MCP SERVER | NO CODE | CLOUD HOSTED

DBeaver (CloudBeaver) MCP for AI Agents

Programmatic Database Administration and Connection Auditing

DBeaver (CloudBeaver) provides AI agents direct, programmatic access to your database management system. Use this MCP to manage user accounts, audit connection statuses, and handle data exports without opening a web interface. It lets you govern complex databases—checking licenses, provision users, or querying specific connection details—all through natural language commands.

A+ Quality Score 100/100

sql | database-administration | cloudbeaver | dbeaver | user-management

MAINTAINED BY VINKIUS CLOUD FOR AI AGENTS · JUNE 2026
vinkius.com/mcp/dbeaver-cloudbeaver

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.

DBeaver (CloudBeaver) MCP

19 tools available
Cloud-hosted on Vinkius

This MCP connects your AI agent directly to your CloudBeaver instance, letting you manage database infrastructure from wherever you are working. Instead of logging into the graphical user interface and clicking through menus for basic tasks, your agent handles it all via text prompts.

It lets you audit who has access, instantly create or delete team accounts, and get detailed status reports on specific connections across various projects. Need to know what export formats are available? Your agent checks that too. Because Vinkius hosts this MCP, you connect once through any compatible client—Claude, Cursor, Windsurf, etc.—and gain immediate control over your database administration tasks. You can even monitor the product's active licenses and configure server settings programmatically, streamlining complex backend operations into simple conversations.

Core Capabilities

01 — Manage User and Team Access

Create new user accounts or define teams to control who has access to specific database connections.

02 — Audit Connection Details

Retrieve the configuration, status, and security details for any specified database connection across your projects.

03 — Handle Data Exports

Start asynchronous tasks to export data either from an entire schema or directly from a specific SQL query result set.

04 — Discover System Drivers and Formats

List all database drivers the system supports and check available file formats for data transfers, such as JSON, CSV, or XLSX.

05 — Control Authentication and Licensing

Query authentication providers (like SAML) or retrieve details about active product licenses to verify compliance and setup.

One Click on Vinkius — From Prompt to Execution

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

01 First, subscribe to the DBeaver (CloudBeaver) MCP on Vinkius.

02 Next, provide your CloudBeaver Server URL and API Token to link your AI client to the system.

03 Finally, instruct your agent using natural language to perform any task, from checking connection status to provisioning a new team.

The bottom line is you get full database governance capabilities through conversational commands, bypassing the need for manual UI interaction.

Built For

This MCP targets professionals who spend too much time switching context between dashboards and GUIs. If your job involves auditing permissions, provisioning accounts at scale, or running automated data pipelines against multiple databases, you need this.

Database Administrator (DBA)

You audit user permissions instantly and check connection statuses across dozens of projects without logging into the web UI.

DevOps Engineer

You automate routine tasks like provisioning new teams or verifying complex server configurations as part of a CI/CD workflow.

Data Engineer

You check available data drivers and export capabilities to ensure your ETL pipelines can handle the required file types (CSV, JSON, etc.).

What Changes When You Connect

01 Audit user access instantly. Instead of digging through multiple admin portals, use the `get_connection_info` tool to pull a real-time status report for any connection in seconds.

02 Streamline provisioning. Automatically create or delete teams and users using tools like `create_user` and `delete_team`, eliminating tedious manual account management.

03 Improve data workflow reliability. Check available export formats with `data_transfer_available_stream_processors` before starting a pipeline, ensuring your output matches the required schema (JSON, CSV, XLSX).

04 Maintain compliance visibility. Use `get_active_product_license` to check license expiration and status automatically, keeping your records clean for audits.

05 Simplify complex connections. Quickly determine if an account is properly set up by using `get_auth_providers` to list all supported authentication methods.

Real-World Applications

Auditing a Production Connection

A DBA needs to know the current status of the main production PostgreSQL connection. They ask their agent, and it uses `get_connection_info` to confirm that the host is online and reports its last active time immediately.

Onboarding a New Data Team

A DevOps engineer needs to set up a new reporting team. They prompt the agent, which uses `create_team`, then adds specific users using `add_connections_access` so that only the necessary people can see the target databases.

Extracting Results for Quarterly Report

A data engineer runs a complex query and needs to save the output. They ask their agent, which triggers `data_transfer_export_data_from_results`, automatically generating an exportable JSON file ready for stakeholders.

Verifying System Capacity

A manager asks what types of data files the system can handle. The agent uses `get_driver_list` and `data_transfer_available_stream_processors` to confirm support for all necessary formats, like Oracle and XLSX.

Patterns to Avoid

Manually checking user roles

✗ AVOID

A user has to navigate through the admin UI, click 'Users,' search by name, then check individual permissions for every single team membership.

✓ INSTEAD

Ask your agent directly. The tool `get_admin_user_info` pulls all necessary details in one go, saving minutes of clicking and context switching.

Guessing export capabilities

✗ AVOID

A data pipeline fails because the output format isn't recognized, forcing the engineer to manually check documentation for supported file types.

✓ INSTEAD

Before exporting, ask your agent to run `data_transfer_available_stream_processors`. It lists all formats (CSV, JSON, XLSX) so you know exactly what to expect.

Over-provisioning access

✗ AVOID

An administrator creates a new team account and gives it global write access just in case. This violates the principle of least privilege.

✓ INSTEAD

Use `create_team` followed immediately by `add_connections_access`. This confines the team's permissions to only the specific connections they require.

The Right Fit

You should use this MCP if your workflow requires programmatic, auditable control over database users, licenses, and connection metadata. Think 'system governance.' If you need to automate user provisioning or run bulk data exports for compliance, this is the right fit. Don't use it if you just want to manually write a one-off SELECT statement; that's better handled by direct query tools. Also, don't try to use it to debug network latency issues between two databases—it manages configuration and access, not physical connectivity issues. Use this MCP when the action itself involves managing who can do what, or verifying *how* data can be moved.

DBeaver (CloudBeaver) MCP for AI Agents: Database User Provisioning

Right now, setting up a new team means logging into the CloudBeaver portal. You have to manually create the group, then find every single connection they need access to, and finally assign permissions one by one. It's tedious, error-prone work that takes half an hour per department.

With this MCP, you just tell your agent: 'Create a team called Finance Reporting and give them read-only access to the main ledger connection.' The task completes instantly using tools like `create_team` and `add_connections_access`. You get immediate compliance visibility without leaving your chat window.

DBeaver (CloudBeaver) MCP for AI Agents: Connection Status Auditing

Manually checking connection health involves opening the UI, navigating to the connections list, and clicking into each one to verify its status and configuration details. If you have 50 connections, that's a deep dive of painful clicks.

Now, simply ask your agent: 'Show me the status of all production database connections.' The tool `get_connection_info` fetches this data programmatically, giving you a clean, consolidated report in seconds. You know exactly what's up.

DBeaver (CloudBeaver): 19 Tools for Database Administration

Use these tools to manage everything from user accounts and team structures to connection status checks and data export jobs.

#	TOOL	DESCRIPTION
01	add_connections_access	Grants specific users or teams defined access rights to particular database connections.
02	auth_login	Authenticates a user session using credentials and an available authentication provider.
03	configure_server	Updates the core, main configuration settings for the entire CloudBeaver instance.
04	create_team	Creates a new organizational team structure used for managing access rights.
05	create_user	Provisions a brand-new user account within the system (Admin permission required).
06	data_transfer_available_stream_processors	Lists all export formats and data transfer types that the system supports.
07	data_transfer_export_data_from_container	Initiates an asynchronous job to pull and export large amounts of data from a specific table or schema container.
08	data_transfer_export_data_from_results	Exports the results set generated by a specific SQL query for later use.
09	db_sm_terminate	Forces the termination of all currently active database sessions associated with one connection.
10	delete_team	Permanently removes an existing team structure from the system.
11	delete_user	Removes a user account, ensuring all associated permissions are revoked.
12	get_active_product_license	Returns detailed information regarding the currently active product license status and expiration date.

#	TOOL	DESCRIPTION
13	get_active_user	Retrieves basic details about the user who is currently authorized to make calls through this MCP.
14	get_admin_user_info	Fetches comprehensive, admin-level information for a specified user account.
15	get_ai_settings	Retrieves the global configuration settings that govern how AI agents interact with this MCP.
16	get_all_product_licenses	Lists every product license installed on the server, useful for comprehensive inventory checks.
17	get_auth_providers	Returns a list of all available authentication methods, such as local logins or SAML integrations.
18	get_connection_info	Retrieves the full configuration and real-time status for one specific database connection.
19	get_driver_list	Lists every single database driver supported by the CloudBeaver instance, confirming compatibility.

See It in Action

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

U List out all supported drivers and tell me if I can export results to XLSX.

System Driver Report

Your CloudBeaver instance supports 15 major database types, including:

- PostgreSQL
- MySQL
- Oracle Database
- SQLite
- SQL Server

Regarding exports: Yes, data transfer is available in **XLSX**, JSON, and CSV formats. You can use the `data_transfer_available_stream_processors` tool to confirm this.

U I need a new user account for Bob from Operations. Make sure he only sees the HR database connections.

✅ **User Account Provisioned**

User 'bob_ops' has been successfully created and assigned ID `U901`.

- **Access Granted:** Limited to the 'HR_Production_DB' connection.
- **Role:** Read-Only Access.
- **Status:** Active. (Admin action required for deletion or elevated privileges.)

U What is the current status of our primary reporting database? And who can access it?

Connection Status Report: ReportingDB_PROD

- **Status:** Connected (Last Check: 2 minutes ago).
- **Driver Used:** PostgreSQL.
- **Configured Host:** db.reporting.internal

Current Users with Access:

USER	ROLE	LAST ACTIVITY
jdoe	Admin	Today, 10:30 AM
ops_team	Read-Only	Yesterday

Frequently Asked Questions

01 **How does the DBeaver (CloudBeaver) MCP help me manage user roles and permissions?**

It lets you programmatically handle user access. You can create new users, define teams for groups of people, and assign specific read or write permissions to individual database connections without touching the web interface.

02 **Can I use DBeaver (CloudBeaver) MCP to check if my licenses are up to date?**

Yes. The MCP allows you to query the active product license details, letting you instantly audit your current status and expiration dates for compliance reporting.

03 **What kind of data exports can I perform with DBeaver (CloudBeaver) MCP?**

You can export results from a specific SQL query or dump data from an entire table/schema. The system supports multiple formats, including JSON, CSV, and XLSX.

04 **Is the DBeaver (CloudBeaver) MCP suitable for DevOps automation?**

Absolutely. It's perfect for automation because you can use it to script user provisioning, verify server configurations, or manage database connections as part of a larger deployment pipeline.

05 **How do I check the connection status of my databases using DBeaver (CloudBeaver) MCP?**

You simply ask your agent for the connection info. It retrieves real-time operational data, telling you if a link is connected, which driver it uses, and its configured host details.

06 **Does DBeaver (CloudBeaver) MCP support multiple types of databases?**

Yes, the system supports many drivers. You can ask the MCP to list all supported drivers, confirming compatibility for everything from PostgreSQL and MySQL to Oracle and SQLite.

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 `"dbeaver-cloudbeaver": { "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

DBeaver (CloudBeaver) 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

INDEPENDENT PLATFORM DISCLAIMER

Vinkius is an independent platform and is not affiliated with, endorsed by, sponsored by, verified by, or otherwise authorized by DBeaver (CloudBeaver). All third-party trademarks, logos, and brand names are the property of their respective owners. Their use in this document is strictly for informational purposes to identify service compatibility and interoperability.

DOCUMENT INFORMATION

Generated	June 2026
MCP Server	DBeaver (CloudBeaver) MCP
Server ID	`019e3887-bc67-7116-a7d3-bb188c2e1866`
Platform	Vinkius Cloud for AI Agents
Endpoint	`https://edge.vinkius.com/{token}/mcp`

LICENSE & USAGE

This document is generated automatically by the Vinkius PDF Engine. Content reflects the MCP server configuration at the time of generation and may change as updates are deployed. For the most current information, visit vinkius.com/mcp/dbeaver-cloudbeaver.