

MCP SERVER

NO CODE

CLOUD HOSTED

# Checkfront MCP for AI Agents

## Manage tour availability and booking records

Checkfront connects your entire booking ecosystem—tours, activities, rentals, and classes—directly to any AI agent. You can instantly check real-time availability, view customer booking history, manage inventory levels, and pull detailed reservation reports without ever logging into the Checkfront platform.

**F** Quality Score 3.6/100

booking-engine

reservations

inventory-management

scheduling

activity-management



# 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.

# Checkfront MCP

8 tools available

Cloud-hosted on Vinkius

This MCP lets your AI agent interact with all aspects of your physical activity and tour business. Instead of manually jumping between tabs to verify open slots or find a specific customer's manifest, you just ask your agent. It pulls the live data directly from Checkfront.

You can have it list every item available for booking—whether that's a guided tour or a kayak rental. Want to know if your biggest client, John Smith, has future reservations? Your agent finds his profile and shows you his total spend and upcoming bookings. It even handles the business side, allowing you to look at general account settings. Vinkius hosts this MCP alongside thousands of others so that once your AI client is connected, it instantly gains access to all your operational data in one place.

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## Core Capabilities

### 01 — View and manage reservations

The agent pulls a list of current bookings, allowing you to see who's coming, when they're arriving, and what payments are processed.

### 03 — Determine open dates and slots

The agent checks availability for a given date range, telling you exactly what's open—from tours to equipment rentals.

### 05 — List business categories

Get a comprehensive list of all types of offerings you sell, like 'Tours' or 'Rentals,' along with item counts for each category.

### 02 — Check item inventory status

You can get details on any specific bookable experience or rental item, including its general information and pricing structure.

### 04 — Search customer profiles

Find specific customers by name or criteria; the system returns their contact info, booking history, and current waiver status.

# One Click on Vinkius — From Prompt to Execution

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

- 01** You direct your AI agent to handle a task, such as checking availability for next Saturday's tours.
- 02** The agent uses the MCP to query Checkfront's live database, fetching current inventory and booking records.
- 03** The system returns a concise summary of the data—for example, 'Only 4 spots left on the Mountain Bike Adventure,' allowing you to act immediately.

The bottom line is that your AI client transforms complex, multi-step operational queries into simple natural language commands.

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## Built For

This MCP is essential for anyone running an experience-based business—tourism companies, event venues, and activity centers. If you spend time manually cross-referencing spreadsheets of bookings or checking inventory across multiple internal systems, this tool saves you hours every week.

### Tour Operator

You use the MCP to quickly check if a specific date has room for 20 people on your Whale Watching Tour without opening the admin dashboard.

### Event Coordinator

You ask the agent to list all customers who booked next month, pulling together their names and total spending history instantly.

### Operations Manager

You check overall business settings or look at item listings across different categories (classes vs. rentals) to spot inventory gaps.

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## What Changes When You Connect

- 01** Stop guessing capacity. Use `check_availability` to immediately confirm if you have open slots for any date range before confirming a client.

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- 02 Never lose track of who booked what. You can use `list_bookings` to pull up manifests showing customer, group size, and payment status at a glance.

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  - 03 Get deep into the details with `get_booking` to quickly verify specific reservation notes or unique payment methods for any single transaction.

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  - 04 Manage your entire catalog by using `list_items` and `list_categories` together. This lets you see everything you sell—from classes to rentals—in one place.

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  - 05 Know your clients' history instantly. `search_customers` pulls up contact info, total spend, and even if they have waivers on file.
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## Real-World Applications

### **The booking inquiry needs immediate confirmation**

A customer calls asking about a weekend trip: 'Are there any kayak rentals left for August 15th afternoon?' You run `check_availability`, and the agent responds immediately with the exact number of double and single kayaks available.

### **The marketing team needs inventory data**

The manager wants to create a new package deal but needs to know what's available. They use `list_items` combined with `get_item` to compare the features of tours versus guided activities.

### **The team needs to prep for a large group arrival**

You need to know everyone's details before a charter bus arrives. You ask your agent to `list_bookings` for that day, pulling the full manifest including names and total revenue collected.

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# Patterns to Avoid

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## Assuming full payment processing

### X AVOID

Telling your agent, 'Process a refund for John Smith's booking.' The tool can only read existing data; it cannot execute financial transactions.

### ✓ INSTEAD

To find out if the booking was paid, use `search_customers` to view their total spend and then use `get_booking` to check the specific transaction details.

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## Listing items without context

### X AVOID

Asking 'What do we offer?' but not specifying if you mean tours or rentals. This leads to incomplete data that requires manual filtering.

### ✓ INSTEAD

Always start by using `list_categories` to narrow down the scope (e.g., 'Show me all activities in the 'Tours' category') before listing items.

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## Trying to modify core settings

### X AVOID

Asking your agent, 'Change the price for all kayak rentals.' The MCP is designed for reading and reporting data, not making global changes.

### ✓ INSTEAD

Use `get_account` only when you need to retrieve the current business configuration or general account limits; do not attempt updates.

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## The Right Fit

You should use this Checkfront MCP if your core workflow revolves around managing bookings, inventory, and customer records for physical activities. If you frequently ask questions like 'How many spots are left?' or 'Who booked last week?', this is for you. However, don't rely on it to handle payment processing; the tools only read data, they can't issue refunds or book new reservations themselves. Also, if your business model involves complex third-party integrations (like ticketing platforms that operate outside Checkfront), you may need a different type of connector instead.

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## Checkfront MCP for AI Agents: Streamlining Activity Booking Management

Right now, managing activity bookings is a mess. You're constantly jumping between the customer-facing booking page, the internal inventory list, and separate spreadsheets tracking who paid what. It's clicking through multiple tabs just to answer one question: 'Are we booked solid for next weekend?'

With this MCP, your agent handles it all in a single conversation. You ask about availability or reservations, and you get an instant, summarized report detailing the open slots or the full manifest of booked clients.

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## Checkfront MCP for AI Agents: Mastering Customer Reservation History

The manual process involves running individual customer lookups and then manually summing up their total spend across different dates. This is time-consuming, especially when dealing with large groups or corporate bookings.

Now, you simply ask your agent to search for a customer's profile. It aggregates all the necessary data—their booking history, contact info, and even if they filed waivers—and presents it in one digestible block.

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## 8 Tools for Checkfront: Booking & Inventory Management

Use these tools to query specific reservation details, check real-time capacity, list items, or search customer records through natural conversation.

#	TOOL	DESCRIPTION
01	<code>list_bookings</code>	Retrieves a comprehensive list of all scheduled reservations for specific dates or groups.
02	<code>get_booking</code>	Fetches the detailed information for one individual reservation, providing every booking element in depth.
03	<code>list_items</code>	Generates a full list of all bookable inventory within your platform, including tours and rentals.
04	<code>get_item</code>	Retrieves detailed specifications for one specific item in your inventory.
05	<code>check_availability</code>	Determines if open slots exist for any given experience, activity, or rental over a chosen time frame.
06	<code>list_categories</code>	Lists all content categories your business uses—like 'Tours' and 'Events'—and shows how many items fall into each one.
07	<code>search_customers</code>	Locates customer profiles, providing contact details, past booking totals, and status of required waivers.
08	<code>get_account</code>	Accesses high-level business configuration data and general account settings for the platform.

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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** What tours are booked next week? Show me who booked the Sunset Cruise.



### Upcoming Bookings: Oct 23 - Oct 30

TOUR NAME	DATE & TIME	CAPACITY	RESERVED SPOTS
Whale Watching Tour	Mon, Oct 23 @ 9:00 AM	24	18 (6 spots left)
Mountain Bike Adventure	Wed, Oct 25 @ 2:00 PM	8	SOLD OUT
Sunset Cruise	Fri, Oct 27 @ 5:00 PM	N/A	

*Manifest:* John Adams (4 tix), Maria Silva (2 tix), O'Connor Family (6 tix).

*Total Revenue Projected:* \$840 collected.

**U** Are we able to rent kayaks for the afternoon of August 15th?



Checking inventory for August 15th (12:00 PM - 5:00 PM)...

We have exactly **9** double kayaks and **4** single kayaks available for booking that day. These slots are currently open and ready to be reserved.

**U** Give me a list of all activities we offer, grouped by category.



### Inventory Overview (Total Items: 21)

- **Tours:** 8 items available. Includes 'Whale Watching' and 'Wine Country Tour'.
- **Rentals:** 7 items available. Features kayaks and bikes.
- **Classes:** 6 items available. Covers cooking and fitness classes.

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# Frequently Asked Questions

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**01 How does the Checkfront MCP help me manage tour availability?**

The Checkfront MCP lets your AI agent check real-time open slots for any activity or tour. You simply ask about a date and time frame, and it gives you an accurate count of available spots instantly.

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**02 Can I use the Checkfront MCP to find out who booked next month?**

Yes, you can easily list bookings for specific dates or groups. The agent pulls a comprehensive manifest detailing every client's name, group size, and reservation status.

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**03 What if I need to know how much a customer has spent in total?**

The MCP allows you to search for specific customers. It returns valuable data like their booking history and their calculated total spend across all reservations.

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**04 Does the Checkfront MCP work for rentals too, or just tours?**

It handles everything. You can check availability and list inventory for both guided tours and physical rental items, like kayaks or bikes, using one set of commands.

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**05 Is the Checkfront MCP good for large operations with many categories?**

Absolutely. It lists all your content categories—from 'Events' to 'Fitness Classes'—and provides item counts so you always know exactly what inventory you have across your whole business.

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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



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 `"checkfront": { "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

# Checkfront 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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Platform	Vinkius Cloud for AI Agents
Endpoint	<a href="https://edge.vinkius.com/{token}/mcp">https://edge.vinkius.com/{token}/mcp</a>

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