

MCP SERVER

NO CODE

CLOUD HOSTED

# Salesforce Admin & Metadata MCP

## Inspect Schemas and Audit Org Limits Instantly

Salesforce Admin & Metadata gives your AI client deep, natural-language access to the internals of any Salesforce organization. It lets you inspect data models, audit security settings, monitor API usage limits, and execute code all from a single conversation. You can quickly list users, map object schemas down to every field type, or even run anonymous Apex code for complex cleanups without needing manual UI navigation.

**A+** Quality Score 100/100

crm-administration

apex-execution

metadata-management

schema-inspection

org-limits

user-management



# 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

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## 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

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## 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

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## 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](https://cloud.vinkius.com) — connect your AI agent in under 60 seconds.

# Salesforce Admin & Metadata MCP

8 tools available

Cloud-hosted on Vinkius

Need to understand what an organization's data model looks like? This MCP connects your AI client directly to the Salesforce metadata layer. It lets you ask natural questions and get structured answers about everything from object relationships to field types, saving hours of clicking through setup menus.

Imagine asking, 'What fields does Account have?' and getting a perfect schema breakdown immediately. Or perhaps you need to know if your org is running low on API calls; this MCP monitors those limits for you. You can audit security profiles or even execute small pieces of Apex code directly against the live system.

By connecting this MCP through Vinkius, you give your agent a full administrative toolkit. It's designed for experts who need to diagnose complex issues—whether it's an architect mapping data flows or a consultant checking compliance rules across dozens of client environments.

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## Core Capabilities

**01 — Map Object Schemas**

Get a complete breakdown of any Salesforce object, showing every field's type, whether it needs a value, and its relationship to other objects.

**03 — Monitor System Health**

Check current usage against maximum limits for critical resources like API calls and storage capacity.

**05 — Run Admin Scripts**

Execute anonymous Apex code for one-time tasks, data fixes, or running small batch operations against the live records.

**02 — Audit User Access and Roles**

List all system profiles and active users, letting you check who has access to what data or features within the org.

**04 — Search Configuration Code**

Find specific metadata—like Apex classes, triggers, or custom flows—across the entire organization's configuration.

# One Click on Vinkius — From Prompt to Execution

Available at [vinkius.com/mcp/salesforce-admin-metadata](https://vinkius.com/mcp/salesforce-admin-metadata) — connect your AI agent in three steps.

- 01 Your AI client invokes a tool (e.g., `sf_list_objects`) to query Salesforce's internal metadata.
- 02 The MCP receives the raw, structured data and translates it into a clean, actionable format for your agent to read.
- 03 Your agent synthesizes this information—whether it's a list of users or an object schema—and presents the final answer in plain text.

The bottom line is that you get real-time, structured data about Salesforce's inner workings without touching the UI.

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## Built For

This MCP is for enterprise consultants and architects who spend their days figuring out why a client's system isn't working. It's perfect for the administrator tired of jumping between setup menus, API docs, and multiple tabs just to answer basic questions about data access or object relationships.

### Salesforce Administrator

Uses it daily to audit user permissions and check org limits. They use the `'sf_org_limits'` tool to ensure they don't hit an API wall during a large data migration.

### Solutions Architect

Maps out complex client data models by using tools like `'sf_describe_object'` and `'sf_list_objects'` to understand every single custom object and its dependencies.

### Technical Consultant

Quickly diagnoses issues for clients they've never seen before. They use the combined tools to check who has access (`'sf_list_profiles'`) and if the necessary code exists (`'sf_search_metadata'`).

## What Changes When You Connect

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- 01** Understand data structures immediately. Instead of reading complex setup guides, just ask the agent to `sf_describe_object` to get a clean, field-by-field schema breakdown.

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  - 02** Stop guessing about security permissions. Use `sf_list_profiles` and `sf_list_users` to audit exactly who can do what in the org—critical for compliance checks.

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  - 03** Stay ahead of capacity issues. The `sf_org_limits` tool gives you a clear picture of API call consumption, so your agent won't fail mid-migration due to hitting an invisible wall.

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  - 04** Debug complex automations faster. Use `sf_search_metadata` to quickly locate all instances of a specific trigger or Apex class across the entire codebase.

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  - 05** Execute fixes without manual steps. When you need to run one-off data cleanup, calling `sf_execute_apex` lets your agent perform the required code operation instantly.
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## Real-World Applications

### Data Mapping for New Features

A Solutions Architect needs to build a new feature but doesn't know the source data structure. They ask their agent, 'What does Opportunity have?' The agent uses ``sf_describe_object`` and immediately returns all fields, types, and required status, letting the architect start coding right away.

### Troubleshooting Failed Code

A Developer gets a runtime error that is hard to track down. They prompt the agent, asking it to run a diagnostic script using ``sf_execute_apex`` and attach the debug logs for immediate review.

### User Access Review for Audit

A Compliance Officer must prove that only certain roles can see sensitive data. They ask their agent to list profiles and then use ``sf_list_users`` to confirm which active accounts belong to those restricted profiles.

### Inventory Check of Custom Objects

A new consultant joins the project and needs to know what data objects exist. They ask, 'What custom objects do we have?' The agent uses ``sf_list_objects`` and provides a clean inventory list.

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## Patterns to Avoid

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### Asking for general Salesforce help

#### ✗ AVOID

Typing: 'How do I manage users in Salesforce?'. The AI replies with a generic link to the Salesforce documentation, forcing you back into clicking and searching.

#### ✓ INSTEAD

Instead, ask your agent directly using ``sf_list_users`` or ``sf_search_users``. This MCP gives specific details like last login dates and roles, not just general steps.

### Running code without context

#### ✗ AVOID

Asking the agent to run a complex data migration script that fails because it modifies records in an unintended way.

#### ✓ INSTEAD

Always first check the schema using ``sf_describe_object`` and then use ``sf_search_metadata`` to find existing validation rules. This verifies the target structure before running code.

### Ignoring capacity limits

#### ✗ AVOID

Launching a massive data export query that fails halfway through because the organization hit its API call limit.

#### ✓ INSTEAD

Always check ``sf_org_limits`` first. This gives you real-time consumption metrics, letting you adjust your plan before the failure happens.

## The Right Fit

Use this MCP if your job requires deep, technical knowledge of a Salesforce org's internal wiring: object schemas, user roles, and underlying code logic. If you are an Admin or Architect who needs to answer 'What can we do with the data?' rather than 'How do I click button X?', this is for you.

Don't use this if you just need to send a simple email, create a new contact record without knowing the schema, or manage general system settings. For those tasks, standard integration tools are better. This MCP excels at inspection and administration; it's not designed for routine data entry.

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## The manual audit process takes forever.

Today, auditing a client's Salesforce environment means jumping between the Object Manager, Setup menu, Permission Sets, and Apex Code pages. You spend hours manually cross-referencing who can see what, checking data types on dozens of objects, and comparing schema definitions to the requirements document. It's tedious, error-prone work that always runs over budget.

With this MCP, you simply ask your agent the question—for example, 'Show me all fields on Account and check if they are mandatory.' You get an immediate, organized report containing every detail in one go. The time savings aren't measured in hours; they're measured in days.

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## Salesforce Admin & Metadata MCP gives you full control over your data model.

The biggest manual step that disappears is the need to context-switch between documentation, UI exploration, and code review. You no longer have to copy field names from one page and paste them into a separate diagramming tool just to map

It's not just faster; it changes your role. Instead of being the person who *finds* the information, you become the person who *acts* on the knowledge that was instantly delivered.

out relationships. Everything is available for analysis in one stream.

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# Salesforce Admin & Metadata: 8 Tools

Use these tools to inspect every part of the Salesforce data model, from individual fields to global security settings.

#	TOOL	DESCRIPTION
01	<code>sf_describe_object</code>	Retrieves a full, detailed breakdown of an object's schema, listing every field, its type, and rules.
02	<code>sf_execute_apex</code>	Runs temporary Apex code snippets on the Salesforce org for testing or running small data fixes.
03	<code>sf_org_limits</code>	Checks current usage versus maximum limits for core resources like API calls and storage space.
04	<code>sf_list_objects</code>	Provides a list of all available objects in the org, including standard ones and custom components.
05	<code>sf_list_profiles</code>	Lists all security profiles, which define what different user types are allowed to see and do.
06	<code>sf_list_users</code>	Shows a list of active team members, including their email, role, profile, and when they last logged in.
07	<code>sf_search_metadata</code>	Searches the org's configuration for specific code like Apex classes, triggers, or custom flows using keywords.
08	<code>sf_search_users</code>	Finds a specific team member by name, email, or username and returns their key account details.

# See It in Action

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

## U Describe the Opportunity object schema



### Opportunity — 42 fields

FIELD	TYPE	REQUIRED
Name	string	✓
Amount	currency	✗
StageName	picklist	✓
CloseDate	date	✓
AccountId	reference	✗

## U Check our API limits



### Org Limits

LIMIT	REMAINING	STATUS
DailyApiRequests	14,200/15,000	✓ OK
DailyBulkV2QueryJobs	98/100	⚠ LOW
DataStorageMB	450/500	✓ OK

## U List all Apex classes containing Account



Found 5 Apex classes:

1. AccountTriggerHandler
2. AccountService
3. AccountValidator
4. AccountBatchUpdate
5. AccountTestFactory

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## Frequently Asked Questions

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### 01 How does `sf_describe_object` help me understand data types?

The `sf_describe_object` tool provides a field-by-field breakdown, listing every field's precise data type (string, picklist, reference, etc.). This is crucial for knowing what kind of data you can write to an object.

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### 02 Can I check API limits using `sf_org_limits`?

Yes. `sf_org_limits` reports your current usage versus the maximums for key resources, like daily API calls and storage. It's essential for capacity planning.

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### 03 Is `sf_execute_apex` safe to use?

The tool executes real code on the org, so it can modify data. Always test with a non-production environment or run read-only scripts first. Use caution when running complex operations.

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### 04 Which tool should I use to find who owns a record?

You'll want to combine `sf_list_users` and then potentially `sf_search_users`. The user listing provides role context, while the search function helps pinpoint specific individuals.

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### 05 Does `sf_search_metadata` look at flows?

Yes. `sf_search_metadata` covers a wide range of configuration elements, including Apex classes, triggers, validation rules, and complex automated flows.







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# Go Live in 60 Seconds

Get your connection token from [cloud.vinkius.com](https://cloud.vinkius.com), then paste the endpoint URL into any MCP-compatible client.











YOUR MCP ENDPOINT

[https://edge.vinkius.com/\[TOKEN\]/mcp](https://edge.vinkius.com/[TOKEN]/mcp)

CLIENT	WHERE TO CONFIGURE
 <b>Claude AI</b>	Profile → Customize → Connectors → "+" → Add custom connector → Paste endpoint
 <b>Cursor</b>	Settings → Features → MCP Servers → "+ Add New MCP Server" → Type: SSE → Paste endpoint
 <b>VS Code</b>	Ctrl/Cmd+Shift+P → "MCP: Add Server" → add <code>"salesforce-admin-metadata": { "url": "..." }</code>
 <b>Windsurf</b>	MCP Settings → <code>mcp_settings.json</code> → Add endpoint URL
 <b>ChatGPT</b>	Settings → Tools & plugins → Add MCP server → Paste endpoint
 <b>Gemini</b>	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

# Salesforce Admin & Metadata 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](https://vinkius.com) · [support@vinkius.com](mailto:support@vinkius.com)

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