MCP SERVER | NO CODE | CLOUD HOSTED

Mem AI Knowledge MCP

Search, structure, and synthesize your entire knowledge base.

Mem AI (Knowledge Workspace) connects your agent directly to the Mem.ai knowledge platform. Use this MCP to turn conversation into structured, retrievable knowledge. You can create new notes instantly using Markdown, run deep semantic searches across every document, and organize everything into thematic collections.

A+ Quality Score 100/100

knowledge-base | semantic-search | markdown-notes | information-retrieval | personal-knowledge-management

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vinkius.com/mcp/mem-ai-knowledge-workspace

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.

Mem AI (Knowledge Workspace) MCP

12 tools available
Cloud-hosted on Vinkius

Your agent takes full control of your personal and team knowledge in Mem.ai. Instead of manually navigating a dashboard or searching keyword by keyword, you simply talk to your AI client about the information you need. The system handles the retrieval process, using semantic search to find notes based on meaning, not just matching words. You can create new ideas—or 'mems'—in Markdown format directly from the chat window, keeping your thought process logged instantly. Need to organize a project? Establish thematic groupings and attach all relevant documents automatically. This MCP makes sure every piece of information you collect is searchable and contextually mapped. It's the core knowledge layer that lets you work with data conversationally, making it available through Vinkius, right alongside thousands of other tools.

Core Capabilities

01 — Build New Knowledge Notes

Instruct your agent to generate a new note using Markdown formatting and save it immediately into the workspace.

02 — Semantic Information Search

Ask the agent complex questions, and it will search all indexed notes for information relevant to the meaning of your query.

03 — Retrieve Specific Context Details

Give the agent a specific note ID and have it fetch the full text body and associated metadata for precise details.

04 — Manage Thematic Collections

Ask to list or create defined thematic groupings, keeping related notes structurally organized.

05 — Capture Quick Thoughts

Trigger rapid capture blocks for links or raw ideas without needing to open a separate manual note-taking page.

06 — Update Existing Records

Tell the agent to change content in an existing note while making sure historical context remains intact.

One Click on Vinkius — From Prompt to Execution

Available at **vinkius.com/mcp/mem-ai-knowledge-workspace** — connect your AI agent in three steps.

01 Subscribe to this MCP and provide your Mem.ai API Key.

02 Connect your preferred AI client (like Cursor or Claude) to the Vinkius Catalog.

03 Use natural language prompts in your agent chat to initiate knowledge actions, such as requesting a search or asking to create new notes.

The bottom line is that you get an integrated layer over Mem.ai's powerful search and organizational tools, accessible through any MCP-compatible client.

Built For

This connection is for the knowledge worker who spends too much time switching between a CRM, a notes app, and Google Docs just to compile one report. You're done with siloed information.

Technical Consultant

Using your agent to search all project documents for specific technical specs or client feedback before an architecture meeting.

Researcher

Asking the agent to synthesize research findings from hundreds of disparate articles and notes into a structured literature review draft.

Project Manager

Maintaining an up-to-date knowledge repository by having your agent log meeting decisions and attach them to the correct project collection in real time.

What Changes When You Connect

01 Stop relying on keyword matches. Use `search_mems` to find information based purely on meaning, allowing you to retrieve context from notes that don't explicitly mention the topic.

02 Maintain project boundaries by using `create_collection` and then assigning related documents with `add_mem_to_collection`. This keeps your knowledge organized by theme, not just date.

03 Capture ideas instantly. The `mem_it` tool lets you log quick links or raw thoughts into the system without breaking flow, treating every thought as indexed data.

04 Keep project logs current with confidence. Instead of overwriting notes entirely, use `update_mem` to append new meeting decisions while preserving the historical context needed for audits.

05 Understand your knowledge footprint by running `list_mems`. This gives you a clear inventory of every note and collection across your team's work.

Real-World Applications

Synthesizing competitive research

A marketing director needs to compare competitor feature sets from 50 different articles. Instead of manually reading everything, they ask their agent to use `search_mems` for 'pricing model' and 'API integration'. The agent pulls the most relevant notes and summarizes the differences into a single document.

Onboarding new team members

A project manager needs to train a new hire on an old product line. They use their agent to `list_collections` for 'Product X Manuals' and then ask the agent to summarize all notes attached to that collection, ensuring no critical step is missed.

Debugging complex code issues

A developer encounters a rare bug. They use their agent to `get_mem` for specific error logs from last week and then ask the agent to compare those notes against current documentation, instantly finding the relevant fix or workaround.

Archiving completed projects

At the end of a client engagement, an account manager uses their agent to `create_collection` called 'Client Alpha Wrap-up'. They then run multiple commands to attach all related meeting notes and deliverables into that single collection.

Patterns to Avoid

Treating it like a simple file vault

✗ AVOID

Thinking you just need to dump documents in the system; this misses the point of semantic search.

✓ INSTEAD

Don't just upload files. Use `create_mem` and feed your ideas into Markdown first, allowing the AI to index them as active knowledge vectors for powerful retrieval.

Forgetting history

✗ AVOID

Using a simple overwrite tool that destroys past edits when updating project notes.

✓ INSTEAD

Always use `update_mem` with instructions to append new information, ensuring the historical context of the note remains readable and retrievable.

Over-relying on keywords

✗ AVOID

Asking the agent a question but only providing rigid bullet points or specific terminology.

✓ INSTEAD

Use natural language conversations. Let your agent run `search_mems` based on how you *think* about the problem, not just what words appear in the notes.

The Right Fit

Use this MCP if your primary pain point is information retrieval and synthesis—if you need to find connections between disparate ideas across massive bodies of text. This tool gives you the connective tissue for a personal knowledge graph.

Don't use it if all you need is simple storage or basic CRUD operations outside of a structured note-taking format (like just listing files). If your goal is purely database management, look into specialized data connectors instead. However, even in those cases, if the information needs to be contextualized and retrievable by *meaning*, this MCP's semantic search tools are unmatched.

The modern knowledge worker doesn't have a single source of truth.

Today, finding one piece of information requires clicking through five different tabs: the CRM for client names, Notion for meeting summaries, Google Drive for attachments, and email archives for context. You spend more time aggregating data than actually analyzing it. It’s a brutal cycle of copy-pasting notes into a single master document.

With this MCP, you tell your agent what you need to know—for example, 'What were the key concerns from our Q2 review regarding API latency?' The agent handles the complex search and retrieval across all your collections and notes. You get one synthesized answer in seconds, without leaving the chat window.

Structuring knowledge with Mem AI (Knowledge Workspace)

You don't have to manually create a new folder structure every time a project changes. Instead of managing individual files, you simply ask your agent to define a thematic grouping and use `add_mem_to_collection` to attach all related notes automatically.

The result is a living, interconnected knowledge graph that grows with you. The data isn't just stored; it’s structurally managed so the AI can understand its context every time you ask a question.

Mem AI (Knowledge Workspace) with 12 Tools

These twelve tools allow you to manage the full lifecycle of your personal knowledge: from capturing raw thoughts to running deep semantic searches and structuring thematic collections.

#	TOOL	DESCRIPTION
01	`create_mem`	Generates a new note using Markdown formatting, immediately indexing the content for future searches.
02	`list_mems`	Retrieves basic identifiers and the raw body content for all notes across your entire workspace.
03	`get_mem`	Fetches the full context, metadata, and specific details of a note using its unique ID.
04	`update_mem`	Overwrites the content of an existing note with new text provided by your agent.
05	`delete_mem`	Permanently removes a specific note document from the entire knowledge base; no recovery is possible.
06	`search_mems`	Performs an advanced search across all indexed notes, finding information based on underlying meaning rather than keywords.
07	`mem_it`	Triggers a quick capture shortcut to log links or snippets into the workspace without manual navigation.
08	`list_collections`	Queries and lists all thematic collections (folders) currently defined in your knowledge base.
09	`create_collection`	Establishes a new, logical container or grouping for related notes within the system.
10	`get_collection`	Retrieves metadata and details about a specific thematic collection you want to inspect.
11	`add_mem_to_collection`	Attaches an existing note into one of your defined thematic collections, structurally organizing it.
12	`list_collection_mems`	Queries and lists all individual notes that have been assigned to a specific collection.

See It in Action

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

U Search my mems for anything related to 'quarterly business review'

Searching semantically... I've identified 3 relevant mems: 1) 'Q1 Review Goals', 2) 'Draft slides for QBR', and 3) a note about 'Revenue projections' that matches the context. Would you like me to retrieve the full content of the QBR slides draft?

U Create a new mem with today's standup notes in Markdown

Mem created successfully! I've logged your standup notes into your workspace. New Mem ID: 'mem-12345'. Would you like me to add this mem to your 'Engineering Standups' collection?

U List all my thematic collections in Mem

I've retrieved your collections: 'Project Alpha', 'Meeting Archives', 'Personal Research', and 'Reading List'. Which one would you like to explore or add a new note to?

Frequently Asked Questions

01 **How does Mem AI (Knowledge Workspace) MCP handle search?**

It uses semantic similarity, meaning it searches based on the *meaning* of your query rather than just matching keywords. This lets you find relevant context even if the notes use different terminology.

02 **Can I organize my documents into specific groups with Mem AI (Knowledge Workspace) MCP?**

Yes, you can establish thematic groupings using `create_collection` and then attach related notes to them for structural organization. This keeps your knowledge segmented by project or topic.

03 **If I use mem_it, does it just save a link?**

No, the `mem_it` tool generates an automated block that captures links or raw thoughts and indexes them immediately into your workspace, making them searchable alongside your full notes.

04 **Is there a way to update old notes using Mem AI (Knowledge Workspace) MCP?**

Yes, the `update_mem` tool allows you to modify existing content. It's crucial to use this carefully, as it replaces the text, so always confirm what needs appending.

05 **How do I get a full history of notes in Mem AI (Knowledge Workspace) MCP?**

You can run `list_mems` to retrieve identifiers and raw bodies for all notes, giving you a comprehensive overview of your entire knowledge base.

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 `"mem-ai-knowledge-workspace": { "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

Mem AI (Knowledge Workspace) 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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