MCP SERVER | NO CODE | CLOUD HOSTED

100ms MCP for AI Agents

Control live video rooms and monitor session participants from anywhere

100ms MCP connects your AI agent directly to live video infrastructure management. Use it to list all virtual rooms, monitor active sessions in real time, or instantly kick participants out of a meeting using natural conversation. It gives you full operational control over your 100ms account.

A+ Quality Score 100/100

livestreaming | real-time-audio | video-rooms | session-monitoring | webhooks | api-integration

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vinkius.com/mcp/100ms

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.

100ms MCP

9 tools available
Cloud-hosted on Vinkius

This connection lets your AI client manage everything happening in your live video setup without needing to click through complex dashboards. Need to know what rooms are running? Your agent can list all virtual spaces and even pull deep technical metadata on them. If a meeting is active, you can track who attended past sessions or see exactly which peers are joined right now. You can also kick out disruptive participants instantly by name or ID, recording the reason for the removal automatically. The platform's catalog of MCPs, Vinkius, makes this connection simple; just plug it in and start talking to your video infrastructure like you're talking to a coworker.

This means troubleshooting connectivity issues or auditing room settings becomes a chat command away.

Core Capabilities

01 — List all virtual rooms

Finds every single video room in your 100ms account by listing their IDs and names.

02 — Create or modify a meeting space

Establishes new video rooms or updates the settings of existing ones to match specific requirements.

03 — Track active and past sessions

Retrieves details on video sessions, allowing you to monitor who attended or review history across your organization.

04 — List participants in a session

Identifies every peer currently connected to an active meeting by listing their unique IDs and roles.

05 — Remove specific users from meetings

Kicks or removes individual participants from live sessions using both the required session ID and the target peer ID, noting the reason for removal.

06 — Browse cloud recordings

Locates recorded video content, filtering by room name or whether the recording status is completed, failed, or processing.

One Click on Vinkius — From Prompt to Execution

Available at **vinkius.com/mcp/100ms** — connect your AI agent in three steps.

01 Subscribe to this MCP on Vinkius and supply your 100ms Management Token.

02 Connect your preferred AI client (like Cursor or Claude) using the provided credentials.

03 Tell your agent what you need done—for example, 'List all my rooms' or 'Kick participant X from session Y.' The MCP translates that request into direct API calls.

The bottom line is: it lets your AI client act as a dedicated video operations assistant, giving you command-line control over features usually locked deep inside the 100ms dashboard.

Built For

This MCP is built for technical roles that spend time managing complex communications infrastructure. Platform engineers and support teams benefit most from automating repetitive checks, while Community Managers rely on it to moderate live events without manual clicks.

Platform Engineer

Uses the MCP to monitor active video sessions and troubleshoot participant connectivity issues by retrieving metadata.

Community Manager

Manages live room setup, moderates participants during events, and audits room settings without navigating complex dashboards.

Technical Support Specialist

Looks up past session details and participant history to provide rapid, accurate technical assistance when a client calls in.

What Changes When You Connect

01 Eliminate dashboard hopping. Instead of manually clicking through tabs to check room status, you just ask your agent to list all virtual rooms using `list_rooms`.

02 Stop wasting time finding IDs. Need to know the unique identifiers for a session or participant? Just run `get_session` or `list_peers` and get the data instantly.

03 Moderation is immediate. If someone breaks rules, you don't navigate menus; you tell your agent to use `remove_peer`, providing the reason directly in chat.

04 Audit video setups fast. You can quickly verify complex configurations by calling `get_room` and reviewing all associated metadata without logging into the web UI.

05 Never miss a meeting recording. Use `list_recordings` to see if a specific event was captured, filtering results by status or room ID.

Real-World Applications

Emergency participant removal during a Town Hall

A Community Manager sees disruptive behavior. Instead of scrambling for the dashboard and trying to find the right user in a crowd, they tell their agent: 'Remove peer-123 from session sess-abc for spamming.' The action completes instantly.

Auditing video room metadata before launch

A Product Team member needs to ensure all new meeting spaces meet compliance standards. They instruct their agent to use `get_room` on a list of IDs, getting back the full configuration data for review.

Investigating a failed session recording

A Support Team member needs to find out why a meeting didn't record. They ask their agent to use `list_recordings`, filtering by 'failed' status and the specific room ID, getting immediate actionable results.

Checking who was present at an old event

An engineer wants a roster of attendees from last week's training. They ask their agent to use `list_sessions`, specifying the date range and room ID, retrieving a full list of participants.

Patterns to Avoid

Using generic platform commands

✗ AVOID

Trying to kick someone by just typing their name into the chat window. The system won't know which session they are in or if that user ID is correct.

✓ INSTEAD

Always provide specific IDs when managing participants. To remove a peer, you must use `remove_peer` and supply both the unique `session ID` and the target `peer ID`.

Manually checking room settings

✗ AVOID

Logging into the 100ms dashboard, navigating to the 'Settings' tab, and finding a specific template ID. This takes several clicks and is prone to human error.

✓ INSTEAD

Just ask your agent to use `get_room` with the required room ID. It instantly returns all necessary configuration data for you.

Confusing session status

✗ AVOID

Assuming a meeting happened because people talked about it, but having no proof of attendance or timing.

✓ INSTEAD

First, use `list_sessions` to confirm the existence and date of the meeting. Then, use `get_session` with the unique ID to get full metadata and participant history.

The Right Fit

Use this MCP if your job involves frequently managing, monitoring, or troubleshooting real-time video communications—think technical support, community moderation, or platform engineering. You need to know who's in a room, what the settings are, or kick someone out right now. Don't use it if you just need general marketing insights about video hosting; this is purely operational control.

If your core task is simply listing available rooms, `list_rooms` gets you 80% of the way there. But if you also need to see who was *in* those rooms or manage recordings, you'll need the full power of `list_sessions`, `list_peers`, and `list_recordings`. This MCP gives you that complete operational loop.

Managing 100ms Video Rooms with AI Agents

Right now, managing live video rooms is a nightmare of tabs. You have to jump into the dashboard, find the right room ID, check its settings for templates, then manually copy-paste that data somewhere else for your team to review. It's slow, and you almost always miss a crucial metadata field.

With this MCP connected, you just ask your agent: 'What are the full details for the Town Hall room?' The system instantly retrieves all configuration details using `get_room` and presents it cleanly. You get accurate, structured data in seconds.

Live Video Moderation with 100ms MCP for AI Agents

If a participant starts harassing others or sharing sensitive info, the manual process is: notice it, try to find their ID, open the moderation panel, select them, and then click 'Kick' while also typing in the reason. It’s a multi-step, high-stress dance.

Now, you tell your agent: 'Remove participant peer-123 from session sess-abc for violating guidelines.' The MCP handles the IDs and the action seamlessly. You get immediate confirmation that the removal was logged successfully.

9 Tools for 100ms Live Video Session Management

Manage everything from listing all virtual rooms to removing specific peers in real-time sessions with these tools.

#	TOOL	DESCRIPTION
01	`list_rooms`	Retrieves a list of all video rooms currently set up in your 100ms account.
02	`get_room`	Pulls the specific configuration and detailed metadata for one designated video room, requiring its unique ID.
03	`create_room`	Establishes a brand-new video room on your account when you need to host or start a meeting space.
04	`update_room`	Modifies the settings of an existing video room, which requires knowing the specific room ID.
05	`list_sessions`	Finds details about active or completed video sessions, letting you filter by room ID or session status.
06	`get_session`	Retrieves the full metadata and details for a specific video session using its unique identifier.
07	`list_peers`	Lists every participant currently connected within an active video session, requiring the session ID.
08	`remove_peer`	Removes or kicks a specific participant from a live session using both the session ID and the peer's unique ID.
09	`list_recordings`	Browses available cloud recordings, with optional filtering by room name or recording status (e.g., completed).

See It in Action

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

U List all my video rooms and tell me which one has recording enabled.

Video Room Status Report

Here are the 4 active rooms in your account:

- **Onboarding Sync:** ID `room-101`. Status: Active. Recording: Yes.
- **Town Hall:** ID `room-102`. Status: Active. Recording: No (Template only).
- **Tech Support:** ID `room-103`. Status: Inactive. Recording: Yes.
- **Leadership Q&A:** ID `room-104`. Status: Draft. Recording: No.

U I need to kick two people out of the current Town Hall session.

Action Successful.

Both users have been removed from the live stream.

- **User 1:** `peer-abc`. Reason: Left early. (Removed by agent)
- **User 2:** `peer-xyz`. Reason: Technical issues. (Removed by agent)

The system has logged these departures.

U Show me all sessions from last week and who was in them.

Session Attendance Summary (Last 7 Days)

SESSION ID	ROOM NAME	DATE	TOTAL PEERS
`sess-1a2`	Onboarding Sync	2026-06-05	45
`sess-2b3`	Town Hall	2026-06-10	78
`sess-3c4`	Tech Support	2026-06-11	12

Would you like a list of peers for any specific session ID?

Frequently Asked Questions

01 **How does the 100ms MCP help me manage my video rooms?**

You can use your agent to view every room you have, get detailed metadata on a specific room's configuration, or even create and update meeting spaces—all without touching the web dashboard. It gives you direct control over infrastructure settings.

02 **Can I use the 100ms MCP to remove participants from a live session?**

Yes. You can instruct your agent to kick specific users out of an active meeting using their unique IDs and providing a reason for removal, which is perfect for moderation.

03 **What if I need attendance records for past meetings with the 100ms MCP?**

The MCP lets you list historical sessions. You can find out who was present at specific times and rooms, getting a roster of peers even after the meeting is over.

04 **Does the 100ms MCP help me with recording management?**

It does. You can list all cloud recordings to see if an event was captured. You can also filter this list by room name or check if a recording status is completed, failed, or still processing.

05 **Is the 100ms MCP just for viewing data, or can I actually change things?**

It's both. You can retrieve details (viewing) and actively modify the system by creating new rooms or updating settings on existing ones.

06 What kind of people should use the 100ms MCP for AI Agents?

Anyone focused on operational communication—like support teams, platform engineers, or community managers—will find it invaluable. It automates manual tasks across all your video infrastructure.

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 `"100ms": { "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

100ms 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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