MCP SERVER | NO CODE | CLOUD HOSTED

TOTVS MCP

Manage HR, Finance, and BPM Processes.

TOTVS MCP connects your AI agent directly into Protheus, RM, and Fluig systems. This gives you deep access to manage HR records, track financials (accounts payable/receivable), and advance complex business workflows across a single interface.

A+ Quality Score 100/100

totvs | erp-integration | protheus | totvs-rm | fluig | hr-management

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vinkius.com/mcp/totvs

SCAN TO VIEW

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.

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.

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.

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	Ed25519	24h TTL	V8 Isolate
Encryption at rest	PKI vault signatures	Ephemeral session keys	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.

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.

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.

06 — Honeytoken Trap System

Phantom credentials are injected into isolated environments. If a honeytoken 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.

Agent Activity

Which AI clients are connecting, how often, and what they're doing — real-time session tracking.

FinOps

Cost tracking per tool, payload compression savings, budget optimization signals, and consumption trends.

Tool Health

Slowest and most error-prone tools, with actionable root-cause insights and performance baselines.

Firewall & DLP

PII redaction activity, sensitive data protection counters, and security event timeline.

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.

TOTVS MCP

11 tools available
Cloud-hosted on Vinkius

This MCP lets you handle core enterprise functions that used to require logging into three separate applications. You can pull employee details, monitor payment status for both receivables and payables, or check the progress of an internal process request—all from your AI client. Instead of navigating different ERP modules, your agent interacts with a single point of control. The system manages organizational data across TOTVS's major platforms, making it easy to get a full picture of HR needs, financial health, and operational bottlenecks. You connect this MCP via Vinkius and give your agent the power to manage these complex processes using natural language commands.

Core Capabilities

01 — Manage Employee Data

Get comprehensive lists of employees or retrieve specific personal profiles across the organization.

02 — Monitor Financial Accounts

List pending accounts payable records and review real-time incoming receipts and payments for cash flow tracking.

03 — Advance Business Workflows

Track the status of process requests in Fluig and move them to the next required step or state.

04 — Query System Data Records

Retrieve specific records from various data servers across the Protheus and RM environments.

One Click on Vinkius — From Prompt to Execution

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

01 Subscribe to this MCP, then log into your TOTVS Portal. Next, you'll need to grab your Username, Password, Base URL, and any required Company or Tenant IDs from your ERP (Protheus/RM) or Fluig instance.

02 Input these credentials into the Vurb connection flow within Vinkius to authenticate your account access.

03 Your agent now uses this connection to read and write data across all linked TOTVS ecosystems, giving you immediate control over HR, Finance, and BPM tasks.

The bottom line is, once connected, your AI client can talk directly to the backend systems without you ever seeing an API call or a login screen.

Built For

This MCP targets operational users—HR partners, financial controllers, and process analysts. If your job involves checking status across multiple back-end systems (like payroll, general ledger, and internal approvals), this is for you.

Human Resources Business Partner

You use it to pull current employee rosters or find a specific person's full profile without navigating the HR module.

Financial Controller

You automate the review of pending payments and receipts, quickly identifying which invoices are overdue for immediate action.

Process Analyst

You track where a specific business request is stuck—whether it's an internal approval or an official document record.

What Changes When You Connect

01 Instead of opening three different systems—HR, Accounting, and Workflow—you can manage it all in one chat window. This saves hours of switching tabs.

02 You get instant visibility into finances by using the `list_payments` tool to check payable status and `list_receipts` to track incoming funds without manual report generation.

03 When an employee's data changes, you don't have to manually update it. You can use `get_employee_details` to pull accurate records on demand.

04 Process bottlenecks disappear when your agent uses the `move_process_request` tool; you simply tell it where the workflow needs to go next.

05 You gain unified access, meaning you don't need separate credentials or manual steps for Protheus (Finance), RM (Data Query), and Fluig (BPM).

Real-World Applications

The finance team needs a quick cash flow update.

Instead of generating reports in the ledger, they ask their agent: 'Show me all pending payments for this month.' The agent uses `list_payments` and immediately delivers a summary showing total outstanding amounts and overdue items.

An employee needs to know their team's staffing levels.

The HR manager asks, 'List all active employees in the Engineering department.' The agent uses `list_employees` and returns a filtered list complete with job titles, eliminating manual spreadsheet checks.

A purchase request is stuck waiting for approval.

The process analyst identifies the stalled workflow. They tell their agent to 'Advance Purchase Requisition #101.' The agent uses `move_process_request` and pushes the item directly to the next required approver.

Need a profile for a new hire, but don't know their ID.

The manager asks, 'Give me the full details for Jane Doe.' The agent uses `get_employee_details` and returns not just basic info, but also department history and reporting structure.

Patterns to Avoid

Confusing system silos

✗ AVOID

A user tries to find out if a payment is due by checking the ledger (Protheus) and then separately opening Fluig to see if an associated request was approved. They end up with two conflicting pieces of data.

✓ INSTEAD

You should use this MCP to centralize the query. First, run `list_payments` for the financial status; then, if needed, cross-reference by running `get_process_request` using the document ID from that payment.

Over-relying on general data tools

✗ AVOID

A user runs `get_rm_data` with vague parameters because they don't know which specific system table to query, leading to incomplete or confusing data dumps.

✓ INSTEAD

If you are dealing with HR records, always start by using the dedicated tool: `list_employees`. This ensures the query hits the correct module and returns structured employee information.

Trying to manage workflows manually

✗ AVOID

A person finds a pending request ID in an email and then has to open Fluig, find the record, and click 'Advance' multiple times. This is slow and prone to human error.

✓ INSTEAD

Directly tell your agent: 'Advance this workflow.' The tool `move_process_request` handles the entire sequence of steps automatically.

The Right Fit

Use this MCP if your core business processes are tightly integrated within large, established ERP environments like TOTVS's Protheus, RM, and Fluig. You need to run cross-functional queries—for example, checking a payment status *and* verifying the associated process approval in one go. Don't use it if you only need to check public data or manage small, siloed tools (like a standalone CRM). If your needs are limited to just reading basic user lists without financial context, other simpler connectivity options might suffice. However, if the goal is managing the full lifecycle—from HR record creation (`list_employees`) through to payment settlement (`list_payments`) and process approval (`move_process_request`)—this MCP provides the necessary deep integration layer.

The paper trail of enterprise data management

Right now, checking on a single business request is a nightmare. You might start by logging into Protheus to see if payment has cleared. Then you open Fluig because you need to know who approved it. Next, you switch over to the HR portal just to confirm the employee's current status or department code. It’s 4-5 different logins and a dozen clicks just to gather one complete picture of what happened.

With this MCP, your agent handles the whole thing. You ask a single question—for instance, 'What is the payment status for Jane Doe?' The agent pulls data from Protheus (Finance), cross-references it with Fluig (BPM) for approvals, and then uses `get_employee_details` to confirm her role, giving you one consolidated answer instantly.

Getting the full picture with TOTVS MCP

You don't have to manually check accounts payable and then open a different system just to verify if the funding request was approved. The agent reads both the payment status using `list_payments` and checks for process

What changes is that you stop managing systems, and start solving problems. You get immediate answers backed by deep access across your entire enterprise stack.

completion via `get_process_request` simultaneously.

TOTVS MCP: 11 Tools for Enterprise Control

Use these eleven tools to interact with core TOTVS systems, allowing your agent to query everything from specific employee profiles to real-time financial transactions.

#	TOOL	DESCRIPTION
01	`get_available_services`	Lists all currently active data servers available within the RM environment.
02	`get_employee_details`	Retrieves a full, detailed profile for any specific employee you name.
03	`get_process_request`	Pulls all the details associated with one specific process request within Fluig.
04	`get_rm_data`	Allows you to query and pull a single, named record from any connected RM DataServer.
05	`list_companies`	Retrieves a comprehensive list of all companies and branches operating within the Protheus system.
06	`list_documents`	Lists all available documents stored in the Fluig Electronic Content Management (ECM) system.
07	`list_employees`	Generates a list of employee records directly from the HR module.
08	`list_payments`	Provides a list of all accounts payable items, helping you track outgoing money.
09	`list_processes`	Lists every active business process available for tracking in the Fluig system.
10	`list_receipts`	Shows a list of accounts receivable items, helping you track incoming money.
11	`move_process_request`	Advances an existing Fluig process request to the next logical step in the workflow.

See It in Action

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

U List all active employees in my TOTVS RM environment.

Retrieving employee list from RM... I've found 150 active records. Key roles include Software Engineers, Account Managers, and HR Specialists. Would you like the detailed profile for a specific person?

U Show the accounts payable summary for this month from Protheus.

Connecting to Protheus financials... For April 2024, you have 45 pending payments totaling R$ 125,400.00. 12 are overdue. Would you like me to list the overdue invoices?

U List all pending workflow requests in Fluig.

Fetching Fluig task list... I found 8 pending requests: 1. Purchase Requisition #101, 2. Vacation Request #202, 3. Travel Expense #303... Which one would you like to advance?

Frequently Asked Questions

01 **Can the TOTVS MCP handle HR data for multiple company branches?**

Yes. It provides tools like `list_companies` that help identify all available branches, allowing you to query employee details across various organizational units.

02 **How do I check if a payment is overdue using the TOTVS MCP?**

You use the dedicated tool `list_payments`. This function specifically lists accounts payable items and helps flag which payments are currently past due, giving you an immediate financial overview.

03 **Does the TOTVS MCP help with tracking internal approvals in Fluig?**

Absolutely. You can use `list_processes` to see all active workflows, and if a request is stuck, you can run `get_process_request` to get details or even advance it using `move_process_request`.

04 **Do I need specific credentials for the TOTVS MCP?**

Yes. The setup requires standard credentials (Username, Password, Base URL) obtained from your ERP system's API settings within the TOTVS Portal.

05 **Can I query general data records using the TOTVS MCP?**

Yes. The `get_rm_data` tool lets you run specific queries against various RM DataServers, giving you deep access to system-specific information that isn't covered by HR or Finance modules.

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 `"totvs": { "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

TOTVS 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 →

vinkius.com · support@vinkius.com

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