MCP SERVER | NO CODE | CLOUD HOSTED

OneNote MCP

Search and organize your notes like a database.

OneNote MCP connects your AI agent directly to Microsoft OneNote, treating your entire collection of notes like a single digital brain. Your agent can instantly search across thousands of pages, map complex notebook structures, and pull out raw text content without you ever leaving the chat interface.

A+ Quality Score 100/100

digital-notebook | content-management | information-retrieval | document-organization | personal-knowledge-base

MAINTAINED BY VINKIUS CLOUD FOR AI AGENTS · JUNE 2026
vinkius.com/mcp/onenote

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.

OneNote MCP

7 tools available
Cloud-hosted on Vinkius

Imagine having every meeting note, research citation, and brainstorm session stored in Microsoft OneNote suddenly accessible to your AI client. This MCP lets your agent dive into your personal or corporate notebooks like a librarian finding one specific card in a vast archive. Instead of manually clicking through nested sections and pages, you simply ask the question. Your agent then finds it—it searches global page content for keywords across all active notes, pulls out only the raw text from the relevant section, and even maps the entire structural hierarchy so you know exactly where everything lives.

It's a huge time saver. You can get your AI client to append quick summaries or thoughts directly into an existing note right from our chat conversation. This capability turns OneNote from just storage into an active knowledge base. With Vinkius, this MCP gives your agent the deep context it needs to work with complex documents instantly.

Core Capabilities

01 — Global Knowledge Search

It searches across all your notebooks and pages for specific keywords or phrases, regardless of how deeply they are filed.

02 — Raw Text Extraction

It pulls the plain written text from any single page, bypassing OneNote's complex formatting so you get clean data.

03 — Structural Mapping

It generates a map of your entire organizational logic, listing notebooks, section groups, and sections in order.

04 — Content Appending

You can send text blocks or summaries directly into an existing notebook section using the chat interface.

One Click on Vinkius — From Prompt to Execution

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

01 First, enable this local MCP integration and provide your AI client with a Microsoft Graph Access Token scoped to OneNote.

02 Next, you simply write natural language commands into your agent, asking it to find specific information or map out your notes' structure.

03 The AI uses the connected tools to search the content, extract the text, or append new material, presenting only the actionable result back to you.

The bottom line is that your AI agent treats your private OneNote files like a database it can query in real time.

Built For

Anyone whose job involves managing or retrieving large volumes of unstructured text—researchers, project leads, and corporate knowledge workers. This is for people tired of wasting hours clicking through folder structures just to find one sentence.

Project Manager

Pulling specific meeting decisions or action items from deep archive notes across multiple team members' notebooks.

Researcher

Traversing massive personal knowledge bases to find obscure citations, dates, or quotes needed for a paper.

Executive Assistant

Reviewing lengthy draft documents and appending brief, contextual summaries or follow-up tasks into the executive planner notes.

What Changes When You Connect

01 Stop manual searching. Use the `search_pages` tool to find specific keywords across every notebook instantly, eliminating time spent clicking through folders.

02 Get clean data without formatting headaches. The `get_page_content` tool pulls raw text from any page, letting you process content exactly as plain text should be.

03 Map your entire knowledge base. By using `list_notebooks`, `list_section_groups`, and `list_sections`, your agent builds a complete structural map of your work.

04 Keep notes current. Use the built-in appending capability to send summaries or quick thoughts directly into an existing section from our chat conversation.

05 Deep dive into structure. The `list_pages` tool gives you metadata for all pages in a section, letting you index and reference content without needing to read every page first.

Real-World Applications

Finding the one meeting decision from six months ago

A project lead needs to verify which team member agreed on the new API endpoint. Instead of opening dozens of old meeting notes, they ask their agent to `search_pages` for 'API endpoint agreement'. The agent instantly finds the correct paragraph across all notebooks and extracts it.

Structuring a large research paper

A researcher has citation notes scattered over years. They use the agent to `list_notebooks`, then map the structure using `list_section_groups`. This shows them all related sections, letting them quickly pull citations needed for a bibliography.

Summarizing an executive update

An assistant receives a massive document with notes from three different departments. They ask the agent to read the content and summarize it, using the appending feature to drop the final summary right into the 'Weekly Report' section.

Archiving knowledge for future use

A consultant finishes a major client project and needs to save all key decisions. They instruct the agent to gather notes from specific sections using `list_pages` first, then ask it to compile and append that clean text into a 'Project Archive' notebook.

Patterns to Avoid

Asking for general context

✗ AVOID

Writing, 'Tell me about my notes from Q3.' This is too vague; the agent doesn't know which notes you mean or how deep to look.

✓ INSTEAD

Be specific. Use a tool like `search_pages` and ask: 'Search pages for keywords related to 'Q3 marketing budget'. This forces the agent to use its powerful, targeted search capability.'

Assuming data structure

✗ AVOID

Telling the agent, 'Go find the notes in the finance section.' The agent doesn't know if you mean a section or a group.

✓ INSTEAD

First, map the hierarchy. Use `list_notebooks` to get all containers, then use `list_section_groups` and `list_sections` to define your path clearly before asking for content.

Asking for formatted output

✗ AVOID

Requesting the 'full document with colors and tables.' You only get complex HTML that's hard to use.

✓ INSTEAD

Always ask the agent to `get_page_content`. This forces it to extract the raw, clean text you can actually copy, paste, or process further.

The Right Fit

Use this MCP if your primary pain point is retrieving specific, stored information from a highly structured source like Microsoft OneNote. You need to know *what* was written and *where* it lives—whether that's a citation buried in an old section or a keyword mentioned across ten different notebooks. Don't use this if you need real-time web data (like checking today's stock price) or if your notes are spread across many non-connected services, because this connector only works within the OneNote ecosystem. If you just need to write a simple note, you don't need it; but if you need to find and pull structured context from years of institutional memory, this is exactly what you need.

The Struggle with Digital Archives

Right now, finding a single piece of information means opening OneNote. You navigate through notebook groups and sections until you hit the right folder, then click into multiple pages. If the note is old or buried deep in a rarely used section, you waste ten minutes clicking around just to find the correct location.

With this MCP, your agent handles the navigation entirely. Instead of manual clicks and searching through nested folders, you simply ask for the information using natural language. It finds the page ID, extracts the content, and gives you clean text instantly. You get context, not a folder structure.

Accessing OneNote Content with `get_page_content`

The biggest manual step that goes away is the copy-paste headache. When you read content in one of your notes, it often comes wrapped in proprietary formatting or complex HTML tags, making plain text extraction a pain.

Now, when you use the agent to fetch content via `get_page_content`, it delivers the pure written material. You get actionable data that's ready for immediate analysis, without needing cleanup.

OneNote with 7 Tools

These tools give your agent the ability to navigate every part of OneNote's structure—from listing main containers to pulling raw content from individual pages.

#	TOOL	DESCRIPTION
01	`list_notebooks`	Lists all primary notebooks available in your OneNote structure.
02	`get_notebook`	Retrieves detailed information about a specific, named notebook container.
03	`list_sections`	Finds all sections inside a given notebook, helping you narrow down the content scope.
04	`list_pages`	Lists metadata (titles and IDs) for every page within a specific section.
05	`get_page_content`	Extracts the actual written text content from one chosen page.
06	`search_pages`	Searches for a keyword or phrase across all your notebooks globally, instantly.
07	`list_section_groups`	Maps out multi-layered organizational groupings, useful for textbook or curriculum structures.

See It in Action

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

U Search globally across my entire OneNote environment finding paragraphs explicitly mentioning Project Alpha.

Global search traversed. Found precisely 3 matches bounding inside the notebook '2023 Strategy'. One match points specifically within 'Q3 Objectives' page highlighting architectural boundaries. Shall I extract the explicit body content from that page locally?

U List all active structural Notebooks visibly mapping currently in my domain.

Enumerated 4 main explicit organizational Notebooks natively. We observe 'Personal Notes', 'Work Reference Base', 'Marketing Meetings 24', and explicitly 'Drafts'. Would you like me to map the exact sections nested inside the 'Work Reference Base' specifically?

U I need the exact written contents housed within page ID 1-3xx45... immediately.

Target page contents successfully dumped bounding natively. The text asserts a series of meeting notes dated Monday clearly outlining the revised UI design specifications and highlighting assigned sprint velocity points for backend devs gracefully logically ordered. I can summarize it entirely.

Frequently Asked Questions

01 **How does OneNote MCP search across my entire notebook?**

The `search_pages` tool allows the agent to run a global keyword search across all your active notebooks simultaneously. This avoids searching just one section or one page at a time.

02 **Is OneNote MCP suitable for reading images embedded in my notes?**

The primary function is text extraction and searching, so it's best for written content. While the tool can index metadata, getting readable data requires specific tools like `get_page_content`.

03 **Can I use OneNote MCP to create new notebooks?**

The current scope focuses on reading and structuring existing notes. You must rely on native OneNote features to create brand-new containers; the MCP is for access, not creation.

04 **How do I map out my entire corporate knowledge base using OneNote MCP?**

You combine several tools: use `list_notebooks` first, then `list_section_groups`, and finally `list_sections`. The agent can traverse this structure to give you a complete organizational overview.

05 **What is the difference between list_pages and get_page_content in OneNote MCP?**

`list_pages` only retrieves metadata, giving you IDs and titles. `get_page_content`, however, performs the deeper action of retrieving the actual raw text written on that specific page.

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 `"onenote": { "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

OneNote 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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DOCUMENT INFORMATION

Generated	June 2026
MCP Server	OneNote MCP
Server ID	`019d75e5-a62b-735f-9923-e0db8499676e`
Platform	Vinkius Cloud for AI Agents
Endpoint	`https://edge.vinkius.com/{token}/mcp`

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