

MCP SERVER

NO CODE

CLOUD HOSTED

WeChat Official Accounts MCP

Control your entire social communications ecosystem.

WeChat Official Accounts / 微信公众号 connects your AI agent directly to WeChat's backend systems. Manage subscriber lists, send broadcast messages, and control account menus—all through natural conversation. This MCP lets you pull detailed user profiles, publish custom navigation buttons, and run structured marketing blasts without logging into the complex WeChat portal.

A+ Quality Score 100/100

social-ecosystem

subscriber-management

broadcast-messaging

customer-engagement

menu-orchestration



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.

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.

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.

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

Encryption at rest

Ed25519

PKI vault signatures

24h TTL

Ephemeral session keys

V8 Isolate

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.

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.

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.

06 — Honeypot Trap System

Phantom credentials are injected into isolated environments. If a honeypot 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.

FinOps

Cost tracking per tool, payload compression savings, budget optimization signals, and consumption trends.

Firewall & DLP

PII redaction activity, sensitive data protection counters, and security event timeline.

Agent Activity

Which AI clients are connecting, how often, and what they're doing — real-time session tracking.

Tool Health

Slowest and most error-prone tools, with actionable root-cause insights and performance baselines.

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.

WeChat Official Accounts / 微信公众号 MCP

10 tools available
Cloud-hosted on Vinkius

This connector gives your AI agent control over WeChat Official Accounts (微信公众号), making it the central hub for managing social engagement in China. Forget navigating the complicated WeChat MP portals; you just talk to your agent. Your agent handles everything from checking account status and pulling user profiles to publishing custom menus or sending out structured alerts. You can instantly retrieve subscriber lists, send personalized messages, or audit all permanent media assets without ever leaving your AI workspace. When running large-scale customer support or coordinating a content blast, the agent acts as your dedicated social operations assistant, giving you accurate data and reliable actions from one place. If you use Vinkius for other services, adding WeChat makes it the single source of truth for managing China's dominant messaging platform.

Core Capabilities

01 — Manage account menus

Create, read, or delete custom navigation buttons that appear on your official account profile.

03 — Send targeted messages

Dispatch both freeform custom text alerts and structured template notifications to individual users or groups.

05 — Audit content assets

Browse and count available permanent media items or news articles stored in your material library.

02 — Retrieve user details

Get specific subscriber profiles and detailed information using the subscriber's OpenID.

04 — List subscribers

Pull a list of all current subscribers associated with the account.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/wechat-official-accounts — connect your AI agent in three steps.

- 01 Subscribe to this MCP, providing the necessary WeChat AppID and AppSecret.
- 02 Your AI client authenticates using these credentials, establishing a live connection to the WeChat system.
- 03 You ask your agent to perform an action, like 'list all subscribers' or 'send a template message.' The agent executes the command via the MCP and reports the result.

The bottom line is, you get real-time social platform operations access without needing any specialized developer tools or logins.

Built For

This connection is for marketing teams, customer support leads, and developers operating in the Chinese market. You're someone who spends too much time switching between WeChat's internal portals, CRM dashboards, and content management systems just to run a campaign.

Social Media Manager

Manages brand presence by creating new custom menu buttons and auditing permanent media assets using natural language prompts.

Customer Support Agent Lead

Handles high-volume support tasks by retrieving user profiles instantly and sending direct, personalized follow-up messages.

Digital Marketing Developer

Integrates complex WeChat broadcast logic into existing AI workflows, ensuring structured alerts are delivered reliably.

What Changes When You Connect

- 01 Avoid manual menu changes. You can use the `create_custom_menu` tool to instantly build and deploy new navigation structures, all through a simple conversation with your agent.
- 02 Get real customer insight. Instead of guessing who needs help, ask for user data and let the MCP run `get_user_info` to verify subscriber identity immediately.
- 03 Run large campaigns without copy/paste errors. The ability to use `send_template_message` ensures structured alerts—like payment reminders or status updates—reach users perfectly every time.
- 04 Manage content volume easily. You don't have to manually check the portal; just ask for a material count, and the MCP runs `get_material_count`, telling you exactly how much content is ready.
- 05 Streamline support workflows. The agent can run `list_users` first, then use `send_custom_text` to follow up with specific individuals who haven't responded.

Real-World Applications

The Quarterly Product Launch

A marketing manager needs to notify 50,000 subscribers about a new product feature. Instead of manually drafting and queuing messages, they prompt the agent: 'Send template message using ID TEMP_LAUNCH.' The agent handles the broadcast via `send_template_message` to ensure perfect delivery for everyone.

Handling Support Backlogs

The support lead needs to check if a user, who complained yesterday, has been reached. They ask the agent to run `get_user_info` first, then instruct it to use `send_custom_text`, ensuring the follow-up message is direct and personalized.

Updating Account Branding

The design team changes its branding. Instead of logging into the portal to modify navigation, they tell their agent: 'Create a new custom menu with links for Careers and Contact.' The MCP executes ``create_custom_menu`` instantly.

Content Strategy Planning

The editor wants to know if enough articles exist for the next month's campaign. They ask the agent to run ``list_articles`` and check ``get_material_count``, getting an immediate audit of available content without leaving their workspace.

Patterns to Avoid

Manual Menu Edits

X AVOID

A manager spends 20 minutes clicking through the WeChat MP portal's menu editor, hoping to correctly place a new button that gets overwritten by an update.

✓ INSTEAD

Use ``create_custom_menu`` and ``get_custom_menu``. Simply ask your agent: 'Set up my main menu with three buttons.' This handles all the backend structure in one go.

Bulk Messaging Errors

X AVOID

Attempting to send a complex, freeform message (which might violate WeChat's rules) to thousands of people, leading to failed deliveries and manual error checking.

✓ INSTEAD

Use ``send_template_message``. This enforces structured alerts using pre-approved templates, guaranteeing delivery success for critical communications.

Stale Data Checks

X AVOID

Assuming the account is active because it worked last week. Finding out later that a backend change disabled messaging or menu creation.

✓ INSTEAD

Always start by running ``get_account_status``. This provides an immediate, reliable check on connectivity before you attempt any action.

The Right Fit

Use this MCP if your primary need is managing and interacting with a large, complex social messaging platform in China. You absolutely must be able to manage menus, run structured broadcasts (templates), and retrieve user data via OpenIDs. Don't use it if you just need simple SMS marketing; those require different tools. Also, don't use it if your primary goal is analyzing web analytics—that requires a dedicated CRM connector. If you only need basic

messaging functions without menu control or template sending, this MCP provides overkill functionality that you won't even know you need until you try it.

Managing China's biggest social platform used to be a nightmare of logins and dashboards.

Today, running a major campaign means logging into the WeChat MP portal. You navigate multiple tabs: one for menus, another for user lists, and yet another for content assets. If you want to send a message, you first have to check if your account is active, then confirm the menu structure, and finally, manually select the right template ID before copying data over.

With this MCP, all those steps collapse into one conversation with your agent. You just tell it what you want—'Send an alert to all subscribers about X.' The agent handles checking the status, confirming the available templates, and executing the broadcast instantly. You get reliability.

The WeChat Official Accounts MCP gives you complete control over your messaging strategy.

Previously, updating a simple menu button meant navigating deep into the portal structure and clicking through multiple confirmation screens. You might even accidentally delete an important asset while trying to fix a link.

Now, asking your agent with `create_custom_menu` makes it feel like you're talking to a co-worker who already knows the system inside out. It's precise, fast, and eliminates risk.

WeChat Official Accounts / 微信公众号 with 10 Tools

Use these tools to manage account status, retrieve user data, send broadcast alerts, and control navigation menus within WeChat.

#	TOOL	DESCRIPTION
01	<code>create_custom_menu</code>	Creates a brand new custom navigation menu for the official account interface.
02	<code>delete_custom_menu</code>	Removes an existing custom navigation menu from the account profile.
03	<code>get_account_status</code>	Checks and reports on the current connectivity status of the WeChat official account.
04	<code>get_custom_menu</code>	Retrieves the full configuration details of the custom menu currently attached to the account.
05	<code>get_material_count</code>	Counts and reports the total number of permanent media assets available in the library.
06	<code>get_user_info</code>	Fetches detailed profile information for a specific subscriber using their unique OpenID identifier.
07	<code>list_articles</code>	Lists the titles and details of permanent news articles published in the account's material library.
08	<code>list_users</code>	Retrieves a list of all subscribers currently linked to the official account.
09	<code>send_custom_text</code>	Sends an unstructured, personalized text message directly to one or more specified users.
10	<code>send_template_message</code>	Dispatches a structured notification using a pre-approved template ID to subscribers.

See It in Action

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

U Get the profile for user with OpenID 'o88210934...!.



I've retrieved the user profile. The user is nicknamed 'Zhang San', based in Shanghai, China. They are a male subscriber. Would you like to send them a direct message or check their interaction history?

U Show me the current custom menu for our account.



I've retrieved your current menu configuration. You have 3 main buttons: 'Products', 'Support', and 'About Us'. Each button leads to specific sub-menus or external links. Would you like to modify any of these entries?

U Send a template message to 'o992018...' using template ID 'TEMP_8821'.



I've sent the template message to the specified user. The transaction ID is `88210934`. The user will receive the structured notification on their WeChat app immediately. Should I check the delivery status?

Frequently Asked Questions

01 How do I check if my WeChat Official Accounts / 微信公众号 connection is working?

Use the ``get_account_status`` tool. This immediately verifies connectivity and lets you know if there are any system issues before you try to send messages or manage menus.

02 Can I update my main menu buttons using WeChat Official Accounts / 微信公众号 MCP?

Yes, you can use `create_custom_menu` for new additions and `get_custom_menu` to review the current setup. You'll also need `delete_custom_menu` if you're retiring an old button.

03 What is the difference between sending a text message and a template message with WeChat Official Accounts / 微信公众号?

A custom text message (`send_custom_text`) is freeform, letting you write anything. A template message uses a structured format (`send_template_message`), which ensures the notification looks professional and gets delivered reliably.

04 Does this MCP let me list all my subscribers for marketing?

Absolutely. You can use `list_users` to get a full roster of your subscriber IDs, or if you need deeper context, run `get_user_info` on individual users.

05 How many types of content can I audit with WeChat Official Accounts / 微信公众号 MCP?







You can check two things: the total count of permanent media assets using `get_material_count`, and you can view a list of published news articles via `list_articles`.

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 <code>"wechat-official-accounts": { "url": "..." }</code>
 Windsurf	MCP Settings → <code>mcp_settings.json</code> → 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

WeChat Official Accounts / 微信 公众号 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](https://cloud.vinkius.com) →

vinkius.com · support@vinkius.com

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