MCP SERVER | NO CODE | CLOUD HOSTED

# SparkPost MCP

## Manage campaigns and audit deliverability from your agent.

SparkPost MCP brings your entire email delivery platform into your AI workflow. Manage campaign sends, audit deliverability metrics, and create complex HTML templates without ever leaving your code editor. You can instantly check bounce rates or manage suppression lists directly through your agent.

A+ Quality Score 100/100

email-delivery | smtp-api | inbox-placement | email-templates | transactional-email | deliverability

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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.

# SparkPost MCP

10 tools available
Cloud-hosted on Vinkius

This connector lets you treat your email marketing system like just another API endpoint in your codebase. Forget logging into the SparkPost web interface to run basic checks; your AI client handles everything natively. You can ask it to generate a fully formatted HTML template, and then immediately use that code snippet to send a test transaction or schedule a full campaign. It's about context: letting your agent understand not just *how* to send an email, but the health of the entire system—from tracking down why bounces spiked to confirming who needs to be removed from suppression lists. By connecting this MCP through Vinkius, you give your AI client deep visibility into templates and delivery performance without needing multiple specialized integrations or complex manual scripting.

## Core Capabilities

**01 — Check campaign health**

Your agent pulls detailed metrics on deliverability and overall account performance to assess how well emails are reaching inboxes.

**02 — Build new email templates**

You tell your client what you need, and it generates or registers a new HTML template structure for campaigns.

**03 — Send test messages**

The system sends immediate plain text emails to specific recipients, letting you verify transactions instantly.

**04 — Manage compliance lists**

Your client reads the current suppression list or removes a single address that was incorrectly filtered out.

**05 — Track errors and failures**

The agent pulls reports detailing recent bounce events so you know exactly why emails failed to deliver.

## One Click on Vinkius — From Prompt to Execution

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

01 First, subscribe to this MCP integration on Vinkius and provide your primary SparkPost API key.

02 Next, tell your AI client what you need—for example, 'list all templates' or 'check the bounce events'.

03 The MCP executes the request against SparkPost, returning real-time data about templates, metrics, or campaign status directly to your agent.

The bottom line is that your AI client treats email delivery and template management as code you write locally, eliminating dashboard clicks entirely.

## Built For

This MCP is for the Marketing Engineer who spends hours manually copying HTML snippets between tools. It's for the Operations Manager who gets paged at 2 AM because they can't figure out why bounce rates suddenly spiked, and it's for the Developer building an internal reporting tool that needs reliable email data.

**Marketing Engineer**

They use your agent to parse old template structures, refactor HTML layouts into modern formats, and register new templates without touching a CMS.

**DevOps Operations Manager**

They check deliverability metrics after a major system change or quickly test transactional emails for a client using the `send_email` tool directly in their IDE.

**Postmaster Administrator**

They run checks against the global suppression list and pull detailed bounce event reports to maintain email compliance.

## What Changes When You Connect

01 Stop juggling multiple UIs. You can create new HTML templates using the `create_template` tool, keeping everything within your coding environment.

02 Deep dive into campaign health by running `get_deliverability_metrics`. This instantly tells you if recent changes affected your account's deliverability ratio.

03 Fixing compliance issues is simple. You can use `list_suppression_list` to see who was blocked and then run `delete_suppression_record` when an address was filtered incorrectly.

04 Need to test a quick message? Use the `send_email` tool for instant, plain text transaction testing without building a full campaign.

05 Reviewing template code is easy. The `get_template_details` tool lets you pull the raw structure of any existing design for modification.

## Real-World Applications

**A sudden drop in inbox placement**

An Ops Manager notices a dip in delivery rates. They ask their agent to execute `get_deliverability_metrics` and then run `list_bounce_events`. The agent reports that 30% of recent failures were due to an outdated template structure, allowing the manager to immediately fix it using `create_template`.

**Refactoring old marketing designs**

A Marketing Engineer needs to modernize a decade-old promotion. They use their agent to pull down the raw markup via `get_template_details`, rewrite the HTML structure, and then deploy the new version using `create_template`.

**Verifying a high-priority account**

A Developer needs to confirm that an internal audit email will send correctly. They simply ask their agent to run `send_email`, bypassing all template logic and proving the connection works instantly.

**Cleaning up spam complaints**

The Postmaster Admin finds a key client was wrongly suppressed. They first check `list_suppression_list` for the address, confirm it's there, and then run `delete_suppression_record` to restore their sending capability.

# Patterns to Avoid

### Using isolated tools

✗ AVOID

Copying template IDs from one dashboard into another tool's API call.

✓ INSTEAD

Let your agent handle the flow. Use `list_templates` to find the ID, then pass that output directly into a workflow that calls `get_template_details`. No manual copy-pasting required.

### Guessing failure points

✗ AVOID

Running multiple isolated API queries (Postman) to check metrics and bounces separately.

✓ INSTEAD

The agent runs the comprehensive analysis. Start by calling `get_deliverability_metrics`, then if issues are found, immediately follow up with `list_bounce_events` for specifics.

### Over-relying on webhooks

✗ AVOID

Building complex logic around every single webhook event without checking the source of truth.

✓ INSTEAD

Always validate manual changes or major system updates by running a test transaction using `send_email`. It's the simplest check and verifies everything.

## The Right Fit

Use this MCP if your core job involves managing email templates, monitoring deliverability performance, or sending scheduled/transactional emails. You need to run checks like 'What's my bounce rate?' or 'Does this HTML look right?' directly from your agent's chat window. Don't use it if you only need to read static content—for that, a simple data retrieval tool is enough. Avoid using this MCP just because you have other marketing tools; stick to the core functions like `create_template` and `get_deliverability_metrics`. If your workflow requires multi-step decision making based on external data (e.g., 'If A happens, then send email B'), this is exactly what your agent needs.

## The manual slog of managing campaign assets is exhausting.

Today, updating an email template means navigating to the web UI, finding the right existing structure, making tiny code tweaks in a text box, saving it, and then hoping the changes propagate correctly across all your active campaigns. If you need to check metrics, that's another tab; if you need to see who was suppressed, that’s a third login.

With this MCP, you simply tell your agent what needs fixing or updating. The AI handles pulling down the raw data, applying the necessary changes, and registering the final version using `create_template` —all without you ever opening an external web page.

## Get full visibility into templates with SparkPost MCP.

You no longer need to manually list every template name or check its current state. Your agent can use `list_templates` to give you a clean inventory, and then instantly pull the specific code for any one using `get_template_details`. It’s immediate context.

The whole process becomes conversational. Instead of running through checklists and clicking buttons, you ask your client, 'Show me the HTML for the holiday sale template,' and the data appears right there.

# SparkPost MCP: 10 Tools for Email Delivery

Use these tools to manage templates, check deliverability metrics, list suppression records, or send immediate test emails directly through your AI agent.

| # | TOOL | DESCRIPTION |
|---|---|---|
| 01 | `create_template` | Registers a brand new HTML email template into your SparkPost account using a specific ID, name, subject, and markup. |
| 02 | `delete_suppression_record` | Permanently removes a single email address from the global suppression list. This action cannot be undone. |
| 03 | `delete_template` | Completely deletes an existing HTML template, making it unavailable for use in any campaigns. |
| 04 | `get_deliverability_metrics` | Retrieves your account's overall performance data, including total accepted and bounced volumes, to assess health. |
| 05 | `get_template_details` | Pulls the specific structure and content for a single, existing template ID so you can review its markup. |
| 06 | `list_bounce_events` | Generates a list of recent email addresses that failed to deliver, helping you track down delivery issues. |
| 07 | `list_suppression_list` | Retrieves the full list of all emails currently blocked due to spam complaints or unsubscriptions. |
| 08 | `list_templates` | Shows a comprehensive list of every draft and published template available in your account. |
| 09 | `list_webhooks` | Lists all the event webhooks that are currently active for receiving external data feeds. |
| 10 | `send_email` | Sends an immediate, plain text email to a specified recipient using standard headers and content. |

# See It in Action

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

**U** Check SparkPost metrics and tell me how our overall deliverability looked for the recent period.

I've pulled stats via `get_deliverability_metrics`. Your account is looking healthy:
**Total Accepted**: 42,150
**Total Bounced**: 204
**Total Deferred**: 18
**Rejection Rate**: 0.48%

Your bounce rate falls well below the standard 2% danger threshold. Would you like a deeper dump of your `list_bounce_events` nonetheless?

**U** Create a new HTML template titled 'Holiday Promo' using ID 'promo_2025' that features a large header table.

I generated a responsive HTML snippet utilizing properly structured centered table bodies. Then, I invoked `create_template` mapping attributes ID `promo_2025` with Name `Holiday Promo` successfully.

**Result:** The template is now published in your SparkPost account and available for trigger operations immediately.

U Send a plain text email to compliance@domain.com saying 'Your account review is ready for audit'.

I've invoked `send_email` dynamically setting the headers appropriately to send textual metadata.

**Transmission Result**: SUCCEEDED ✅
Recipient: compliance@domain.com
Subject: Account Review

SparkPost acknowledged the request and the payload is now actively pushing to ISP delivery paths.

# Frequently Asked Questions

01 **How do I check my overall email deliverability with SparkPost MCP?**

You run `get_deliverability_metrics`. This tool retrieves your account-wide performance KPIs, showing you things like total accepted messages and the current rejection rate.

02 **Can I delete a template using SparkPost MCP?**

Yes, you use the `delete_template` tool. Be warned that this action is permanent and irreversible, so double-check before running it.

03 **What if an email was filtered out? How do I fix it with SparkPost MCP?**

First, run `list_suppression_list` to confirm the address is there. If it's wrong, you use `delete_suppression_record` to unblock it.

04 **How do I test a simple email send using SparkPost MCP?**

Use the `send_email` tool. It allows you to pass plain text content and specific recipient addresses for an instant, low-stakes transmission test.

05 **Does SparkPost MCP help me manage multiple templates?**

Yes, you can use `list_templates` to see all available assets. If you need a new one, `create_template` handles the registration and validation of the markup.

06 **Can the AI rewrite an old HTML email template and import it straight into SparkPost?**

Yes! The bot reads your existing content using `get_template_details`, uses its intelligence to fully redesign the HTML block recursively (e.g. updating tables to modern styling natively), and finally invokes `create_template` to overwrite or deploy the modernized file safely to the cloud.

07 **How easy is it to send a test email from the IDE without a UI interface?**

It takes one sentence. You can type: 'Send via SparkPost a test email to admin@test.com titled Server OK'. The LLM gathers the keys, utilizes `send_email`, structures the JSON transmission array natively, and confirms back to you upon a 2xx HTTP delivery success.

08 **Can it search for specifically why emails are bouncing from a certain provider?**

Yes. While the `list_bounce_events` gets the core list, prompting the LLM to 'diagnose our latest bounces' lets the AI digest all textual rejection codes (e.g., SMTP 550 spam blocks vs 421 rate limits) and present a structured summary of where and why deliverability is faltering.

# 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 `"sparkpost": { "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

# SparkPost 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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