

MCP SERVER

NO CODE

CLOUD HOSTED

EU Social Contributions Calculator MCP

Find the true cost of hiring in any EU nation.

EU Social Contributions Calculator MCP estimates mandatory payroll taxes for five major European countries, including France, Germany, Spain, Italy, and Portugal. Determine the exact split of social security costs between employees and employers across categories like Health, Pension, and Unemployment with precision.

A+ Quality Score 100/100

social-security

europe

payroll-calc

taxes

contributions



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.

EU Social Contributions Calculator MCP

3 tools available

Cloud-hosted on Vinkius

This MCP gives you a precise way to calculate complex payroll taxes across Europe. When you need to know the true cost of hiring someone in different countries, this tool handles the heavy lifting. You can use it to determine exactly how much gets deducted from an employee versus what the employer contributes for key branches like Health and Pension. Need to compare costs? The MCP allows you to weigh the total social security overhead between two nations using a single query. It's built to take guesswork out of international HR planning, giving you accurate figures before you commit to a location. Accessing this functionality through Vinkius means connecting your preferred AI client to one of the most robust financial calculation tools available in the catalog.

Core Capabilities

01 – Break down employee and employer costs

Calculates the specific monetary split for all social security contributions between the worker and the company.

02 – Compare tax burdens across nations

Compares the total required social security overhead for a given salary in two different European countries.

03 – Retrieve country rate percentages

Gathers the raw percentage rates for every social security branch within a single, chosen country.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/eu-social-contributions-calculator — connect your AI agent in three steps.

- 01** Specify the details you need: either a salary and two countries for comparison, or a salary and one country for a detailed breakdown.
- 02** Your AI client sends this request to the MCP. The tool processes the current tax laws and rates for the specified nations and branches.
- 03** You receive an accurate calculation showing the total cost of employment in local currency, detailing both employee deductions and employer overhead.

The bottom line is you get immediate, verifiable payroll contribution estimates without manually consulting country-specific tax guidelines.

Built For

Global HR managers, international finance teams, and payroll specialists who spend too much time cross-referencing tax tables for multiple European jurisdictions.

International HR Manager

Uses this MCP to advise leadership on the true cost of opening a new office or hiring staff in countries like Germany versus Spain.

Payroll Specialist

Runs comparisons using the MCP when migrating payroll systems or verifying tax compliance for employees working across EU borders.

Finance Analyst

Determines budgetary requirements by comparing total social security overhead between potential operational hubs.

What Changes When You Connect

- 01** Know the exact split: The `calculate_contribution_breakdown` tool tells you precisely how much of a salary is deducted from the employee versus what the employer must pay into Health, Pension, and Unemployment funds.

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- 02 Compare nations instantly: Use `compare_tax_burden` to see if Spain's overhead burden is significantly different from Italy's for the same gross salary. No more spreadsheets.

 - 03 Audit quickly: The `get_country_rates` tool pulls all necessary percentage rates for a country, letting you verify current tax laws without searching through multiple government websites.

 - 04 Avoid overspending: By running these calculations before hiring, you ensure your budget accounts for the full social security overhead in any target market.

 - 05 Accuracy matters: This MCP handles complex European payroll rules, giving you reliable financial data that standard calculators miss.
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Real-World Applications

Opening a new office in Portugal

An HR manager needs to decide between Spain and Portugal. They ask their agent to use the `compare_tax_burden` tool for a \$5,000 salary. The MCP returns clear data showing which country has lower total social security costs, letting them proceed with confidence.

Researching market entry

A global consultant needs general tax data before advising a client. They run the `get_country_rates` tool on France to retrieve all raw percentage rates, providing their client with comprehensive foundational knowledge.

Verifying payroll compliance

A finance analyst needs to check the current contribution split for Germany. They use `calculate_contribution_breakdown` and get an immediate breakdown of Health, Pension, and Unemployment costs for a specific salary amount.

Patterns to Avoid

Assuming tax laws are consistent

X AVOID

Manually calculating a multi-national payroll using generalized formulas that treat all countries the same. This misses country-specific deductions.

✓ INSTEAD

Always use ``compare_tax_burden`` or ``calculate_contribution_breakdown``. These tools enforce specific, accurate European tax rules for each nation you specify.

Using outdated rate sheets

X AVOID

Relying on an old spreadsheet of social security percentages that doesn't reflect recent changes in German or Italian law.

✓ INSTEAD

Use ``get_country_rates``. This tool provides the most current raw percentage rates, ensuring your data is accurate for today's compliance needs.

Mixing up employee vs. employer costs

X AVOID

Only calculating the deduction from the worker's salary and ignoring the mandatory company overhead contribution.

✓ INSTEAD

Both ``calculate_contribution_breakdown`` and ``compare_tax_burden`` handle both sides of the equation, giving you the total cost to the business.

The Right Fit

Use this MCP if your primary need is detailed, verifiable social security tax comparison or calculation across specific European Union nations (France, Germany, Spain, Italy, Portugal). This tool excels when comparing complex payroll costs for multiple countries simultaneously. Don't use it if you only need to calculate general US payroll taxes; those require a different type of calculator. Also, don't use it if you are simply tracking internal departmental budgets; this is strictly for government-mandated contributions. If you just want raw tax rates without a comparison point, the `get_country_rates` tool is your answer. But if you need to know how much a salary costs in Country A versus Country B, stick with `compare_tax_burden`.

The headache of cross-border payroll comparisons

Right now, planning international hiring means opening up dozens of tabs. You have to check a separate government site for France's rates, then find another one for Germany, and manually cross-reference the employee deduction against the employer overhead. It's tedious copy-pasting into multiple spreadsheets.

With this MCP, you ask your agent once. Whether you need a detailed breakdown or just a comparison between two countries, the tool does the heavy lifting. You get one clean answer that summarizes the total cost of employment instantly.

Get accurate data with `compare_tax_burden`

The biggest time sink is juggling different tax regimes and figuring out if a €5,000 salary costs more in Spain or Italy. You spend hours running parallel checks just to find the total overhead difference.

Now, you simply tell your agent what two countries you want to compare for a given salary. The MCP handles all the complex math, giving you the precise cost difference in seconds.

EU Social Contributions Calculator MCP: 3 Tools Available

These tools let you calculate detailed breakdowns and compare mandatory payroll taxes across five major European countries.

#	TOOL	DESCRIPTION
01	<code>calculate_contribution_breakdown</code>	Calculates the exact dollar amounts of contributions for both the employee and employer across all required branches.
02	<code>compare_tax_burden</code>	Compares the total mandatory social security costs between any two specified countries using a single salary figure.
03	<code>get_country_rates</code>	Pulls the raw percentage rates for all social security components within one country, useful for auditing purposes.

See It in Action

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

U What are the social security rates for Germany?



For Germany (DE), the rates are: Health (Employee: 7.3%, Employer: 7.3%), Pension (Employee: 9.3%, Employer: 9.3%), and Unemployment (Employee: 1.4%, Employer: 1.4%).

U Calculate the breakdown for a €3,000 salary in France.



For a €3,000 salary in France (FR), the total employer contribution is €XXX and the employee deduction is €XXX, covering Health, Pension, and Unemployment branches.

U Compare the tax burden of Spain vs Italy for a €5,000 salary.



The total social security burden in Spain (ES) is €XXX, while in Italy (IT) it is €XXX, resulting in a difference of €XXX.

Frequently Asked Questions

01 What is the EU Social Contributions Calculator MCP for?

This MCP calculates and compares mandatory social security contributions for five specific European countries: France, Germany, Spain, Italy, and Portugal. It helps you estimate the total cost of employment.

02 How do I compare tax burdens using the EU Social Contributions Calculator MCP?

You use the `compare_tax_burden` tool. You provide it with a salary amount and two country codes, and it returns the total social security overhead for both nations.

03 Does this MCP calculate deductions for all branches?

Yes. The tools cover major branches like Health, Pension, and Unemployment, giving you a comprehensive picture of where the money goes in each country.

04 What if I need to check tax rates without comparing countries? (Using EU Social Contributions Calculator MCP)

Use the `get_country_rates` tool. This allows you to pull all raw percentage rates for a single, chosen country, which is perfect for auditing or research.

05 Can I use this MCP for US payroll taxes?







No, this MCP is specifically designed for five European economies: France, Germany, Spain, Italy, and Portugal. It won't calculate rates for the United States.

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>"eu-social-contributions-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

EU Social Contributions 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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