MCP SERVER | NO CODE | CLOUD HOSTED

Nextcloud MCP

Manage files, shares, and user status via chat.

Nextcloud MCP connects your self-hosted cloud instance to any AI agent. Use this connector to manage files, folders, and shares; list user profiles, or change team status updates directly from natural conversation. It gives your agent full administrative control over your productivity suite.

A+ Quality Score 98.33/100

file-sharing | cloud-hosting | self-hosted | user-management | status-tracking

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vinkius.com/mcp/nextcloud

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.

Nextcloud MCP

16 tools available
Cloud-hosted on Vinkius

If your company runs a self-hosted Nextcloud environment, this MCP lets your AI client take direct control of it. You manage the whole system—files, permissions, user presence—without opening another tab or dashboard. Need to delete an old folder? Just ask. Want to set your team's online status and message it automatically? Done. It's about turning complex administrative actions into simple commands within your chat environment. Because we host all these specialized connections at Vinkius, you connect once from your preferred AI client and get access to this full suite of cloud tools right away.

Core Capabilities

01 — Manage files and folders

Create, list, or delete documents and directories within the Nextcloud storage.

02 — Control user status and profiles

Check current user details, retrieve full user profiles, or set custom online statuses for your team.

03 — Govern data sharing

Generate new shares—for users, groups, or public links—and adjust their permissions and passwords.

04 — Administer system settings

Inspect the server's capabilities and manage app credentials directly from your agent.

05 — Track activity and presence

Monitor recent changes across the cloud or fetch the current online status of other users.

One Click on Vinkius — From Prompt to Execution

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

01 Subscribe to this MCP on Vinkius, providing your Nextcloud URL, username, and App Password.

02 Connect your agent from Claude, Cursor, or any compatible client. The connection authenticates your credentials against the self-hosted instance.

03 Use natural language prompts to issue commands, such as 'create a public share for Project Gamma' or 'list all users'. The MCP executes the action and reports the result.

The bottom line is you treat complex cloud administration like chatting with a teammate who already has access to your system.

Built For

This is for self-hosters, ops engineers, and project managers running internal Nextcloud instances. If you spend time switching between the chat window and the cloud admin dashboard, this MCP saves those clicks.

System Administrator

Manages user accounts, checks server capabilities via get_capabilities, and deletes outdated app passwords using delete_app_password.

Project Manager

Creates secure shares for specific teams or groups using create_share and manages document lifecycles by calling delete_file.

Team Lead

Keeps the team informed of availability by checking user status with get_user_status or setting a custom message with set_user_status_message.

What Changes When You Connect

01 Automate file operations. Instead of using the web interface to create a folder or delete old documents, just ask your agent to `create_folder` or `delete_file`. It happens instantly.

02 Control team visibility. Quickly check who's online with `get_user_status`, and set custom messages for everyone else by calling `set_user_status_message`. Keep the team in sync without opening a dedicated chat tool.

03 Streamline sharing governance. Generating secure shares is simple: use `create_share` to quickly grant access to specific groups or users, setting precise permissions right from your conversation.

04 Perform admin tasks easily. Don't waste time navigating role menus. You can inspect server capabilities with `get_capabilities` and manage user lists using `list_users`, all through a simple command.

05 Centralize auditing. Get an immediate overview of what happened across the team by calling `list_activities`. This centralizes monitoring that used to require digging into multiple logs.

Real-World Applications

Onboarding a new client folder

A project manager needs a dedicated, read-only space for external consultants. Instead of manually creating the directory and sharing it in three steps, they ask their agent to first `create_folder` within /Client-X/ and then use `create_share`, specifying public link access with read permissions.

Checking team availability before a call

A team lead needs to know if two specific members are available for an emergency meeting. They prompt their agent to run `get_user_status` on both accounts, getting instant confirmation of who is online or currently set to 'away'.

Cleaning up old documentation

An engineer realizes a massive folder from last quarter needs removal. Instead of manually navigating and deleting hundreds of files, they ask their agent to `delete_file` for the entire archive path, confirming deletion instantly.

Auditing user access rights

The system administrator needs to audit who has access to sensitive data. They run `list_shares` and then use `get_user` on specific accounts to verify roles and permissions across the entire instance.

Patterns to Avoid

Manual API scripting

✗ AVOID

Writing a Python script or using Postman to manually call separate endpoints for listing users, then creating shares, then setting status updates.

✓ INSTEAD

Connect this MCP via Vinkius. Your agent handles the sequence of calls internally when you ask it to 'Audit user access and set team status'—it's all one prompt.

Over-sharing credentials

✗ AVOID

Having to copy-paste multiple API keys or passwords into various developer tools just to perform basic file operations.

✓ INSTEAD

You only authenticate once with your Nextcloud URL, username, and App Password. The MCP manages the secure connection for all subsequent actions.

Using generic cloud tooling

✗ AVOID

Relying on a general-purpose connector that can list files but doesn't understand specific user roles or share types (User, Group, Public Link).

✓ INSTEAD

This MCP understands Nextcloud specifics. You use `create_share` and specify the exact share type you need to ensure permissions are set correctly from day one.

The Right Fit

Use this MCP if your core workflow involves managing files, user access, or team presence within a self-hosted Nextcloud environment. You need to treat cloud administration like chatting with a colleague—simple, conversational, and immediate. Don't use it if you only need general file storage; that's fine for any basic connector. But don't use it if your primary need is complex data transformation or database interaction; those require different connectors (like SQL MCPs). This tool excels at *governance* and *actioning* within the Nextcloud ecosystem, not on data outside of it.

The friction point: Managing cloud permissions across multiple tools.

Today, managing a self-hosted cloud involves jumping between five different places. You log into the web UI to create a folder, switch to the sharing tab to set permissions, and then open the user profile page just to check if someone is online. If you need to delete something or change a share link, it's another manual click sequence that eats time.

With this MCP, your agent handles all of that complexity in one conversation. You don't navigate; you just tell the system what needs doing. It executes `create_folder`, manages permissions via `create_share`, and confirms the action—all without leaving your chat window.

Nextcloud MCP: Instant visibility into files, shares, and user status.

Gone are the days of having to manually run reports or click through multiple dashboards just to audit what happened. You can instantly call `list_activities` to see a full timeline of changes, or use `get_user_status` to check on team members.

Now, everything is unified under natural conversation. Your agent doesn't just describe the state; it performs the action for you. That’s the difference between reading a report and fixing the problem.

Nextcloud with 16 Tools

These tools let you perform every administrative function in Nextcloud—from creating folders to managing user credentials—all through simple, direct commands.

#	TOOL	DESCRIPTION
01	`get_capabilities`	Retrieves detailed information about the Nextcloud server's supported features and apps.
02	`create_folder`	Builds a new directory within your Nextcloud storage structure.
03	`create_share`	Establishes a new share, specifying whether it belongs to a user, group, or is open to the public.
04	`delete_app_password`	Removes an existing application password associated with your account for security reasons.
05	`delete_file`	Permanently removes a specified file or folder from the Nextcloud storage.
06	`delete_share`	Removes an existing share, ensuring that access is revoked across all linked users.
07	`get_app_password`	Generates a brand new app password for use in external applications after authenticating with your main account credentials.
08	`get_user_status`	Checks the current online status of the user linked to this MCP.
09	`get_user`	Fetches detailed profile information for a specific Nextcloud user by their ID or username.
10	`list_activities`	Retrieves a feed of recent actions and changes that happened across the entire cloud environment.
11	`list_files`	Shows all files located within a specified directory path in Nextcloud.
12	`list_shares`	Lists every share currently configured across the entire instance for auditing purposes.
13	`list_users`	Provides a comprehensive list of all user accounts registered in the Nextcloud system (requires admin rights).
14	`set_user_status_message`	Updates your personal online status message with custom text and emojis.

#	TOOL	DESCRIPTION
15	set_user_status	Changes the overall visible online status of the connected user (e.g., online, away).
16	update_share	Modifies the permissions or settings of an existing share to reflect new access requirements.

See It in Action

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

U Show me the capabilities and enabled apps of my Nextcloud server.

I've retrieved your server capabilities. You are running Nextcloud 27.1.0. Enabled apps include Files, Photos, Talk, and Calendar. Your server supports large file uploads up to 10GB.

U Create a public share link for the folder '/Documents/Project-Alpha' with read-only permissions.

I've created the public share for '/Documents/Project-Alpha'. The share ID is 45. You can access it via the generated public link. Permissions are set to Read (1).

U Set my status to 'away' and my message to 'Out for lunch' with a pizza emoji.

Your status has been updated to 'away' and your custom message is now 'Out for lunch 🍕'.

Frequently Asked Questions

01 **How do I list all users with Nextcloud MCP?**

You use the `list_users` tool. Be aware that this action requires administrator privileges on the connected Nextcloud instance to run successfully.

02 **Can Nextcloud MCP set my online status message?**

Yes, you can update your personal status and custom message using `set_user_status_message`. This is useful for telling colleagues when you'll be back after lunch.

03 **What is the difference between list_files and list_activities in Nextcloud MCP?**

The tools serve different purposes. `list_files` shows the physical contents of a specific folder path, while `list_activities` provides an audit log of actions taken across the entire system.

04 **Do I need developer skills to use Nextcloud MCP?**

No. You interact with this MCP using plain English conversation through your agent. The tool handles all the underlying code and API calls for you.

05 **How do I generate a new app password with Nextcloud MCP?**

You call `get_app_password`. This process requires that you first authenticate using your main user credentials to ensure security before generating the key.

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 `"nextcloud": { "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

Nextcloud 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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