

MCP SERVER

NO CODE

CLOUD HOSTED

Odoo HR MCP

Manage leaves, attendance, and staff data instantly.

Odoo HR MCP connects your AI agent directly to Odoo ERP's Human Resources module. Manage everything from tracking employee attendance and requesting time off to viewing departmental structure and reviewing expense reports—all without clicking through multiple tabs.

A+ Quality Score 100/100

employee-management

attendance-tracking

leave-management

expense-reporting

workforce-analytics

onboarding



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.

Odoo HR MCP

9 tools available

Cloud-hosted on Vinkius

Need to manage an entire business operation but hate switching between twenty different browser tabs? This MCP lets your AI client talk directly to Odoo HR. You can query the full employee directory, check who's clocked in right now, or quickly generate a list of open job positions. It handles complex workflows like submitting leave requests and tracking total worked hours based on attendance logs. Whether you need to find an individual contact, verify department headcounts, or review pending expense reports, your agent gets the answer instantly. Because Vinkius hosts this MCP, you connect once from any compatible client—Claude, Cursor, Windsurf, etc.—and get access to all of Odoo's HR tools through natural conversation flow.

Core Capabilities

01 — Manage Employee Records

Search for specific employees or list the entire workforce directory to retrieve contact details and job roles.

02 — Track Time and Leave Status

Access current attendance logs, check total worked hours, and submit formal requests for time off on behalf of an employee.

03 — View Organizational Structure

List all departments in the company, noting department managers, parent structures, and overall headcount.

04 — Process Financial/HR Reports

Review pending expense reports or list job positions and recruitment statuses for workforce planning.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/odoo-hr — connect your AI agent in three steps.

- 01** Tell your AI agent the HR task you need done, like 'Check Jane Doe's PTO balance.'
- 02** The MCP translates that request into specific Odoo functions (like listing leaves or searching employees) and runs them against your connected account.
- 03** Your agent receives a structured list of data—for example, confirming her current leave status and the dates it covers.

The bottom line is you talk to your AI client, and it handles all the necessary clicks inside Odoo for you.

Built For

HR Managers who are tired of digging through multiple modules just to get a basic headcount. Operations Leads who need real-time attendance data without logging into an internal dashboard. Any Account Manager whose job involves cross-referencing employee contact info with active sales orders.

HR Administrator

Running reports on department headcounts, listing all available leave types, or creating new formal time off requests for employees.

Operations Manager

Monitoring daily attendance records to see who clocked in and out, or reviewing pending expense report statuses across the team.

Account Executive

Quickly finding a client's contact details or checking if they have any open sales orders before a meeting.

What Changes When You Connect

- 01** Stop context switching. Instead of opening the Employee Directory, then the Leave module, and then the Attendance tracker, your agent handles all three steps in one prompt.

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- 02** Keep accurate records without manual entry. You can use `odoo_list_attendance` to see worked hours, and when you need to submit a request using `odoo_create_leave`, it follows the official approval workflow automatically.
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- 03** Get a full organizational picture instantly. Listing departments via `odoo_list_departments` gives you hierarchy details—who reports to whom and how many people are in each division.
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- 04** Streamline reporting tasks. You can pull together data from multiple sources, like listing jobs (`odoo_list_jobs`) and then checking which department that job belongs to (using `odoo_list_employees`).
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- 05** Cut through paperwork clutter. Reviewing expense reports using `odoo_list_expenses` means you see the status—Draft, Approved, or Refused—without needing to open individual forms.
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- 06** Never lose contact info again. Use `odoo_search_employees` to find any team member's email and job title in seconds.
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Real-World Applications

I need the current headcount for Q3 planning.

Instead of running reports on multiple dashboards, I ask my agent to list all employees using `odoo_list_employees`. It returns a clean data sheet with department and job title, letting me immediately calculate departmental totals.

A new department needs a budget allocated.

I ask my agent for an organizational overview. It calls `odoo_list_departments`, giving me the structure and manager names, which I can then use to estimate resource allocation.

The team needs to approve last month's time off.

I ask my agent about upcoming absences. It uses `odoo_list_leaves` to show all pending requests, allowing the manager to review who is out and when, without visiting the leave management module.

We're hiring for three new roles next month.

I need to know where we can hire. My agent runs `odoo_list_jobs`, showing me exactly how many open recruitments exist and which departments are currently active in the hiring pipeline.

Patterns to Avoid

Manually checking multiple tabs

X AVOID

An HR admin has to click into 'Employees' to find a manager, then switch to 'Leave Requests' to see if they are out, and finally open the 'Department Settings' page just to confirm the department name.

✓ INSTEAD

Just ask your agent. It uses `odoo_search_employees` for the contact info and combines it with `odoo_list_leaves` or `odoo_list_departments` data in one conversational response.

Listing tools individually

X AVOID

The agent runs `'odoo_list_attendance'` to see who worked, then separately calls `'odoo_search_employees'` just for a name. The user has to piece together the final answer.

✓ INSTEAD

Ask the agent a single question like, 'Show me Jane Doe's work status and her current department.' It combines the relevant tools into one seamless response.

X AVOID

✓ INSTEAD

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9 Tools Available

#	TOOL	DESCRIPTION
01	<code>odoo_create_leave</code>	Submit a formal time off request for an employee, which enters the standard approval workflow in Odoo.
02	<code>odoo_list_attendance</code>	Retrieve detailed records of who clocked in and out, showing total worked hours and attendance history.
03	<code>odoo_list_departments</code>	List all departments within the organization along with their managers, parent department structure, and staff count.
04	<code>odoo_list_employees</code>	Generate a full employee directory listing names, job titles, work emails, and departmental assignments for everyone.
05	<code>odoo_list_expenses</code>	List all employee expense reports, showing the total amount, date, and current approval status.
06	<code>odoo_list_jobs</code>	Check for open job positions across departments, viewing recruitment status and vacancy counts.
07	<code>odoo_list_leave_types</code>	List all available time off categories (like Sick Leave or Paid Time Off) configured in the HR system.
08	<code>odoo_list_leaves</code>	Retrieve records of all leave requests, showing who is out, the dates covered, and the current approval status.
09	<code>odoo_search_employees</code>	Find a specific employee by name to quickly get their department, job title, and manager details.

See It in Action

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

U Search for leads from the website



CRM Leads — Website

NAME	EMAIL	STAGE	REVENUE
Acme Corp	info@acme.com	Qualification	\$15,000
Beta Inc	hello@beta.io	Proposition	\$8,500

U Show recent sales orders



Sales Orders

SO#	CUSTOMER	AMOUNT	STATUS
S00042	Acme Corp	\$12,500	Confirmed
S00041	Beta Inc	\$3,200	Draft

Frequently Asked Questions

01 Which Odoo versions are supported?

This server uses the JSON-RPC protocol, which is compatible with Odoo 14, 15, 16, 17, and 18. Both Odoo Community and Enterprise editions are supported.

02 Does it work with Odoo.com (SaaS)?

Yes! Works with both Odoo.com hosted instances and self-hosted Odoo servers. Just provide your instance URL and API key.

03 How do I generate an API Key?

Go to Settings → Users → select your user → API Keys tab → New API Key. Give it a descriptive name and copy the generated key.

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 `"odoo-hr": { "url": "..." }`



Windsurf

MCP Settings → `mcp_settings.json` → 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

Odoo HR 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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