MCP SERVER | NO CODE | CLOUD HOSTED

American Airlines MCP for AI Agents

Monitor live flight statuses and compare airport schedules across the US

American Airlines MCP provides real-time flight tracking and comprehensive airport data directly through your AI agent. Check live status updates, compare schedules between any two serviced airports, or pull detailed information on terminal layouts and services at a hub.

A+ Quality Score 100/100

flight-tracking | airport-info | travel-planning | real-time-data | schedules

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vinkius.com/mcp/american-airlines

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.

American Airlines MCP

3 tools available
Cloud-hosted on Vinkius

This MCP connects American Airlines' operational systems to your workflow, letting you treat the airline's API like another natural language tool. You can ask your AI agent for specific flight data—like checking if AA123 is delayed or getting the gate number—without navigating any app. Need to plan a whole trip? Ask it to pull schedules between two different cities and compare options instantly. It also pulls deep airport details, so you know what services are available at Chicago O'Hare before you even land. Accessing this data via Vinkius gives your agent one connection point to manage complex travel planning tasks, making the entire process feel like a simple conversation.

Core Capabilities

01 — Track real-time flight status

Get instant updates on any AA flight's current location and operational status (on time, delayed, or cancelled).

02 — Compare airport travel schedules

Retrieve full flight numbers, times, and aircraft types to compare travel options between two specific airports.

03 — Look up terminal details

Access information about a given American Airlines hub, including services and available amenities.

One Click on Vinkius — From Prompt to Execution

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

01 You instruct your AI agent in natural language: 'What is the status of my flight today?'

02 The MCP interprets this request, calls the appropriate tool (like `get_flight_status`), and pulls real-time data directly from American Airlines' systems.

03 Your agent processes the structured response and gives you a plain-language answer detailing the gate number, delay status, or schedule comparison.

The bottom line is your AI client handles all the complex API calls so you just get clear answers about flights and airports.

Built For

This MCP is essential for frequent business travelers, travel agents who plan itineraries daily, and airport operations staff. If your job involves coordinating multiple trips or monitoring delays across different carriers, this tool saves hours of manual checking.

Travel Agent

Comparing flight schedules between several cities to build the most efficient multi-leg itinerary for a client.

Operations Manager

Monitoring multiple incoming and outgoing flights simultaneously to predict potential gate conflicts or delays across a hub airport.

Business Traveler

Checking the real-time status of an approaching flight, then immediately checking if that destination airport has reliable ground transport services.

What Changes When You Connect

01 Real-time Status: Instantly track any American Airlines flight, knowing immediately if it's delayed or on time using `get_flight_status`.

02 Trip Planning: Compare multiple routes by calling `get_flight_schedule`, letting you find alternatives fast instead of checking multiple websites.

03 Airport Prep: Before leaving home, use `get_airport_info` to check the terminal layout and services at your destination hub so you know where to go.

04 Consolidated Data: You don't need three different tabs open. Your agent pulls all this operational data into one conversational summary.

05 Efficiency: Stop copy-pasting flight details. Just ask your agent, and it executes the necessary checks instantly.

Real-World Applications

A client needs to reschedule a trip due to an unexpected delay

Instead of calling AA and waiting on hold, you ask your agent about the original flight's status. After confirming the delay using `get_flight_status`, you immediately ask the agent to pull new schedule options for that route using `get_flight_schedule`.

Getting ready for a trip to a new city

You arrive at JFK and need to know what terminals are available. You ask your agent about the airport amenities, getting details on services and layouts using `get_airport_info` before you even step foot in the terminal.

Planning a multi-city business trip

You need to book flights from Dallas to Chicago and then onward to Miami. You tell your agent to compare the schedules for both legs in one go, letting you see which option is fastest using `get_flight_schedule`.

Patterns to Avoid

Treating it like a simple search query

✗ AVOID

Typing 'AA flight status JFK to LHR' into your agent, expecting one answer. The agent doesn't know if you want the schedule or just the current status.

✓ INSTEAD

Be specific: 'What is the real-time status for flight AA100 on 2024-12-31?' Use `get_flight_status` to get the exact data point you need.

Overloading the agent with too many parameters

✗ AVOID

Asking 'Give me all flights from MIA to DFW in December 2024, but only on Tuesdays that are also under 3 hours.' This is too complex for a single call.

✓ INSTEAD

Break it down. First, use `get_flight_schedule` for the date range you need. Then, filter the results yourself or ask follow-up questions about specific dates.

Assuming airport data is current

✗ AVOID

Asking 'What's available at ORD?' and getting outdated information on services or terminals.

✓ INSTEAD

Always verify the details. Use `get_airport_info` to get the most recent terminal layout and service list provided by the MCP.

The Right Fit

Use this American Airlines MCP if your primary pain point is coordinating complex travel logistics involving multiple flight legs or requiring real-time operational data. If you are a traveler, agent, or staff member who regularly needs to know *when* and *where* a specific AA flight is going, or what services an airport offers, this tool is perfect. Don't use it if you just need general travel advice (e.g., 'What should I wear in Miami?'). For that, a general knowledge agent is better. If your goal is to manage booking payments or check credit card balances, then this MCP won't help; you'll need a finance-type tool instead.

American Airlines MCP for AI Agents: Solving Flight Status Tracking

Right now, checking an American Airlines flight status means opening the airline's website or app. You manually type in the flight number and date. Then you wait for a page to load, scroll through potential delays, and finally copy down the gate information into your notes.

With this MCP, you simply ask your agent: 'What is the current status of AA123?' Your agent executes the check instantly using `get_flight_status` and provides you with the real-time update—gate number, delay minutes, or on-time confirmation—without opening a single browser tab.

American Airlines MCP for AI Agents: Planning Airport Itineraries

Manually planning a trip requires juggling multiple tabs. You check the schedule from your origin, then you check the destination's services, and finally you have to compare a second leg of travel on a third tab. This process takes minutes of frustrating clicking.

This MCP lets you ask for it all at once. By comparing schedules with `get_flight_schedule` or getting terminal details via `get_airport_info`, your agent aggregates the full picture, giving you actionable data in one fluid response.

3 American Airlines Tools for Real-Time Flight Tracking

Use these tools to check specific flight status, plan routes between airports, or get details on airport facilities.

#	TOOL	DESCRIPTION
01	`get_airport_info`	Gets information about a specific American Airlines hub, such as terminal layouts and available amenities.
02	`get_flight_schedule`	Pulls detailed flight numbers, departure/arrival times, and aircraft types to compare travel options between two airports on a date you specify.
03	`get_flight_status`	Provides the current real-time status for a specific American Airlines flight using its number and date.

See It in Action

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

U I'm flying AA100 tomorrow. What's the status and gate number?

Flight Status Report: American Airlines

- **Flight:** AA100
- **Date:** 2024-12-31
- **Status:** On Time ✅
- **Departure Gate:** B22
- **Estimated Departure:** 9:15 AM EST

Please remember to arrive at the airport at least two hours beforehand.

U Show me travel options from MIA to DFW next week.

Here are a few schedule options for Miami (MIA) to Dallas/Fort Worth (DFW) on 2025-01-15:

FLIGHT	DEPARTS	ARRIVES	AIRCRAFT
AA456	8:00 AM	11:30 AM	Boeing 737
AA901	1:00 PM	4:20 PM	Airbus A320

The morning flight is quicker and uses a smaller aircraft.

U What services are available at Chicago O'Hare (ORD)?

Chicago O'Hare Airport (ORD) Amenities

Terminal 3 currently offers:
• Retail: Duty-free shopping, electronics.
• Services: Multiple dining options, currency exchange.
• Layout Note: The baggage claim area for domestic flights is located in the north concourse.
Always check signs upon arrival.

Frequently Asked Questions

01 **How can I use the American Airlines MCP to check a flight status?**

You ask your agent directly, providing the flight number and date. It gives you real-time information like current delays or gate changes without needing to visit the AA website.

02 **Does this MCP help me compare flights between different cities?**

Yes. You can tell your agent two airports (e.g., MIA and DFW) and a date, and it will pull up multiple schedule options so you can pick the best route.

03 **What kind of airport information does American Airlines MCP provide?**

It gives details on terminal layouts and services at major hubs. You can check things like where to find specific amenities or which concourse a flight lands in.

04 **Is this useful for travel agents planning complex trips?**

Definitely. It lets you consolidate all the data—status, schedules, and airport info—into one conversation thread, saving time on cross-referencing details across multiple systems.

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 `"american-airlines": { "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

American Airlines 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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