

MCP SERVER

NO CODE

CLOUD HOSTED

# 7shifts Staffing MCP for AI Agents

## Automate Restaurant Scheduling and Workforce Management

The 7shifts MCP manages all restaurant workforce logistics. Connect your AI agent to instantly handle scheduling, staff profile creation, and time-off management across multiple locations. From checking who's available next week to auditing clock-in data for payroll, this MCP gives you full control over your team's operations using natural conversation.

**F** Quality Score 3.6/100

workforce-management

employee-scheduling

restaurant-ops

time-off-tracking

staff-management

shift-planning



# The infrastructure that powers AI agents in the real world.



Vinkius connects AI to the world's software through secure, enterprise-grade infrastructure — enabling real-world execution at scale, built on the Model Context Protocol (MCP).

# Your AI Connections Run Through Vinkius Cloud

The world's largest  
managed MCP catalog

Vinkius is the cloud infrastructure where AI agents connect 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

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## 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

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## 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

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## 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](https://cloud.vinkius.com) — connect your AI agent in under 60 seconds.

# 7shifts MCP

6 tools available

Cloud-hosted on Vinkius

Managing a restaurant workforce is complex; it's never just about scheduling shifts. This connector lets your AI agent handle the entire staffing lifecycle through simple chat commands. Need to build next week's schedule? Tell your agent which departments need coverage and when, and it will create the shifts. Has an employee submitted time-off? Your agent can check pending requests or even process approvals. You'll also keep track of who works where, managing all your department roles and locations in one place. If you use Vinkius, you get access to this 7shifts MCP alongside thousands of other business tools, letting your AI agent handle operations across many systems without needing dozens of separate logins.

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## Core Capabilities

### 01 — Manage Staff Records

You can retrieve a full list of employees or quickly create brand-new staff profiles with contact details.

### 03 — Audit Time Off Requests

Check for all employee leave requests—both pending approvals and already approved dates.

### 05 — Review Labor Data

Access time punch data to monitor clock-in/out patterns for accurate payroll verification.

### 02 — Create and Modify Schedules

Assign new work shifts to specific employees at set locations, handling the time slot assignment in minutes.

### 04 — Track Location Details

See every department, role, and physical location configured within your 7shifts account.

# One Click on Vinkius — From Prompt to Execution

Available at [vinkius.com/mcp/7shifts](https://vinkius.com/mcp/7shifts) — connect your AI agent in three steps.

- 01 First, subscribe to this MCP and provide your 7shifts API Key credentials.
- 02 Next, connect this key to your preferred AI client (Claude, Cursor, etc.).
- 03 Finally, ask your agent specific questions—like 'List all staff at the downtown location' or 'Create a shift for Sarah next Tuesday.' — and get instant results.

The bottom line is that instead of navigating multiple screens in 7shifts, you just talk to your AI client.

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## Built For

This MCP is for anyone whose job involves coordinating people and time. It's built for restaurant managers who spend hours manually moving shifts on spreadsheets, or HR staff who get overwhelmed auditing complex leave requests across multiple sites.

### Restaurant Manager

You use this MCP to build weekly schedules and handle last-minute staffing changes without opening a single spreadsheet.

### Business Owner

You monitor overall labor costs and employee attendance across all your company's locations from one central chat interface.

### HR Coordinator

You manage employee records, create new staff profiles, and handle time-off requests efficiently in bulk.

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## What Changes When You Connect

- 01 Stop manual scheduling errors. Use the `create_shift` tool to instantly assign new shifts based on required dates, saving you hours of spreadsheet work.

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- 02 Maintain accurate employee records. The agent handles both listing all staff via `list_employees` and creating new profiles with just a name and email.

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  - 03 Keep HR compliant by auditing time-off requests. Check status using `list_time_off` to instantly see who is approved or pending leave across departments.

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  - 04 Gain full oversight of your business. Use `list_locations` to get a quick overview of every department, role, and site you manage.

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  - 05 Verify payroll accuracy. Access time punch data through the agent's labor tracking capabilities for reliable clock-in/out monitoring.
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## Real-World Applications

### **A staff member quit last minute.**

The manager asks: 'What shifts need to be covered next week?' The agent runs through `list_shifts` and identifies all open slots, allowing the manager to quickly assign temporary coverage using `create_shift`.

### **I need to onboard three new employees.**

Instead of clicking through forms, the HR coordinator simply asks: 'Add John Doe and Jane Smith.' The agent uses `create_employee` for each person, quickly building out their profiles.

### **We opened a new branch.**

The operations lead asks: 'List everything for the new location.' The agent uses `list_locations`, providing not only the address but also all associated departments and roles configured in 7shifts.

### **Staff are complaining about leave tracking.**

The manager prompts: 'Check all time off requests for December.' The agent runs `list_time_off`, providing a clear breakdown of who needs approval and when the dates fall.

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## Patterns to Avoid

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### Trying to guess staff availability.

#### X AVOID

Asking 'Are there shifts available next week?' without specifying location or department, which results in vague, unhelpful data dumps that require manual filtering and follow-up questions.

#### ✓ INSTEAD

Instead, ask the agent to run `list\_shifts` while providing a specific date range and location ID. This gives you structured data for immediate decision-making.

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### Manually updating staff records.

#### X AVOID

Having to copy an employee's name and email from one system into 7shifts, risking typos or missing critical contact information entirely.

#### ✓ INSTEAD

Just tell the agent: 'Create a new profile for Michael Scott.' It handles the `create\_employee` function accurately, building the record instantly.

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### Ignoring location context.

#### X AVOID

Creating shifts without confirming if the location ID is correct, leading to assigning work to an old or inactive department site, which payroll will reject.

#### ✓ INSTEAD

Always ask the agent to run `list\_locations` first. Then use that confirmed information when you execute the `create\_shift` function.

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## The Right Fit

Use this MCP if your primary pain points revolve around coordinating human resources, shift changes, or multi-site staff management within a restaurant environment. You need to automate repetitive data retrieval and creation tasks, like listing employees ( `list_employees` ) or creating shifts ( `create_shift` ). Don't use it if your main goal is inventory tracking or point-of-sale reporting; for that, you'll need a dedicated POS MCP. If all you need is simple employee messaging, an internal chat tool will suffice. But if the problem is complex scheduling and compliance across multiple locations, this 7shifts MCP is what you need.

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## Managing Staff Schedules with 7shifts: Beyond Spreadsheets

Right now, building a weekly schedule means jumping between the physical schedule board, checking employee availability via email chains, and then manually updating dozens of rows in an Excel workbook. You spend hours just aggregating data; it's high-friction, error-prone work that rarely ends by lunchtime.

With this MCP, you simply tell your agent what needs to happen. 'We need three servers at the West End location next Tuesday.' The system handles all the checks and populates the necessary shift assignments instantly. You get accurate shifts assigned in seconds.

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## 7shifts Time-Off Tracking: Simplifying HR Compliance

Manually tracking time off is a mess. You're hunting through email threads, looking for 'PTO request,' cross-referencing dates with department rules, and then emailing back to confirm approval status. It's slow, disorganized work that makes HR feel like an archaeological dig.

The agent consolidates all this data for you. Ask it to check time off requests, and it gives you a single, organized list of approvals and pending items. You immediately know who can't work and when.

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## 6 Workforce Management Tools for 7shifts Scheduling

Use these tools to manage employee records, assign shifts, audit leave requests, and organize every detail of your restaurant staff roster.

#	TOOL	DESCRIPTION
01	<code>list_employees</code>	Pulls a complete list of every active staff member registered in your 7shifts account.
02	<code>create_employee</code>	Adds a new staff profile to 7shifts, requiring only the person's name and email address.
03	<code>list_shifts</code>	Retrieves all scheduled work shifts, letting you filter results by date or specific location.
04	<code>create_shift</code>	Assigns a new shift to an employee, specifying the user ID, location ID, and precise start/end times.
05	<code>list_time_off</code>	Retrieves a summary of all time-off requests that are either pending or already approved by staff.
06	<code>list_locations</code>	Shows all physical locations, departments, and job roles configured within your entire 7shifts account.

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# See It in Action

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

**U** I need the full roster of staff at the Downtown location.



## Staff Roster: Downtown Branch

- 🧑 **Jessica Chen** (Manager): 5 years. Email: jchen@example.com.
- 🧑 **Marcus Jones** (Chef): 3 years. Contact: (555) 123-4567.
- 🧑 **Sarah Miller** (Server): 1 year. Status: Active

You have 18 active staff members here, including hosts and bussers.

**U** What's going on with PTO next month?



## Time Off Status Check

- 🔍 Found **4** pending requests:
- Elena Rodriguez: Dec 22 - Dec 24 (3 days)
  - David Kim: Jan 1 - Jan 3 (3 days)
  - Marcus Jones: Nov 15 (1 day)

Would you like to approve any of these now?

**U** Can we schedule a new shift for David next Friday?



## Shift Assignment Successful

- 📅 **Date:** November 24th, 2023
- 🕒 **Time:** 11:00 AM - 7:00 PM (8 hours)
- 📍 **Location:** Downtown Branch
- ✅ David Kim has been notified of the new shift via the app. Let me know if you need to adjust anything.

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# Frequently Asked Questions

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## 01 How does 7shifts MCP help with scheduling conflicts?

The MCP helps by giving your agent a single source of truth for all shifts. You can ask it to list current schedules and cross-reference employee availability, so you don't accidentally double-book staff or schedule them when they are already on time off.

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## 02 Is 7shifts MCP better than just using the website interface?

Yes. Instead of clicking through multiple menus in the website, this MCP lets you talk to your AI client. You ask a natural language question—like 'Add shifts for next week'—and it executes complex tasks immediately.

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## 03 Can I use 7shifts MCP to manage different store locations?

Absolutely. The tool can retrieve and organize data from all your defined locations, departments, and roles within 7shifts. You treat them all as one system through natural conversation.

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## 04 What if I need to add a brand new employee profile?

You just tell the agent their name and email address. It handles creating the full staff record in 7shifts for you, so you don't have to log into the platform manually.

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## 05 Does 7shifts MCP help with payroll prep?

It helps by providing access to time punch data. You can ask your agent to monitor clock-in and clock-out patterns, giving you reliable records needed for accurate labor cost checks.

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## 06 Are there limits when using 7shifts MCP with my AI client?

The MCP provides direct access to the tools in your account. It handles tasks like listing time off or creating shifts directly through the official API connection, so you are always working with real-time data.







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# Go Live in 60 Seconds

Get your connection token from [cloud.vinkius.com](https://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
 <b>Claude AI</b>	Profile → Customize → Connectors → "+" → Add custom connector → Paste endpoint
 <b>Cursor</b>	Settings → Features → MCP Servers → "+ Add New MCP Server" → Type: SSE → Paste endpoint
 <b>VS Code</b>	Ctrl/Cmd+Shift+P → "MCP: Add Server" → add <code>"7shifts": { "url": "..." }</code>
 <b>Windsurf</b>	MCP Settings → <code>mcp_settings.json</code> → Add endpoint URL
 <b>ChatGPT</b>	Settings → Tools & plugins → Add MCP server → Paste endpoint
 <b>Gemini</b>	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

# 7shifts 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](https://cloud.vinkius.com) →

[vinkius.com](https://vinkius.com) · [support@vinkius.com](mailto:support@vinkius.com)

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