MCP SERVER | NO CODE | CLOUD HOSTED

Baserow MCP for AI Agents

Managing structured project data and exploring database schemas

Baserow MCP connects your AI agent directly to no-code databases, giving you full control over structured data. You can list entire database architectures, explore table schemas down to individual fields, and perform any standard CRUD operation—listing, creating, updating, or deleting records—all via natural conversation.

A+ Quality Score 100/100

no-code | database-schema | rest-api | data-query | row-management

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vinkius.com/mcp/baserow

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.

Baserow MCP

10 tools available
Cloud-hosted on Vinkius

Baserow lets your AI agent handle complex data tasks without forcing you into a graphical user interface. Instead of clicking through multiple tabs just to find a specific project record or update a field value, your agent acts like a dedicated database administrator. You can start by listing all the databases available, then drill down to view every table and its fields. Need to run an analysis? Ask your agent to query rows using filters and pagination instead of building complex views manually. It handles everything from discovering schemas to running full read/write operations. With Vinkius, you connect this Baserow MCP once, giving your AI client access to thousands of tools, letting it act as a powerful data layer for any project.

Core Capabilities

01 — Discovering database structures

List all available databases and tables in the workspace, providing a complete map of your data architecture.

02 — Inspecting schemas and views

View every field (column) within a table, understanding its type, or listing configured filtered views like Kanban boards and calendars.

03 — Reading specific records

Retrieve the details of any single row by providing its unique ID from a specified table.

04 — Querying filtered data sets

Search and list multiple rows, applying custom filters and setting pagination rules to narrow down large datasets.

05 — Writing new records

Create completely new rows in a specified table by providing field names and corresponding values.

06 — Modifying existing data

Update specific fields on an already existing row, changing only the necessary pieces of information.

07 — Removing data

Permanently delete rows from a table after confirming the action.

One Click on Vinkius — From Prompt to Execution

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

01 Subscribe to this MCP and enter your personal Baserow Database Token.

02 Connect your preferred AI client (like Cursor or Claude) to Vinkius. This authenticates access to the full catalog of tools, including Baserow.

03 Ask your agent to perform a data task—for example, 'List all databases I have available,' and it executes the query using the provided credentials.

The bottom line is you connect your AI client via Vinkius, giving it immediate, conversational access to manage complex database operations inside Baserow.

Built For

This MCP is essential for anyone who spends time looking at structured data in no-code tools. If you're a Product Manager tired of building complex filters, or a Developer who needs to programmatically interact with your database content, this is for you.

Product Manager

You use it to query project tracking databases and update task statuses across multiple tables using natural language.

Data Analyst

You run complex, filtered queries against datasets or list schemas to understand exactly what data is available for a new report.

Developer

You use it to programmatically create records and discover table structures without writing boilerplate API calls in your code.

What Changes When You Connect

01 Control the entire dataset lifecycle: Use list_tables to find your collection, then run list_fields to map out every column before you start.

02 Eliminate complex UI navigation. Instead of manually updating a record, use update_row to change specific fields on existing data points with a single conversational prompt.

03 Scale your analysis by running filtered queries: The list_rows tool lets you query thousands of records using field-based filters without building custom views.

04 Build new content quickly. Use create_row whenever you need the agent to populate an entirely new record into a table for your team.

05 Gain full visibility into data organization by calling list_views, which maps out how your team has already structured and filtered data in Baserow.

Real-World Applications

Generating Quarterly Reports from Scattered Data

A Product Manager needs to pull all tasks marked 'High Priority' across three different projects. They ask their agent, which uses list_rows and field filtering, to compile the results into a single summary report.

Onboarding New Team Members

A manager needs to add 20 new staff records. Instead of copying data, they ask the agent to use create_row repeatedly for each person, populating all required fields like start date and department.

Auditing Data Integrity

A developer needs to check if any critical project status records are missing. They instruct the agent to run list_tables followed by get_table to validate the existence and structure of required fields.

Archiving Old Project Data

The team has finished a project and needs to remove all associated task rows from the database. The agent uses delete_row, ensuring only records tied to that specific project are removed.

Patterns to Avoid

Treating Baserow as a simple spreadsheet

✗ AVOID

Trying to 'just look at' data without knowing which tables or fields exist, leading the agent to fail because it can't find the right structure.

✓ INSTEAD

First, use list_databases to narrow down your scope. Then call list_tables and finally list_fields to build a precise schema map before asking the agent to query any data.

Manually updating every field

✗ AVOID

Asking the AI to 'fix this record' without specifying *which* fields need changing, resulting in the agent either failing or overwriting unrelated data.

✓ INSTEAD

When you use update_row, always specify the exact field names and values that need modification. Keep your instructions surgical.

Assuming row IDs are visible

✗ AVOID

Trying to delete a record by providing only descriptive text like 'the task from last week', which is insufficient for the system.

✓ INSTEAD

Always use list_rows or get_row first to find the specific row ID. Once you have that unique identifier, you can safely execute delete_row.

The Right Fit

Use this MCP if your workflow involves structured data stored in Baserow and requires frequent programmatic interaction with schemas, tables, or rows. Think of it as needing an agent to act like a database administrator. Don't use this if you simply need to view static reports; that’s better handled by native Baserow views. However, don't rely on this for complex business logic or mathematical calculations across multiple data sources—for that, you might need a specialized ETL tool or an external calculation engine. This MCP is pure CRUD power: discovery and modification.

Baserow MCP for AI Agents — Database Schema Discovery

Right now, if your team needs to update a record in Baserow, you're stuck clicking through the interface. You have to navigate databases, find the correct table, drill down to view settings, and then manually change the field value. It’s tedious, slow, and prone to human error.

With this MCP, you tell your agent exactly what you want done—for example, 'Find all fields in the Projects table.' The agent handles the discovery process using list_fields, returning a clean list of every column name and its type instantly. You get immediate, precise schema knowledge without touching the UI.

Baserow MCP for AI Agents — Structured Data Querying

Running reports means copying data from one view into another, often involving messy filtering and manual merging in a spreadsheet. You waste time ensuring your filters are correct or that you haven't missed a critical row.

Now, simply ask the agent to 'Show me all tasks assigned to Alice with status Pending.' The agent executes list_rows, handling the complex query logic internally, and delivers only the clean, relevant data set. It’s immediate, accurate, and scalable.

Baserow MCP: 10 Tools for Data Structure & Row Management

Use these tools to list databases, discover fields, view customized views, and perform all types of row creation and modification operations.

#	TOOL	DESCRIPTION
01	create_row	Creates a new row in a Baserow table by accepting the table ID and a JSON object containing field names and values.
02	delete_row	Deletes an entire row from a specified Baserow table, requiring both the table ID and the unique row ID.
03	get_row	Retrieves all field values for one specific row when you provide the target table ID and row ID.
04	get_table	Fetches detailed metadata about a specific Baserow table, given its unique identifier.
05	list_databases	Lists all connected Baserow databases, providing their ID, name, and workspace details so you know what data collections exist.
06	list_fields	Shows the schema for a given table by listing every field (column), its type, and if it's required.
07	list_rows	Retrieves multiple rows from a table, allowing you to filter results by specific fields or set page sizes for large datasets.
08	list_tables	Lists every accessible table across the entire Baserow workspace, showing key details like field count and database location.
09	list_views	Shows all customized views (like Kanban or Gallery) configured for a specific table, including their filters and sorting rules.
10	update_row	Modifies one or more fields on an existing row by providing the table ID, row ID, and a JSON object of updates.

See It in Action

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

U List all databases I have access to right now.

Databases Found:

- **Projects Tracker**: ID `db-123` (Workspace: Core)
- **Team Contacts**: ID `db-456` (Workspace: HR)
- **Marketing Leads**: ID `db-789` (Workspace: Sales)

U I need to update the status of Project X. The row ID is 500, and I want the new status to be 'Completed' and the completion date set today.

Success! Row ID `500` in the Projects Tracker table has been updated.

Changes Applied:

- `Status`: Completed
- `Completion Date`: 2024-10-27

The record is now fully marked as complete.

U What are the column names in my 'Tasks' table? I want to see if there's a field for priority level.

Schema for 'Tasks' Table:

- `Task Name` (Text)
- `Assigned To` (Select)
- `Due Date` (Date)
- `Status` (Single Select)
- `Priority Level` (Select)
- `Description` (Long Text)

Frequently Asked Questions

01 **How can Baserow MCP help me find the correct data in my database?**

The agent makes it easy by first letting you list all databases and tables. You don't have to guess; you just ask your agent, and it maps out exactly what structures are available for querying.

02 **Does Baserow MCP allow me to change data without using the website?**

Yes. You can use the agent to perform full CRUD operations—creating new rows, updating existing records, or deleting old ones—all through simple natural language commands.

03 **What if I need to query thousands of rows from Baserow?**

You don't run into limits. The agent handles filtering and pagination automatically when you use list_rows, so you get exactly the subset of data you need without bogging down your client.

04 **Can I see what kind of fields a Baserow table has?**

Absolutely. You can ask the agent to run list_fields on any table, and it will return the full schema, showing you if columns are dates, numbers, text, or selections.

05 **Is Baserow MCP only for reading data?**

No. It's a write-enabled connection. You can create new records using create_row and modify existing ones with update_row.

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 `"baserow": { "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

Baserow 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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