

MCP SERVER

NO CODE

CLOUD HOSTED

Zoho Sheet MCP

Programmatic Control Over Spreadsheet Data

Zoho Sheet MCP gives your AI agent full programmatic control over Zoho Sheets data. You can manage entire workbooks, update specific cell ranges across multiple sheets, append massive lists of row data, or audit who has access—all by speaking naturally to your AI client. It turns complex spreadsheet operations into simple commands.

A+ Quality Score 100/100

spreadsheets

data-analysis

cloud-collaboration

cell-automation

workbook-management

data-rows



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.

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

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.

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 — connect your AI agent in under 60 seconds.

Zoho Sheet MCP

13 tools available

Cloud-hosted on Vinkius

You're dealing with spreadsheets that aren't just static reports; they're dynamic operational databases. This MCP connects your AI agent directly to the underlying structure of Zoho Sheet, giving it far more power than a standard read-only connection. Your agent can now handle data management tasks, treating the spreadsheet like code. Need to restructure an entire project? Your agent can create new workbooks and worksheets, then fill them with accurate data by listing existing rows or reading specific cell ranges. It even handles governance; your agent checks who has view-only access versus full editor rights across your organization's files. When you connect this MCP through Vinkius, it makes sure that every sheet operation—from updating formulas to deleting unused tabs—is done reliably and programmatically through natural language commands.

Core Capabilities

01 — Structure Workbooks

Create new workbooks or manage existing ones by listing them or searching for specific files.

03 — Manipulate Cell Data

Read specific cell ranges (like A1:D20) or update precise cells across sheets using natural language instructions.

05 — Audit Access Control

View and list which users have been granted sharing permissions for any given workbook.

02 — Manage Sheets Lifecycle

Add, delete, and configure worksheets within a workbook, making sure your data lives in the right place.

04 — Automate Row Entry

List all data rows in a dataset, or automatically add new structured rows of information to your sheets.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/zoho-sheet — connect your AI agent in three steps.

- 01 Subscribe to the Zoho Sheet MCP and enter your specific Zoho API Credentials.
- 02 Connect this MCP through Vinkius, allowing your AI agent access to your cloud data arrays.
- 03 Ask your AI client to perform a task, such as 'Find the Master Inventory workbook and update cells B5:B10 with today's date'.

The bottom line is that you talk to your AI client in plain English, and it handles all the complex API calls needed to manipulate your sheets.

Built For

This MCP is for the data analyst who spends hours manually copying and pasting between tabs. It's for the operations manager who needs to enforce strict data structure across teams, or the administrator needing to audit file permissions instantly.

Data Analyst

You use this MCP to pull specific cell ranges from multiple workbooks and consolidate them into a single clean report without writing complex scripts.

Operations Manager

You manage data entry by having your agent automatically add new rows of operational metrics or append large datasets when a process completes.

Administrative Staff

You audit company files by listing all workbooks and checking exactly which users have been granted editing access to sensitive documents.

What Changes When You Connect

- 01 Stop manual data gathering. With tools like `list_rows` and `get_cells`, your agent gathers all necessary data points from a sheet structure instantly, letting you build reports in seconds.

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- 02 Maintain data integrity across departments. Use `update_cells` to ensure critical values, like project codes or formulas, are always entered correctly without human error.

 - 03 Manage file access easily. The `list_shared_users` tool lets your agent audit permissions immediately, telling you exactly who can view and who can edit sensitive records.

 - 04 Build complex data pipelines. Your agent doesn't just read; it creates structure using `create_workbook` or `add_row`, handling the entire lifecycle from blank slate to finished dataset.

 - 05 Handle massive datasets automatically. If you have thousands of rows, `list_rows` fetches them all without needing a manual export/import cycle.
-

Real-World Applications

Consolidating Quarterly Reports

The finance team needs to compare Q1 and Q2 data from three different managers. Instead of manually opening six spreadsheets, they ask their agent to run `get_cells` on the key metrics ranges across all three workbooks, consolidating everything into one master sheet using `update_cells`.

Data Auditing for Compliance

The legal department needs proof of who accessed a client file. They run `list_workbooks` and then use `list_shared_users` on the target sheet to generate an instant report detailing every editor and viewer.

Onboarding New Team Members

The HR operations team has a new employee. They instruct their agent via `list_shared_users` to check the 'Employee Directory' workbook and then use `add_row` to create the new user's profile, ensuring they get the right initial data set.

Automating Project Milestones

The project manager needs to update status reports weekly. Instead of updating 50 cells manually, they ask their agent to find the 'Project Status' workbook and run `update_cells` on all relevant tasks with the new completion date.

Patterns to Avoid

Manual Data Merging

X AVOID

A user downloads five separate CSV files, opens them in Excel, and spends two hours copy-pasting headers and data into a single master tab.

✓ INSTEAD

The agent reads the structure first by calling `list_workbooks`. Then, it systematically pulls all required information using `get_cells` from each sheet and combines them programmatically.

Guessing Permissions

X AVOID

A manager thinks 'everyone in sales can view this,' but doesn't know which specific users are actually granted access, leading to potential data leaks.

✓ INSTEAD

The agent runs `list_shared_users` on the relevant workbook. This gives you an immediate, verifiable report of every user and their explicit level of access.

Editing Data by Hand

X AVOID

A team member realizes a formula was wrong and manually types over the cell value instead of fixing the underlying data structure.

✓ INSTEAD

Use `update_cells`. Your agent can be instructed to find specific ranges (e.g., 'all formulas in column F') and correctly adjust or replace them, preserving the sheet's integrity.

The Right Fit

You should use this MCP if your workflow involves structured data that lives inside Zoho Sheets, and you need an AI agent to manipulate that structure—not just read it. Specifically, if you need to create new files (`create_workbook`), manage sheets tabs (`delete_worksheet`), or modify cell contents (`update_cells`). Don't use this if your goal is only simple text extraction; for that, a basic data connector might suffice. However, if the task requires checking who can edit the file (`list_shared_users`) or appending large batches of records (`add_row`), then you need the full power and control provided by this MCP.

Spreadsheets are great, but they're terrible for automation.

Think about what happens right now. You have a master sheet with hundreds of rows. To get the names from Q1 and the sales totals from Q2, you open two tabs, copy the necessary cells into a third tab, format them to look consistent, then paste everything together. It's a cycle of clicking 'Copy,' switching tabs, and pasting—and every single time, something gets misaligned.

With this MCP, that whole manual process vanishes. You tell your agent: 'Get the names from Q1 and combine them with sales totals from Q2.' Your agent runs multiple tools under the hood, gathering data using `get_cells` and `list_rows`, then it builds a clean, consolidated dataset for you without you having to touch a single tab.

Zoho Sheet MCP: Control Structure and Data Integrity

The tedious parts that disappear include manually checking permissions across multiple files, or restarting the process because an essential sheet was accidentally deleted. You no longer have to remember which workbook holds which data point.

Now, when you need a file updated, your agent handles it. It can delete old worksheets using `delete_worksheet` if they're obsolete, and then create new ones (`create_worksheet`) with the fresh data. The sheet always stays clean.

Zoho Sheet MCP with 13 Tools

Use these tools to perform every kind of data operation on Zoho Sheets—from listing all users to updating individual cells.

#	TOOL	DESCRIPTION
01	<code>add_row</code>	Adds a completely new data row at the bottom of your selected worksheet.
02	<code>create_workbook</code>	Generates an entirely new, empty workbook in your Zoho account.
03	<code>create_worksheet</code>	Adds a brand new tab or worksheet to an existing workbook.
04	<code>delete_worksheet</code>	Removes an unused worksheet tab from a workbook.
05	<code>get_cells</code>	Reads the exact contents of a specified range of cells, such as A1 through D10.
06	<code>get_workbook</code>	Retrieves summary details about an entire workbook file.
07	<code>get_worksheet</code>	Gets detailed information and metadata for a specific worksheet tab.
08	<code>list_rows</code>	Retrieves all the existing data records contained in a specified sheet, row by row.
09	<code>list_shared_users</code>	Shows you a list of users and their specific roles (view/edit) who have access to the file.
10	<code>list_workbooks</code>	Returns a comprehensive list of all workbooks associated with your account.
11	<code>list_worksheets</code>	Provides a full roster of worksheet tabs within a specified workbook.
12	<code>search_workbooks</code>	Finds workbooks based on keywords or partial file names.
13	<code>update_cells</code>	Changes the content of one or more specified cells within a sheet, like changing a formula or value.

See It in Action

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

U Find the 'Q3 Financials' workbook and read the data in cells A1 to D20 from the first worksheet.



I found the 'Q3 Financials' workbook. The data in range A1:D20 shows your quarterly revenue at \$1.2M and expenses at \$850K. Would you like me to analyze these figures further?

U Create a new workbook called 'Event Attendees' and add a new row with name 'Sarah Connor' and email 'sarah.c@example.com'.



I have successfully created the 'Event Attendees' workbook. The first worksheet has been set up, and I've added the new data row for 'Sarah Connor' (sarah.c@example.com). You can now access it in your Zoho console.

U List all my workbooks and tell me who has shared access to the 'Master Inventory' spreadsheet.



You have 5 active workbooks. For the 'Master Inventory' spreadsheet, the shared users are Alex (Editor) and Taylor (Viewer). Would you like to update any permissions?

Frequently Asked Questions

01 Can I use Zoho Sheet MCP to read only specific parts of a large file?

Yes, that's exactly what it's for. You don't have to download the whole thing; you can use `get_cells` to target specific cell ranges like A1:D20 instantly.

02 Does Zoho Sheet MCP handle adding new records?

Absolutely. If your workflow generates a list of new entries, you can tell the agent to `add_row` and it will append the data correctly at the bottom of the sheet.

03 How do I check who can edit my Zoho Sheet files?

Use the `list_shared_users` tool. It reads all current sharing permissions for a workbook, giving you a clear report on every user and their precise role (Editor or Viewer).

04 What if I need to reorganize an entire set of sheets?







You can use the lifecycle tools. Your agent can `list_worksheets` first, then delete those that are no longer needed, and create a new worksheet with fresh data.

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 <code>"zoho-sheet": { "url": "..."} </code>
 Windsurf	MCP Settings → <code>mcp_settings.json</code> → 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

Zoho Sheet 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 · support@vinkius.com

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