MCP SERVER | NO CODE | CLOUD HOSTED

Tana MCP

Turn thoughts into structured, linked databases.

Tana MCP lets your AI agent turn natural language conversations into structured knowledge graphs, tackling complex data modeling directly in Tana. Define custom data types (Supertags), build multi-level outlines with specific fields, and connect related ideas using simple prompts.

A+ Quality Score 98.33/100

graph-database | ontologies | knowledge-graph | supertags | structured-data | personal-knowledge-management

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vinkius.com/mcp/tana

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.

Tana MCP

10 tools available
Cloud-hosted on Vinkius

Think of this connector as turning your large language model into a specialized database architect for your personal workspace. Instead of leaving raw text dumps that pile up in your notes app, you program your agent to instantly process thoughts and build proper structure. You can tell it, 'Take these meeting minutes and make sure the action items are checkboxes, tag them as #meeting, and list who owns them.' The system handles mapping those concepts into Tana's underlying graph—creating new nodes, linking related ideas across different documents, or even defining entirely new types of data you use repeatedly. By connecting to Vinkius, your AI agent gets access to this powerful schema management capability, letting you move past manual entry and focus purely on thinking.

Core Capabilities

01 — Create structured knowledge nodes

Build new concepts or records in Tana by specifying their name and target location.

02 — Define custom data types (Supertags)

Establish reusable classification schemas so that every time you mention 'Client,' it automatically gets the correct metadata attached.

03 — Build nested outlines

Programmatically create a parent node and populate it with multiple, structured child nodes in one go.

04 — Reference existing data points

Link two separate ideas together to show a direct relationship between them without duplicating information.

05 — Add specialized content types

Instantly generate specific formats, like dates or URL bookmarks, so the data is immediately usable for filtering and sorting.

One Click on Vinkius — From Prompt to Execution

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

01 First, append the Tana matrix module into your Vinkius connective logic workspace.

02 Next, obtain an active TANA API token from your account settings and set its security parameter for use in your environment.

03 Finally, prompt your agent naturally by asking it to structure content: 'Send a structured meeting note to my inbox with the #Agenda supertag, and include three checkbox tasks as its children.'

The bottom line is that you tell your AI what knowledge you want to capture, and this MCP handles turning that messy intent into clean, linked data points in Tana.

Built For

This is for the researcher who gets frustrated by scattered notes across five different apps. It's for the product manager tired of manually updating project schemas and the knowledge worker who needs to turn a meeting transcript into an organized, actionable database.

Knowledge Worker

Captures complex ideas from meetings or calls by letting their agent define supertags and add nodes with references, avoiding tedious manual logging.

Product Manager

Solidifies operational ontologies by ensuring that every new feature idea is tagged correctly and linked to the right project schema using defined supertag IDs.

Researcher/Analyst

Builds deep, interconnected knowledge bases by linking bookmarks, date blocks, and nested lists directly via prompt commands.

What Changes When You Connect

01 Stop writing flat meeting notes. You can tell your agent to build a full outline and automatically transform the subpoints into executable tasks using `add_node_with_children` followed by `add_checkbox_task`. The structure is done instantly.

02 Never lose track of definitions again. Use `define_supertag` to establish new classification standards for your team, ensuring every record—whether it's a person or a project—is consistently tagged and searchable.

03 Build deep relationships between ideas without copy-pasting. By using `add_node_reference`, you create a direct link showing how one concept informs another, making your knowledge graph much richer than simple notes.

04 It handles specialized data types automatically. Need to log a date or an external source? Use `add_date_node` or `add_url_bookmark` so the node type is correct from the start, preventing manual cleanup later on.

05 You can build complex records with guaranteed structure by using `add_node_with_fields`. This forces your AI agent to capture not just text, but specific data points like status and owner in a structured format.

Real-World Applications

Structuring meeting action items

A project manager finished a call and needs the outcomes stored. Instead of pasting everything into a document, they prompt their agent: 'Log these minutes to my inbox, tag them as #meeting, and turn every actionable item into a checkbox task.' The system executes this using `add_tagged_node` and `add_checkbox_task`, delivering an organized record immediately.

Mapping out research outlines

A student is writing a thesis. They ask their agent to 'Create the main outline for Chapter 3, which needs three sub-sections.' The system uses `add_node_with_children` to build the framework and then links relevant sources using `add_node_reference`, creating an interconnected draft structure.

Logging client onboarding details

A sales team member finishes a discovery call. They prompt their agent: 'Create a new Client Profile for Acme Corp.' The MCP uses `add_node_with_fields` to ensure the profile captures mandatory data points like industry, contact person, and deal stage into specific fields.

Creating reusable templates

A team needs a consistent way to log weekly summaries. They prompt: 'Build a template node for Weekly Ops Review.' The system uses `add_node` and pre-populates it with necessary date fields (`add_date_node`) so everyone starts from the same structured base.

Patterns to Avoid

Treating Tana like a simple text editor

✗ AVOID

Pasting a huge block of meeting notes and hoping all the ideas magically stick together. This results in unlinked, unstructured paragraphs that are hard to query later.

✓ INSTEAD

Don't just paste. Tell your agent what structure you need. For example, prompt it to use `add_node_with_children` for the main topics and then run `add_tagged_node` on each one to ensure proper categorization.

Ignoring data schema requirements

✗ AVOID

Manually typing out a project status and forgetting to include the owner or due date. This creates 'dirty' nodes that cannot be filtered by your other tools.

✓ INSTEAD

Always use `add_node_with_fields`. This forces the AI agent to capture data into specific, mandatory fields, guaranteeing consistency across all records.

Mixing up ideas without linking

✗ AVOID

Having two separate notes—one on 'Q1 Marketing' and another on 'Website Redesign.' If they share a common goal, you have to remember to manually connect them.

✓ INSTEAD

When working with related concepts, immediately use `add_node_reference`. This creates the link in Tana for you, making the relationship explicit and queryable.

The Right Fit

Use this MCP if your workflow involves capturing complex, multifaceted data that needs to be searchable, interconnected, and consistently structured. If your notes contain outlines, task lists, defined categories, or references to other projects, this is the right tool because it treats unstructured thought like code. Don't use this

if you simply need a place to dump random thoughts; for basic note-taking, a simple text editor works fine. You should also avoid using this if your primary goal is just generating summaries—you need structure first. If your task involves building complex organizational schemas or enforcing data consistency across multiple documents, the ability to use `define_supertag` and `add_node_with_fields` makes this MCP essential.

The struggle of turning a conversation into actionable knowledge

Right now, when you finish a meeting or research session, the process is messy. You copy bullet points into Notion, then maybe paste action items into Asana, and finally manually tag everything in Obsidian. This means spending more time managing your notes than actually thinking.

With this MCP, your agent handles that entire handoff. Instead of manual copying and pasting across four apps, you prompt it once. The AI captures the main topic, assigns the right tags, builds the outline structure, and creates checkable tasks—all in Tana. You get a complete, linked knowledge object immediately.

Tana: Defining Supertags for Consistent Data

The biggest headache today is inconsistent data typing. One person calls it a 'Project ID,' another calls it an 'Initiative Number.' Your system breaks when the schema isn't enforced, forcing you to manually clean up every single record.

This MCP lets your agent use `define_supertag` to enforce strict rules across all your work. It makes sure that whether you are logging a project or a client, the data always adheres to the same defined structure, making everything reliably queryable.

Tana MCP: 10 Tools for Graph Operations

Use these tools to manage the entire lifecycle of your personal knowledge graph, from defining new concepts to creating complex nested outlines.

#	TOOL	DESCRIPTION
01	`add_checkbox_task`	Creates a simple checklist item or to-do task in your Tana inbox.
02	`add_date_node`	Generates a date-typed node, correctly formatted for calendar use, right into the inbox.
03	`add_node`	Creates a brand new concept or record in a specified Tana area like your Inbox or Library.
04	`add_node_reference`	Builds a link between two existing ideas, showing that one relates directly to the other.
05	`add_tagged_node`	Creates a new node and immediately applies a required classification tag (supertag) to it.
06	`add_to_inbox`	Quickly drops a brand new, untagged idea directly into the main Tana Inbox area.
07	`add_url_bookmark`	Creates a node specifically for a web link (URL), making it easily retrievable in your knowledge graph.
08	`add_node_with_children`	Generates a parent concept and automatically populates it with multiple, related sub-nodes underneath.
09	`add_node_with_fields`	Creates a highly structured node by requiring you to define its name, supertag, and specific field values using JSON data.
10	`define_supertag`	Sets up an entirely new classification category or metadata type (a Supertag) for your Tana workspace.

See It in Action

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

U Add a new conceptual outline to my Inbox. The main title should be 'Quarterly Product Strategy', and it should contain three specific child nodes functioning as checkable tasks.

Processing graph entry natively...
Executing `add_node_with_children` with root name: 'Quarterly Product Strategy'.
Child items initialized safely as text nodes temporarily...
Converting children to executable tasks sequentially using `add_checkbox_task` targeting the new node parent ID. The workflow is completed synchronously in your Inbox.

U Create a new node 'Meeting Notes format' structured in our weekly workspace.

Compiling cognitive envelope using `create_node`...
New node 'Meeting Notes format' instantiated successfully in the weekly workspace.
Node ID generated: `node-7bx9`. You can now map sub-nodes or supertags to this base.

U Search my Tana knowledge base for nodes tagged with '#project'.

Querying your graph environment ('search_nodes')...
Found 4 operational nodes bearing the `#project` supertag:
- 'Website Redesign'
- 'Q3 Marketing Push'
- 'API Deprecation'
- 'Cloud Migration'

Frequently Asked Questions

01 **How do I start with Tana and this MCP?**

You first need to add the Tana module in your Vinkius connective logic workspace. Then, you secure an API token from Tana's side and pass that credential into your local environment for the agent to use.

02 **Can I use Tana MCP to build outlines?**

Yes. You can generate a parent node and automatically populate it with multiple, structured child nodes using `add_node_with_children`, perfect for outlining strategies or reports.

03 **What if my data needs specific fields like 'Owner'?**

You use the `add_node_with_fields` tool. This forces your agent to capture not just text, but also structured values for defined fields (like status or owner) when creating a record.

04 **Is Tana MCP only for linking ideas?**

No, it does much more than linking. It allows you to define the fundamental data types themselves by using `define_supertag`, which is key for maintaining system integrity.

05 **How do I make a task list that works with Tana MCP?**

You can use `add_checkbox_task` to create a simple checklist item in the inbox. This tool ensures the output is an executable, structured task type.

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 `"tana": { "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

Tana 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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