MCP SERVER | NO CODE | CLOUD HOSTED

Kintone MCP

Manage your custom business apps and records via AI.

Kintone MCP connects your AI agent directly into your custom Kintone environment. It lets you manage business data, discover apps, and automate workflows using natural language commands. Instead of logging into a web portal or exporting CSV files, your agent can list records, add new entries, update status fields, and even map out which applications exist across your organization—all from any MCP-compatible client.

A+ Quality Score 100/100

business-apps | workflow-automation | low-code | data-records | team-collaboration | custom-apps

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vinkius.com/mcp/kintone

SCAN TO VIEW

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.

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.

Kintone MCP

10 tools available
Cloud-hosted on Vinkius

Your agent needs to interact with structured data where it lives: Kintone. This MCP gives it that access. You no longer have to switch context or manually copy data between systems just to update a status or check a project's current state. With this connection, your AI agent becomes an extension of your team, capable of navigating all the custom apps you've built and handling records across every space. It can list which apps exist on your platform, retrieve specific records based on complex criteria, or even map out exactly how a form is structured. If you use Vinkius to manage your AI tools, this MCP makes Kintone data available for action alongside everything else in the catalog.

Core Capabilities

01 — Discovering Apps

Lists every custom application and provides detailed information about its structure and fields.

02 — Retrieving Specific Records

Fetches a single, specific record from any configured Kintone app using unique identifiers.

03 — Querying Record Lists

Searches and retrieves multiple records across an app, allowing filtering based on complex criteria like status or date range.

04 — Adding New Entries

Creates brand new records in any specified Kintone application, mapping data fields as needed.

05 — Modifying Existing Data

Updates specific details on an existing record, such as changing a status or assigning a new owner.

06 — Managing Space Members

Lists all users and participants within your defined Kintone collaboration spaces.

One Click on Vinkius — From Prompt to Execution

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

01 Subscribe to this MCP on Vinkius, then input your specific Kintone Subdomain and API Token credentials.

02 Connect your AI client (Claude, Cursor, etc.) using the established connection in your preferred development environment.

03 Ask your agent a question like, 'List all project records with status Pending,' and it executes the command against your live Kintone data.

The bottom line is that you grant your AI client permission to act on behalf of your account, running native Kintone operations through natural language conversation.

Built For

This MCP is essential for Ops Engineers and Project Managers who spend too much time manually checking data status across multiple siloed systems. It's perfect for Business Analysts needing to pull structured, up-to-date records without the hassle of manual CSV exports.

Operations Engineer

Uses natural language commands to automatically update record statuses or add new user data across different Kintone apps.

Project Manager

Quickly queries project status records and identifies task owners from various apps directly within their IDE, without opening the web browser.

Business Analyst

Retrieves and validates complex sets of application data by asking the agent to list or search for specific criteria across multiple record types.

What Changes When You Connect

01 Automate data entry: Instead of manually clicking through forms, you can use `add_record` to create new entries instantly by describing the required information to your agent.

02 Instant status checks: Need to know if a project is stuck? Use `list_records` with complex filters to gather all records matching 'Stalled' and see exactly which projects are affected.

03 Accurate data mapping: If you don't know what fields exist, run `get_app_layout` first. This tells your agent the exact structure of the app before it tries to add or update anything.

04 System oversight: Use `list_apps` to get a complete inventory of every custom application ID, letting you manage data across the whole platform in one chat session.

05 Deep record retrieval: Instead of just getting a list, use `get_record` when you need all the specific details for a single item, like an employee's full profile or opportunity history.

Real-World Applications

Project status audit

A project manager needs to check if five different tasks—spread across 'Task App,' 'Budget App,' and 'Owner App'—are all marked complete. They ask their agent, which uses `list_records` repeatedly, and the agent reports back a clear list of all 15 records that are still pending review.

Onboarding new staff

An HR specialist needs to create profiles for three new employees. Using `add_record`, they provide the name, department ID, and start date once, and the agent populates all necessary records into the 'Employee Directory' app.

Data clean-up sweep

The operations team finds a batch of old, incomplete opportunity records. They ask the agent to find all records in the 'Opportunity Tracker' where the status is 'Draft' and then use `delete_records` to purge them safely.

App discovery for new users

A business analyst joins a department and doesn't know what data apps exist. They ask, and the agent uses `list_apps` immediately, providing an inventory of every application ID available to them.

Patterns to Avoid

Copy/Pasting Data

✗ AVOID

Manually copying a record number from a spreadsheet into the Kintone web app and then updating status flags one by one.

✓ INSTEAD

Instead, ask your agent to read data from the sheet (if possible) and use `add_record` or `update_record`. This keeps the process within the AI conversation and eliminates manual errors.

Guessing Field Names

✗ AVOID

Trying to update a record by typing in field names that might be slightly wrong, leading to an error message.

✓ INSTEAD

Before updating or adding anything, run `list_form_fields` first. This confirms the precise field name and data type you need for success.

Ignoring Dependencies

✗ AVOID

Trying to update a record without knowing which other apps reference that same ID, potentially breaking a workflow.

✓ INSTEAD

Use `get_app_details` or `list_apps` first. This gives you the full context of how the application is set up before making changes.

The Right Fit

You should use this MCP if your primary need is to automate data operations within a specific, highly structured platform like Kintone. It’s perfect when you have existing custom apps and want an AI agent to read, write, or modify records without needing UI intervention. Don't use this if all you need is general knowledge retrieval about the business; then, a simple document indexing tool might be better. Also, don't use it if your data resides in unstructured formats like emails or PDFs; for that, you need a different type of data connector entirely. Use this when the state change—the act of adding, updating, or deleting a record—is the core goal.

The current process is slow and requires context switching.

Right now, changing data means opening tabs. You might start in your spreadsheet to get a list of IDs, switch to Kintone to view the specific record, then open a third system just to confirm who the owner was before you can update it all back on the main app screen. It's clicks and copy-pasting.

With this MCP, those steps vanish. You tell your agent what needs fixing—'Update Project X status because Y happened.' Your agent handles the whole multi-step data journey behind the scenes. All you get is a simple confirmation that the job was done.

The Kintone MCP gives you full control over your custom apps.

You no longer need to manually check if an app exists before using it, or worry about what fields are available. You can run `list_apps` to get the inventory and then use `get_app_layout` to confirm the data structure for any specific record.

The agent doesn't just read; it acts. It handles complex operations like deleting multiple records with one command, or building a brand new entry using `add_record`. It’s full control over your business data, delivered through conversation.

Kintone MCP: 10 Tools for App & Record Management

Use these ten tools to control every aspect of your Kintone environment—from listing available apps to executing complex record updates and deletions.

#	TOOL	DESCRIPTION
01	`add_record`	Creates a brand new record in an app using a defined JSON structure of field codes and values.
02	`get_app_layout`	Retrieves the detailed layout, including field names and types, for a specific Kintone application.
03	`list_apps`	Lists every existing Kintone application ID so you know which apps you can target with your commands.
04	`delete_records`	Permanently removes one or more records from an app using a required array of record IDs.
05	`list_form_fields`	Displays all field names and settings for a particular application, helping you understand the data structure.
06	`get_app_details`	Pulls general metadata and configuration details about an entire Kintone application.
07	`get_record`	Retrieves the full content of a single, specific record from any app using its unique ID.
08	`list_records`	Searches and lists multiple records in an app; you can optionally add a query string to filter results immediately.
09	`list_space_members`	Lists all members, participants, and roles within your organization's Kintone collaboration space.
10	`update_record`	Changes the data on an existing record by accepting a specific ID and mapping new values to fields.

See It in Action

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

U List all my Kintone apps.

I've retrieved your apps. You have 5 applications, including 'Sales Pipeline' (ID: 10), 'Employee Directory' (ID: 12), and 'Project Tracker' (ID: 15).

U Show records from app ID 10 where status is 'Pending'.

I found 3 records in app 10 with 'Pending' status: 'Opportunity A', 'Opportunity B', and 'Opportunity C'. Would you like to see details for any of them?

U Add a new record to app 12 with name 'Jane Doe' and role 'Designer'.

Successfully added the record for 'Jane Doe' to app 12. The new record ID is '105'.

Frequently Asked Questions

01 **How do I list all my Kintone apps using the Kintone MCP?**

Run the `list_apps` tool. This will provide a complete inventory of every custom application ID available in your account, letting you know exactly what data sources your agent can access.

02 **What is the difference between listing records and getting a specific record with Kintone MCP?**

Use `list_records` when you need to search many items based on criteria (e.g., status='Pending'). Use `get_record` only when you know the exact ID of the single item you want details for.

03 **Can I add a new record without knowing all the field names? Kintone MCP?**

No. To ensure data integrity, you should run `list_form_fields` first to verify the precise name and required type of every field before attempting to use `add_record`.

04 **Does this MCP let me delete records from multiple apps?**

Yes. You can list records across different apps using various tools, and then pass the resulting IDs to `delete_records` in a single command sequence for bulk cleanup.

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 `"kintone": { "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

Kintone 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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