

MCP SERVER

NO CODE

CLOUD HOSTED

# Lob MCP

## Automate Physical Mailings from Code

Lob MCP automates physical mailings, letting your AI agent send letters, postcards, and checks directly from code. It handles everything from address verification and cleansing to creating reusable templates and managing bank accounts for payments.

**A+** Quality Score 100/100

direct-mail

print-api

address-verification

automation

postcards

transactional-mail



# 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

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## 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

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## 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

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## 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](https://cloud.vinkius.com) — connect your AI agent in under 60 seconds.

# Lob MCP

21 tools available  
Cloud-hosted on Vinkius

Need to send something in the real world? This MCP lets your agent handle physical mail tasks—things like sending payroll checks or running a direct marketing campaign. Instead of manually compiling lists and dropping off stamps, you programmatically create letters, postcards, and even personalized checks. You can verify US addresses for accurate delivery using our address tools, build custom HTML templates, and manage all the necessary details right from your application logic. Vinkius hosts this MCP, giving any compatible client access to every tool needed to automate physical correspondence in one place.

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## Core Capabilities

### 01 — Verify and clean addresses

Validate partial or full US addresses using the ``autocomplete_us_address`` tool.

### 03 — Generate and send physical letters

Create and dispatch formal letters to recipients using the ``create_letter`` tool.

### 05 — Manage address records

Save, retrieve, or delete specific addresses within your dedicated Lob address book.

### 02 — Draft reusable mailing templates

Build complex, personalized letter layouts by creating reusable HTML files with the ``create_template`` tool.

### 04 — Process payments via checks

Add bank accounts with ``create_bank_account``, then generate and mail physical payments using the ``create_check`` tool.

# One Click on Vinkius — From Prompt to Execution

Available at [vinkius.com/mcp/lob](https://vinkius.com/mcp/lob) — connect your AI agent in three steps.

- 01 First, use the ``autocomplete_us_address`` tool to verify and standardize any partial US mailing address you have.
- 02 Next, build a personalized template using ``create_template``, then send out the mail piece—like a postcard or a letter—using its specific creation tool (e.g., ``create_postcard``).
- 03 Finally, your agent executes the request, printing and processing the physical item for delivery within 24 hours via USPS.

The bottom line is that you write code once to manage complex, real-world mailing tasks, instead of having to follow a series of manual steps in an external portal.

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## Built For

Anyone who sends physical communication regularly—marketing teams running direct mail campaigns, HR departments handling payroll, or operations engineers managing vendor payments. You're the person tired of exporting CSVs, cleaning data in Excel, and then uploading everything back into a specialized portal.

### Marketing Operations Specialist

Runs segmented direct mail campaigns by verifying thousands of addresses using ``verify_us_address`` before mass-producing postcards or letters.

### HR/Payroll Manager

Automates payroll distribution by adding company bank details with ``create_bank_account`` and generating physical checks via ``create_check`` for employees.

### Customer Success Engineer

Manages customer onboarding by sending welcome letters or follow-up materials programmatically, using the ``get_letter`` tool to track status.

## What Changes When You Connect

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- 01 Accuracy: You eliminate mailing errors by running `verify_us_address` first. This ensures every address, whether it's a partial entry or an international one, is standardized and deliverable before you even start drafting.

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  - 02 Efficiency: Don't manually create documents for payroll. By using `create_template`, you build once, and then use the template with `create_letter` to mass-send personalized notices instantly.

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  - 03 Control: You maintain a clear audit trail of all transactions. Tools like `list_letters` and `list_checks` let your agent track every piece of mail's status and expected delivery date without logging into any third-party portal.

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  - 04 Payment Automation: Sending payments is simple. After adding vendor bank details with `create_bank_account`, you just need to call `create_check` for a physical, mailed payment within 24 hours.

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  - 05 Flexibility: Whether it's formal correspondence (`create_letter`), quick updates (`create_postcard`), or financial payments, this MCP handles the entire lifecycle of sending physical mail items.
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## Real-World Applications

### Mass Payroll Distribution

The HR team needs to pay 500 employees. Instead of printing checks in batches and manually tracking them, your agent first uses `list_bank_accounts` to confirm company funds, then runs through the employee data list to execute `create_check` for each person, automating payment and logging every check via `list_checks`.

### Customer Onboarding Kits

A new customer signs up. The agent uses a stored template (`get_template`) and calls `create_letter`, sending a personalized welcome kit to the verified address retrieved by `autocomplete_us_address`. This completes the entire onboarding sequence in one go.

### Marketing Campaign Cleanup

The marketing team has an old mailing list with bad addresses. The agent runs every record through `verify_us_address` to cleanse the data, then uses `list_addresses` to confirm only valid contacts are kept for postcard campaigns.

### Urgent Mail Cancellation

A customer needs a letter canceled because they moved. The agent first retrieves the mailing ID using `get_letter`, checks that its status is 'processing,' and then executes `cancel_letter` to stop production immediately.

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## Patterns to Avoid

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### Using the wrong tool for data cleanup

#### X AVOID

Trying to manually update a bad address record in your database, assuming that just storing it is enough.

#### ✓ INSTEAD

Always run potential addresses through `verify_us_address` first. This validates and standardizes the format before you use `create_address` or any mailing tool.

### Forgetting to track mailed items

#### X AVOID

Sending a check and then having no single source of truth to prove when it was sent, who signed off on it, or if it bounced.

#### ✓ INSTEAD

After creating payments, use `list_checks` immediately. This ensures you have an audit log with payment tracking details available instantly.

### Relying on hardcoded content

#### X AVOID

Writing code that embeds the full text of a letter directly into the API call every time, which is inflexible and tedious.

#### ✓ INSTEAD

Build reusable HTML layouts using `create_template`. Then, use the template ID when calling tools like `create_letter` for consistency.

## The Right Fit

Use this MCP if your business relies on physical communication—any time you need to send a printed letter, postcard, or check. You need programmatic control over address validation and payment execution. Don't use it if you only communicate digitally; for instance, sending an email is not covered here. If your goal is purely data storage without mailing intent, stick to simple database write APIs. However, if you have the addresses but lack verification tools, this MCP provides `verify_us_address` and address management

(like `create_address` , `list_addresses` ) that solve the 'garbage in, garbage out' problem before sending any mail.

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## The Headache of Physical Mail Management

Today, managing physical correspondence is a nightmare. You have to export your customer list, dump it into a spreadsheet to catch typos and bad formatting, then manually cross-reference that data with an address validation service, only to upload the resulting clean CSV file into the mailing platform's portal—all before you can even design the actual card or letter.

With this MCP, all of that friction disappears. Your agent handles the whole process: it verifies the addresses using `verify_us_address` , builds reusable layouts with `create_template` , and sends out everything via a single command call.

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## Sending Physical Mail with Lob

You no longer need to copy-paste addresses or track payment statuses across multiple systems. Your agent manages the whole cycle, from confirming details using `get_address` to generating and listing payments via `list_checks` .

The difference is control. You move from manual data entry and segmented workflows to a single, unified API call that handles the complexities of real-world logistics.

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# Lob: 21 Tools for Mailing and Address Management

These tools let your AI client manage every aspect of physical correspondence, from validating an address to generating a mailed check or letter.

#	TOOL	DESCRIPTION
01	<code>autocomplete_us_address</code>	Completes and refines a partial US mailing address into its full format.
02	<code>cancel_letter</code>	Stops the production process for a letter if it hasn't entered physical manufacturing yet.
03	<code>create_address</code>	Adds and saves a new mailing address record into your dedicated address book.
04	<code>create_bank_account</code>	Adds required banking details, like routing and account numbers, needed for check printing.
05	<code>create_check</code>	Generates a physical payment check and sends it to the recipient using specified funds and bank accounts.
06	<code>create_letter</code>	Designs, personalizes, and mails a full-sized letter using an HTML template to a specific recipient.
07	<code>create_postcard</code>	Creates and sends out a physical postcard with custom front and back designs.
08	<code>create_template</code>	Builds and saves an HTML template that you can reuse for multiple mailings (letters, postcards).
09	<code>list_letters</code>	Lists all letters ever mailed, showing status and estimated delivery dates for tracking.
10	<code>list_postcards</code>	Displays a list of every postcard that has been created and sent out.
11	<code>list_templates</code>	Retrieves the names and details of all HTML templates you've built for mailings.
12	<code>verify_us_address</code>	Checks if a provided US address is accurate, standardizes it, and confirms its deliverability status.
13	<code>delete_address</code>	Removes a specific address record from your stored list of mailing addresses.
14	<code>get_address</code>	Retrieves the full details for one particular saved address by ID.

#	TOOL	DESCRIPTION
15	<code>get_check</code>	Fetches all payment details for a specific check using its unique tracking ID.
16	<code>get_letter</code>	Retrieves the status and tracking information for an already sent letter by ID.
17	<code>get_postcard</code>	Gets all details, including delivery status, for a specific postcard mailing.
18	<code>get_template</code>	Retrieves the content and settings of a previously saved HTML template.
19	<code>list_addresses</code>	Lists all address records stored in your Lob account, allowing you to control the result count.
20	<code>list_bank_accounts</code>	Retrieves a list of all bank accounts configured for sending payments and checks.
21	<code>list_checks</code>	Provides an auditable history of every physical check that has been sent through the system.

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## See It in Action

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

- U** Send a letter to John Doe at 123 Main St, New York, NY 10001 with our welcome package HTML template



I'll create a letter using your welcome package template and send it to the specified address. First, I'll create the recipient address, then create the letter with merge variables for personalization.

- U** Verify if this address is deliverable: 185 Berry St, San Francisco, CA 94107



I'll verify the US address to confirm deliverability and standardize the format. This will also add the missing ZIP+4 code and correct any formatting issues.

- U** Send a \$500 check to ABC Consulting for consulting services rendered in March



I'll create a physical check for \$500 payable to ABC Consulting. This requires a verified bank account in your Lob account. The check will be printed and mailed within 24 hours via USPS.

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## Frequently Asked Questions

### 01 How do I verify an address using Lob MCP?

You use the `verify\_us\_address` tool. It standardizes and confirms deliverability for US addresses, ensuring your mailing list is accurate before sending anything.

### 02 Can I send checks with this MCP?

Yes. First, you must use `create\_bank\_account` to add the necessary bank details. Then, calling `create\_check` sends a physical check that gets logged in your system.

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**03 What if I need to change a letter after sending it?**

You can first retrieve the item's status using ``get_letter``. If it hasn't been produced yet, you can use ``cancel_letter`` to halt the process immediately.

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**04 How do I manage my list of addresses?**

You can store and retrieve addresses using ``create_address`` to save them or use ``list_addresses`` to see all records. You can also clean up old data with ``delete_address``.

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**05 Does this MCP support custom designs?**

Yes, you first build the layout using ``create_template``, which accepts HTML code and merge variables, allowing for highly personalized mailings.

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**06 What types of physical mail can I send with Lob?**

Lob supports three main mail types: Letters (formal correspondence, invoices, notifications with customizable color, double-sided printing), Postcards (marketing campaigns, invitations, reminders in 4×6, 6×9, or 6×11 sizes), and Checks (vendor payments, payroll, refunds, rebates with customizable memo lines and company logos). All mail is printed and mailed within 24 hours via USPS.

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**07 How does Lob address verification work?**

Lob's address verification validates and standardizes addresses using USPS data. It corrects formatting, adds missing ZIP+4 codes, fixes typos, and confirms deliverability. The service returns a deliverability status: 'deliverable' (valid and deliverable), 'undeliverable' (cannot be delivered), or 'deliverable\_unnecessary' (valid but additional info not needed). This reduces returned mail by up to 5% and ensures your mailings reach the correct destination.

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**08 Can I use HTML templates for personalized mailings?**

Yes! Lob supports HTML templates with merge variables using the Handlebars templating engine. Create a template with placeholders like `{{name}}`, `{{order_number}}`, `{{delivery_date}}`, then pass actual values when creating letters or postcards. This enables personalized, scalable direct mail campaigns. Templates are reusable and can be referenced by ID when creating mailings. You can also embed CSS styling for professional-looking mail designs.

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**09 How long does it take for mail to be delivered?**

Lob prints and mails all items within 24 hours of creation. Delivery time depends on the mail type selected: USPS First Class Mail typically delivers in 2-5 business days, while USPS Standard Mail takes 3-7 business days. You receive a tracking number for each piece of mail to monitor delivery status. Lob also provides expected delivery dates in API responses for planning purposes.







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# Go Live in 60 Seconds

Get your connection token from [cloud.vinkius.com](https://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
 <b>Claude AI</b>	Profile → Customize → Connectors → "+" → Add custom connector → Paste endpoint
 <b>Cursor</b>	Settings → Features → MCP Servers → "+ Add New MCP Server" → Type: SSE → Paste endpoint
 <b>VS Code</b>	Ctrl/Cmd+Shift+P → "MCP: Add Server" → add <code>"lob": { "url": "..." }</code>
 <b>Windsurf</b>	MCP Settings → <code>mcp_settings.json</code> → Add endpoint URL
 <b>ChatGPT</b>	Settings → Tools & plugins → Add MCP server → Paste endpoint
 <b>Gemini</b>	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

# Lob 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](https://vinkius.com) · [support@vinkius.com](mailto:support@vinkius.com)

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