

MCP SERVER

NO CODE

CLOUD HOSTED

13th Month Salary Provision Calculator MCP for AI Agents

Accurately Calculating Payroll Liabilities and Accrual Provisions

The 13th Month Salary Provision Calculator manages complex payroll accounting by calculating mandatory 13th-month salary accruals. It tracks monthly breakdowns of base pay and associated employer taxes, giving you a clear view of cumulative liabilities for specific employees or the entire company.

A+ Quality Score 100/100

salary

accrual

provision

taxes

liability

payroll-management



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

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.

13th Month Salary Provision Calculator MCP

3 tools available
Cloud-hosted on Vinkius

Managing annual provisions like 13th-month salaries is messy work. You need to know exactly how much money needs to be set aside every single month to cover future payroll obligations and mandated employer taxes. This MCP handles that complex math, calculating base salary accruals (the required portion each month) along with the associated company burden for specific staff members.

Instead of juggling multiple spreadsheets or running separate reports across different systems, you get a unified view of your financial exposure. You can monitor individual employee debt year-to-date and see the total liability across all active staff at once. If you use Vinkius to connect this MCP, your AI client brings this specialized accounting power directly into your workflow. It's designed for quick, accurate reporting so finance teams aren't scrambling during month-end close.

Core Capabilities

01 — Calculate total year-to-date liability per employee

Determine the exact amount provisioned for a single staff member since the start of the fiscal year.

02 — Detail monthly accrual costs for one employee

Get a granular breakdown of a specific employee's financial obligation, separating base salary from employer taxes for any given month.

03 — View total company-wide payroll exposure

Access a high-level summary showing the aggregate accumulated liability across every active staff member in the organization.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/13th-month-salary-provision-calculator — connect your AI agent in three steps.

- 01 Specify the financial scope you need to check, whether it's for one employee, a single month, or the entire company.
- 02 Run the required calculation through your AI client. The MCP engine processes payroll rules and tax rates against the provided employee data.
- 03 Receive structured outputs that detail base accruals, employer taxes, and the resulting cumulative liability amount.

The bottom line is you get accurate financial figures needed for compliance reporting without leaving your AI client interface.

Built For

Payroll Managers, HR Directors, and Accountants use this MCP to nail down required provisions. If month-end accounting or year-end salary planning causes stress, you need this tool. It cuts through the guesswork of compliance reporting.

Payroll Manager

Runs monthly checks to ensure that base salaries and employer taxes are being accurately accrued and provisioned for all staff members.

HR Director

Uses the total company financial exposure summary to model budgets and plan for future compliance requirements across departments.

Accountant

Verifies individual employee liabilities year-to-date, reconciling payroll records with general ledger accounts before closing books.

What Changes When You Connect

-
- 01 Get a full company-wide financial picture instantly. Instead of manually summing up payroll data, use `get_company_financial_exposure` to see the total accrued liability across all staff.

 - 02 Stop guessing on individual employee costs. Use `get_employee_liability_summary` to track how much has been set aside for one person year-to-date.

 - 03 Know exactly where every dollar goes. The `get_monthly_accrual_breakdown` tool separates base salary portions from employer tax burdens, providing a detailed cost analysis for any given month.

 - 04 Cut down on closing time stress. By automating the calculation of mandatory provisions, your team spends less time reconciling spreadsheets and more time acting on data.

 - 05 Ensure compliance with local payroll laws. The MCP calculates required accruals automatically, minimizing the risk of under-provisioning mandated employee payments.
-

Real-World Applications

Budgeting for a New Fiscal Year

The finance team needs to know if they can afford all current payroll provisions. They ask their agent, and it uses `get_company_financial_exposure` to show the total liability amount across all departments, allowing them to adjust budgets immediately.

Mid-Year Compensation Review

The HR Director is reviewing an employee's total cost. They ask about a specific staff member and use `get_employee_liability_summary` to see the cumulative provisioned amount from January up until today, ensuring correct budget forecasting.

Payroll Audit Preparation

The accountant needs proof of accurate monthly payments for an internal audit. They ask for a breakdown using `get_monthly_accrual_breakdown` for employee EMP001 for May, receiving a detailed cost split between base pay and taxes.

Department Head Budget Check

A department head needs to see the total payroll burden associated with their team. They ask the agent to pull the aggregated data via `get_company_financial_exposure`, confirming the budget holds up before Q4 begins.

Patterns to Avoid

Using basic spreadsheets for accruals

X AVOID

Trying to calculate cumulative liability by manually summing monthly payroll sheets. This ignores mandatory employer tax changes and can easily miscalculate the year-to-date total.

✓ INSTEAD

Use `get_company_financial_exposure`. This tool automatically tracks all necessary components, giving you a single source of truth for company-wide financial exposure.

Focusing only on gross salary

X AVOID

Only calculating the base salary portion without adding the employer tax burden. This leads to underestimating the actual total company cost.

✓ INSTEAD

Always use `get_monthly_accrual_breakdown`. It ensures you capture both the employee's base accruals and the associated mandatory employer taxes for a complete financial picture.

Ignoring individual liability tracking

X AVOID

Running a general company report without checking if specific high-earning employees are fully provisioned. This leaves gaps in accountability.

✓ INSTEAD

Check the status of every key employee using `get_employee_liability_summary` to confirm their total accumulated financial provisioning is accurate year-to-date.

The Right Fit

Use this MCP if your primary need is calculating and tracking mandated 13th-month salary provisions, employer tax burdens, or cumulative payroll liabilities. You should use it whenever you are reconciling general ledger accounts against required annual employee payouts.

Don't use this if you just need to track simple timesheets, manage expense reports, or handle basic benefits enrollment changes. For those tasks, a dedicated HRIS tool is better. If you only need to see the raw salary number without any tax or accrual math, you don't need this complexity; you need a simpler payroll data retrieval MCP instead.

Managing 13th Month Provisions with the Salary Provision Calculator

Right now, calculating provisions for required annual paydays is a nightmare of manual work. You're pulling reports from HRIS systems, exporting them to Excel, and then spending hours cross-referencing base salaries against varying tax rates and accrual schedules just to get a rough estimate of liability.

With this MCP, you simply ask your agent for the total company exposure. It handles all the complex math, giving you an immediate, accurate number that accounts for every employee's unique history and current fiscal standing.

Calculating Individual Employee Liability Using the Salary Provision Calculator

The worst part is checking individual employees. You have to pull separate reports, manually calculate how much has been paid versus what should have been provisioned by date, and then try to reconcile those figures across multiple sheets.

Now, you ask your agent for an employee's year-to-date liability. It delivers the final number instantly, showing exactly what base accruals and taxes contribute, letting you trust the data immediately.

13th Month Salary Provision Calculator: 3 Tools for Payroll Accounting

Use these tools to calculate total company liability, review individual employee accounts, and get detailed monthly cost breakdowns for payroll provisions.

#	TOOL	DESCRIPTION
01	<code>get_employee_liability_summary</code>	Checks the total money provisioned for a specific employee from January 1st to today's date.
02	<code>get_monthly_accrual_breakdown</code>	Provides a detailed cost analysis of a single employee's financial obligation for any given month.
03	<code>get_company_financial_exposure</code>	Gives a high-level, aggregate view of the total accumulated liability across every active staff member.

See It in Action

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

U What is our total accumulated financial obligation across all 50 staff members right now?



Company Financial Exposure Report

- Total Active Employees: 50
*Current Total Provisioned Liability: **\$1,254,000.00***
- Breakdown:
 - * Base Salary Accruals: \$1,150,000.00 (88%)
 - * Employer Tax Burden: \$104,000.00 (12%)

This figure is accurate as of today and represents the total funds set aside for 13th-month provisions.

U Show me the full cost breakdown for employee EMP900 this month.



Employee Financial Breakdown: EMP900 (Month 6)

COMPONENT	AMOUNT
Base Salary Accrual	\$1,500.00
Employer Tax Burden	\$375.00
Total Monthly Cost	\$1,875.00

The total cost for EMP900 in month 6 is \$1,875.00.

U How much money has been set aside for employee EMP002 since the year started?



Employee Liability Summary: EMP002

*Total Year-to-Date Liability: **\$3,450.00***

- Base Accruals (YTD): \$3,000.00
- Employer Taxes (YTD): \$450.00

This cumulative liability figure helps you track total compliance spending.

Frequently Asked Questions

01 How does the 13th Month Salary Provision Calculator help with year-end accounting?

It gives you a precise, single number for your total accrued liability across all staff. Instead of guessing or summarizing multiple reports, you get the accurate financial exposure needed to close out books correctly.

02 Can this MCP track individual employee liabilities year-to-date?

Yes. You can run a check on any specific staff member to see their total accumulated provisioned money since the start of the fiscal year, giving you clear accountability for that person's liability.

03 What kind of breakdown does the 13th Month Salary Provision Calculator provide?

It gives a full cost breakdown, separating the base salary accrual from the associated employer taxes. This detail is crucial for accurate accounting and tax compliance reporting.

04 Is this MCP better than using an internal payroll system?

This MCP complements your internal systems by providing a clean, easily callable API layer. It allows your AI agent to pull the final liability numbers without needing deep integration into every single module of your HRIS.

05 Does the 13th Month Salary Provision Calculator handle tax changes?







Yes. The tool accounts for both base salary accruals and mandatory employer taxes, making sure that changes in required provisions are captured accurately in the liability calculation.

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>"13th-month-salary-provision-calculator": { "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

13th Month Salary Provision Calculator 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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