

MCP SERVER

NO CODE

CLOUD HOSTED

SmartHR MCP

Query your entire HR database via conversation.

SmartHR connects your organization's sensitive employee database directly to any AI client. You can query roster details, organizational structure, payroll records, and even dependent information using plain language. It lets you access deep HR data without ever switching tabs or logging into the SmartHR portal.

A+ Quality Score 100/100

employee-management

payroll

organizational-chart

labor-management

hr-compliance



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.

SmartHR MCP

8 tools available

Cloud-hosted on Vinkius

Your AI agent interacts with your company's human capital records through natural conversation. Instead of navigating complex web portals just to find out a department structure or someone's employment type, you ask the question and get the answer instantly. This MCP reads your internal database directly.

Whether you need an overview of all employees, want to check payroll histories, or track specific job roles across multiple locations, everything is accessible from one place. It takes the friction out of managing sensitive organizational data, letting you focus on the insights rather than the clicks. Vinkius hosts this catalog so your AI agent can access powerful tools like this without needing dozens of separate subscriptions.

It's designed for deep querying: check employee rosters using `list_crews` to get a full headcount, or use `list_departments` and `list_positions` together if you need to map out internal hierarchies. You'll find it significantly faster than any manual process.

Core Capabilities

01 — Get a complete roster of all employees

Retrieves the full list of current staff members along with their basic metadata.

02 — Map out the company's internal structure

Lists all official departments and job positions, helping you understand how roles fit together organizationally.

03 — View sensitive employee records

Fetches detailed information about a specific person, including their employment status or registered dependents.

04 — Audit compensation and payroll data

Securely queries both active and historical payroll ledgers for compliance checks and reporting.

05 — Determine physical office locations

Provides a list of all registered business establishments or branch offices the company operates.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/smarthr — connect your AI agent in three steps.

- 01** Subscribe to this MCP and provide your SmarTHR Access Token and Subdomain credentials.
- 02** Connect your preferred AI client (like Claude, Cursor, etc.) to the Vinkius catalog via the MCP connection.
- 03** Ask your agent a natural language question; it uses the available tools to query your employee database and deliver the summarized answer.

The bottom line is you talk to your AI client like talking to an HR partner, and it pulls data straight from SmarTHR without any manual steps on your end.

Built For

This MCP is for anyone who deals with internal company structure or employee records regularly. It's perfect for the HR manager tired of switching between payroll sheets and org charts, or the department lead needing quick access to job role counts across multiple sites.

HR Manager

Auditing compensation using `list_payrolls` or checking an employee's dependents via `list_crew_dependents` in a single chat session.

Department Lead

Requesting the agent to fetch a list of active job positions using `list_positions` and cross-referencing them with current team members.

IT Security Analyst

Checking office locations using `list_establishments` or verifying which departments are housed in specific buildings.

What Changes When You Connect

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- 01** Stop switching tabs. Instead of clicking through multiple screens to find out who reports to whom, ask the agent directly for organizational structure details by listing departments and positions.

 - 02** Audit payroll records instantly. You can use `list_payrolls` to check historical compensation data without having to export a file or query the finance system manually.

 - 03** Get deep employee context fast. Need to know about an individual? The `get_crew_details` tool pulls all primary information, including dependents listed by `list_crew_dependents`, in one go.

 - 04** Map your company footprint easily. Use `list_establishments` if you need to confirm which office locations are active or how many branches the business has set up.

 - 05** Handle compliance checks better. By accessing both `list_employment_types` and `get_crew_details`, you can verify employee status alongside their basic profile data.
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Real-World Applications

Auditing a team's compensation

The HR Manager needs to check if all employees in the Sales department are on the correct pay scale. They ask the agent to cross-reference `list_departments`, `list_positions`, and then query `list_payrolls` for anomalies.

Onboarding a new team member

A Department Lead asks the AI agent who reports into their newly created division. The agent uses `list_positions` to confirm the role exists and then pulls relevant crew data using `list_crews` for immediate visibility.

Checking compliance for international staff

A Security Team member needs to know if an employee has registered dependents while also checking if that employee lives at a specific branch. They query `get_crew_details` and `list_establishments` together.

Patterns to Avoid

Manual web navigation

X AVOID

The user opens the SmartHR dashboard, clicks on 'Employees,' then filters by 'Department A.' Next, they click 'Payroll' and manually search for names. It takes 15 clicks.

✓ INSTEAD

Just ask your agent: 'List all employees in Department A and show their payroll status.' The MCP runs the necessary checks using `list_crews`, `list_departments`, and `list_payrolls` automatically.

Using outdated tools

X AVOID

Trying to guess if an employee is full-time or contractor just by looking at their profile description. These descriptions aren't standardized.

✓ INSTEAD

Use the `list_employment_types` tool first. Then, ask your agent to retrieve specific details using `get_crew_details` and filter by the correct employment type.

The Right Fit

You should use this MCP if your primary need is data retrieval from internal HR systems. If you need to know 'who,' 'what department,' or 'how much money' related to an employee, this is your tool. Don't use it if you need to *change* records—this MCP can only read and report on existing data. For instance, if the goal is to submit a new expense claim or hire someone, you need a different application that allows write access. This MCP is purely for reading organizational truth.

Dealing with siloed HR information is exhausting.

Right now, finding basic employee data means opening the SmartHR portal, navigating through departments, and clicking into individual profiles. If you need a report on all contract workers in the London office who started last quarter, you end up jumping between roster views, position lists, payroll ledgers, and establishment maps. You're spending more time managing tabs than analyzing data.

With this MCP connected through Vinkius, that process disappears. Instead of 15 clicks across four different screens, you simply ask your AI agent: 'Show me all contract workers in the London office who started last quarter.' It combines `list_establishments`, `list_employment_types`, and `list_crews` instantly, giving you a clean answer.

The SmartHR MCP gives you instant access to full employee records.

Manual auditing used to require running separate reports for payroll (`list_payrolls`) and dependents (`list_crew_dependents`), which often showed conflicting or incomplete data. You'd spend hours cross-checking IDs just to piece together a picture of an employee's whole situation.

Now, you ask your agent to pull the full profile. It handles combining `get_crew_details` with `list_crew_dependents` automatically, giving you one single source of truth without needing to run multiple reports or manually match records.

SmartHR MCP with 8 Tools

Use these tools to gather everything from department lists and job roles to detailed personnel profiles and current payroll records.

#	TOOL	DESCRIPTION
01	<code>list_crews</code>	Retrieves a full roster of all current employees in the system.
02	<code>get_crew_details</code>	Pulls comprehensive data for one specific employee using their internal ID.
03	<code>list_departments</code>	Lists every organizational department defined within the company structure.
04	<code>list_positions</code>	Provides a list of all official job titles or roles available in the organization.
05	<code>list_employment_types</code>	Shows all recognized employment statuses (e.g., full-time, contract).
06	<code>list_payrolls</code>	Generates a list of recorded payroll records for various employees.
07	<code>list_establishments</code>	Lists all registered business locations or office branches the company operates.
08	<code>list_crew_dependents</code>	Fetches details about dependents linked to a specific employee profile.

See It in Action

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

U Fetch the entire roster and list the top 3 job positions that occur most frequently.



I've fetched the crew and positions. Out of 150 current employees, the top 3 most common job positions in your organization are:

1. Entry-Level Developer (42 members)
2. QA Specialist (18 members)
3. Account Executive (15 members)

U Retrieve the details for crew member `crew-8f192`, including their enrolled dependents.



Here's the SmartHR profile for Crew `crew-8f192` :

- **Name:** Yuto Tanaka
- **Department:** Engineering Div.
- **Employment Type:** Full-Time Employee

Dependents Listed:

- 1 Registered Dependent (Spouse). ID: `dep-43X`

U List all physical establishments the company operates.



From the endpoint results, your company operates 2 registered business establishments:

1. Tokyo Shibuya Headquarters (Est. Code: HQ-1)
2. Fukuoka Branch Office (Est. Code: FB-2)

Do you want me to map employees to these branches?

Frequently Asked Questions

01 Can I use SmartHR MCP to find out how many employees work at a specific branch?

Yes. You can combine `list_establishments` with `list_crews` by asking your agent for the employee count associated with a given location code.

02 Does SmartHR MCP show me salary information?

It shows payroll records using `list_payrolls`, which means you can audit compensation scaling and view historical pay data. However, it doesn't give general salary estimates.

03 How do I find out an employee's job role or title?

The MCP uses `list_positions` to show all official roles available in the company. You can then cross-reference this with `get_crew_details` for specific employees.

04 Is SmartHR MCP secure enough for sensitive payroll data?







Yes, it is designed to securely query your internal database through natural language interfaces, keeping the interaction within your controlled AI client environment.

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>"smarthr": { "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

SmartHR 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 · support@vinkius.com

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