MCP SERVER | NO CODE | CLOUD HOSTED

Wing Assistant MCP

Delegate tasks and manage your virtual workforce.

Wing Assistant MCP lets you manage entire virtual teams right from your AI client. It's built for operations managers who need to automate task delegation without jumping between dozens of apps. You can list all active assistants, assign complex tasks, track progress in real time, and update instructions programmatically. Stop managing workflows manually; start delegating through natural conversation.

A+ Quality Score 100/100

virtual-assistant | task-delegation | outsourcing | administrative-support | team-management | workflow-automation

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vinkius.com/mcp/wing-assistant

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.

Wing Assistant MCP

6 tools available
Cloud-hosted on Vinkius

Managing a team of virtual assistants shouldn't feel like juggling spreadsheets. This MCP connects your AI client to the Wing Assistant platform, letting you treat your digital workforce like an extension of your own staff. You tell your agent what needs doing—like compiling a list or researching competitors—and it handles the coordination. Instead of having to check different dashboards for status updates, your AI agent manages everything from task creation and assignment to monitoring progress and updating priorities automatically.

Whether you're an executive needing quick administrative help or managing complex growth pipelines, this MCP lets you interact with specialized talent using natural conversation. When you connect it via Vinkius, all your virtual team management tools are accessible through one single point of connection in your agent. You can list all available assistants to see exactly who has the right skills for a job, and then assign tasks directly to their queue. It's about moving work from your brain onto a managed system.

Core Capabilities

01 — View active team members

List every virtual assistant you have available to see which ones are ready for new work.

02 — Create and assign tasks

Write a task, set its instructions, and delegate it directly into an assistant's queue with defined priorities.

03 — Monitor job progress

Check the current status of any assigned unit of work to see if it's pending or complete.

04 — Adjust task details mid-project

Update an existing assignment, changing instructions or adjusting priorities as project needs shift.

05 — Track team capacity

Get insight into how much work is currently assigned to an assistant so you can optimize your delegation strategy.

One Click on Vinkius — From Prompt to Execution

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

01 Subscribe to this MCP and enter your Wing Assistant API Access Token.

02 Instruct your AI client (Claude, Cursor, etc.) to perform the required action, such as listing assistants or creating a new task.

03 Your agent executes the command using the available tools, retrieving real-time status and sending confirmation back to you.

The bottom line is that your AI client acts as the bridge between your natural language instructions and Wing's operational management system.

Built For

This MCP is essential for operations managers, corporate founders, and growth team leads who are tired of manually tracking project status across multiple platforms. It's for people whose job involves coordinating specialized human-level labor without the friction of constant app switching.

Operations Manager

They use this to automate work flow, delegating complex administrative tasks and monitoring progress across their entire virtual team in real time.

Founder/Executive

They rely on it to delegate research or specialized reporting tasks via simple conversation prompts without having to log into multiple internal systems.

Growth Team Lead

They use it to scale operations by programmatically managing and assigning specialized work units to various virtual talents.

What Changes When You Connect

01 Automate task assignment: Instead of writing emails or filling out forms, you simply tell your agent to assign a new job using the `create_task` tool. Your team gets work instantly, with clear instructions attached.

02 Centralized visibility: The `list_tasks` and `get_task_status` tools give you one place to see every unit of work across all assistants. You never have to check multiple dashboards again.

03 Optimize capacity planning: Use the `get_assistant` tool to review an assistant's profile, ensuring you send complex jobs only to people with the right skills and available time.

04 Real-time project adjustments: If a deadline shifts or instructions change, use `update_task`. This ensures your virtual team always works on the absolute latest version of the plan, minimizing errors.

05 Streamlined onboarding: The `list_assistants` tool lets you quickly see who is available and what specialized roles they fill. You match talent to tasks in seconds.

06 Coordinated workflows: By combining tools like `create_task` and `update_task`, your agent handles the full lifecycle of a project, from initial idea to final status report.

Real-World Applications

A research team needs five niche reports compiled by different specialists.

Instead of manually assigning tasks and tracking them in a spreadsheet, the founder tells their agent: 'Delegate these five research topics.' The agent uses `create_task` to assign all five jobs simultaneously across appropriate assistants. Later, they use `list_tasks` to confirm everyone is working on it.

An urgent client request changes the scope of an ongoing project.

The operations manager detects a change and tells their agent: 'Update task ID X.' The agent uses `update_task`, immediately pushing the new priority instructions to the assistant, ensuring zero delay in the workflow.

Onboarding a new virtual team member requires skill verification.

The lead uses their AI client to request an overview. The agent calls `list_assistants` and provides detailed metadata on every available worker, allowing the manager to assign specialized jobs accurately from day one.

Checking if a critical task is stuck or finished.

The project lead asks: 'What's the status of the Q3 report?' The agent uses `get_task_status` and immediately reports back on whether the work is pending, in progress, or completed, giving immediate operational clarity.

Patterns to Avoid

Checking task status manually

✗ AVOID

Logging into the Wing Assistant portal, finding the specific project board, and clicking through multiple statuses until you find out what's happening.

✓ INSTEAD

Just tell your agent to check it. Use `get_task_status` or `list_tasks`. Your AI client handles all the dashboard navigation for you.

Forgetting task details

✗ AVOID

Having to copy and paste new instructions into an old project because the initial scope changed.

✓ INSTEAD

Use the `update_task` tool. You tell your agent, 'Change the priority for this job to urgent,' and it handles the modification directly.

Not knowing who has the right skills

✗ AVOID

Assigning a highly technical data analysis task to an assistant whose skill set is only general administrative support.

✓ INSTEAD

First, run `list_assistants` to review all available profiles. This lets you match specific talent to specialized jobs before delegating anything.

The Right Fit

Use this MCP if your core problem is coordination and delegation—if the manual effort of managing a virtual team across multiple interfaces eats up too much time, this is for you. You need to programmatically assign tasks (`create_task`), track status changes (`get_task_status`), and maintain a clear overview of capacity (`list_assistants`). Don't use it if your primary need is simply storing documents or handling simple messaging; those require dedicated communication tools. If all you need is basic data retrieval

without any workflow control, an API key connection might suffice, but this MCP gives you the full orchestration layer.

The administrative overhead of managing remote teams today

Right now, coordinating a virtual team means jumping between your task management system, the assistant platform's dashboard, and maybe an email chain just to ask for updates. You spend time copying status reports into spreadsheets, cross-referencing who is available, and figuring out which instructions are current.

With this MCP, you tell your agent what needs doing—like assigning a new research project or updating existing guidelines. The process happens entirely within conversation. Your agent manages the assignment flow, ensuring every detail goes straight to the right assistant's queue without you lifting a finger.

Get full command over your virtual team with Wing Assistant MCP

The manual steps that disappear include checking multiple task boards, drafting follow-up emails to confirm scope changes, and manually compiling a list of who is overloaded. You're done with the status report compilation.

You gain immediate control. By using tools like `list_assistants` and `create_task`, you move from being a project tracker to being a pure strategist, focusing only on what work needs doing next.

Wing Assistant MCP: 6 Tools for Team Management

These tools let you list assistants, create new tasks, check status updates, and adjust assignments across your virtual team.

#	TOOL	DESCRIPTION
01	`create_task`	Assigns a new unit of work, complete with title and detailed instructions, to an assistant.
02	`get_assistant`	Retrieves specific details about one particular virtual assistant by name or ID.
03	`get_task_status`	Checks the current status of a unit of work, telling you if it's pending, in progress, or done.
04	`list_assistants`	Generates a list of all virtual assistants currently active on your account.
05	`list_tasks`	Retrieves a comprehensive list of every task assigned to any assistant in the system.
06	`update_task`	Modifies an existing assignment, allowing you to change instructions or update its priority level.

See It in Action

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

U Create a new task for my virtual team to 'Compile a list of 50 local real estate agencies in Miami' and include detailed instructions to find their contact emails.

I have successfully created the task 'Compile a list of 50 local real estate agencies in Miami' and added your instructions. It has been assigned to your active General Admin assistant and is currently in the 'pending' queue.

U Check the status of task ID 'TSK-8492' and if it's still pending, update the priority instructions to 'Urgent - Need by EOD today'.

I checked task 'TSK-8492' and it was still marked as pending. I have updated the instructions with your urgent priority note. Your assistant will be notified of this change immediately.

U Show me the current workload and active tasks assigned to my assistant 'Maria'.

I've retrieved Maria's current queue. She is currently working on 3 active tasks, including 'Weekly Expense Report' (in progress) and 'Data Entry for Lead Gen' (pending). Would you like to view the details for any of these?

Frequently Asked Questions

01 **How does the Wing Assistant MCP handle task updates?**

You use the `update_task` tool. This lets your agent modify an existing job's instructions or priority level without having to delete and recreate the entire assignment.

02 **Can I see all my available assistants using Wing Assistant MCP?**

Yes, running the `list_assistants` tool provides a full roster of every virtual assistant you have access to. This helps you assign work strategically based on their listed skills.

03 **What if I need to give multiple tasks at once?**

You can delegate several jobs by calling `create_task` with details for each unit of work, giving your team a full list of immediate priorities.

04 **Does Wing Assistant MCP help me see who is busy?**

Absolutely. You can check current workload and capacity using the assistant's profile data through `get_assistant` to ensure you don't overload any single employee.

05 **Do I need an API key for Wing Assistant MCP?**

Yes, you must provide your Wing Assistant API Access Token when connecting the MCP. This token authorizes your agent to interact with your team data.

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 `"wing-assistant": { "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

Wing Assistant 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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