I identify which rooms are causing scheduling bottlenecks?

Yes, you can use ``get_capacity_analysis`` to identify bottleneck rooms where the required cleaning duration exceeds the available time blocks.

08 How do I see tasks that were not completed on time?

You can use ``get_overdue_report`` to get a list of tasks that missed their due dates and were not included in the scheduled plan.

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>"cleaning-time-scheduler": { "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

Cleaning Time Scheduler 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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