MCP SERVER | NO CODE | CLOUD HOSTED

Cloudbeds MCP for AI Agents

Manage Property Operations: Check Availability & Guest Records

Cloudbeds lets your AI client run an entire hotel operation through one chat window. Manage everything from bookings and guest profiles to housekeeping status and daily financial dashboards, all via natural conversation. Check room availability, track every transaction, or get a full picture of today's revenue instantly.

A+ Quality Score 100/100

property-management | hotel-reservations | booking-engine | revenue-management | guest-profiles | housekeeping

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vinkius.com/mcp/cloudbeds

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.

Cloudbeds MCP

10 tools available
Cloud-hosted on Vinkius

Need to manage a property without jumping between five different tabs? Connect your Cloudbeds account through this MCP and run the whole hotel from one chat window. You can ask your agent for an instant rundown of today's performance—like occupancy, total revenue, and ADR. Need to check if Room 312 is available next month? Just ask. If a front desk agent needs guest history, they can pull up everything about that person, including their past stays and spending habits. Housekeeping managers get real-time updates on cleaning status and which rooms need immediate attention. This capability lets you manage reservations, guests, rooms, transactions, and even run financial reports without ever leaving your chat client. It's the centralized operational view every manager needs.

Core Capabilities

01 — Check daily performance metrics

Pull up the property dashboard to see today's key figures like occupancy rate, total revenue, and average room rate.

02 — Find and review guest profiles

Search for any guest by name or contact info to view their full stay history, preferences, and lifetime value with the property.

03 — List current bookings

Retrieve a list of reservations, filtering them by status (like confirmed, checked in, or cancelled) for quick front-desk use.

04 — Get room inventory details

View all available rooms and the specific types offered on site, including amenity information and base rates.

05 — Update housekeeping status

Get a report on cleaning statuses across the property to help staff prioritize which rooms need service immediately.

One Click on Vinkius — From Prompt to Execution

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

01 Your AI client connects directly to your Cloudbeds account credentials via Vinkius.

02 The agent uses this MCP's tools to access real-time operational data about reservations, rooms, and guests.

03 It returns a natural language summary or structured data table that answers your specific question.

The bottom line is you get an instant, centralized view of the entire hotel operation through simple conversation.

Built For

This MCP is essential for anyone running a physical property who spends too much time switching between booking engines and reporting dashboards. It helps managers stop guessing at operational data points, giving them instant clarity on revenue, staffing needs, and guest status.

Front Desk Agent

You use the MCP to instantly look up a guest's booking details or check if an arriving room is available without calling another department.

Revenue Manager

You ask for trend data, like average daily rates (ADR) over the last quarter, or forecast occupancy changes based on current bookings.

Hotel Owner/General Manager

You run a quick morning briefing query: 'How did we do yesterday?' and get an immediate KPI summary of revenue and movement.

What Changes When You Connect

01 Daily operations get faster. Instead of checking separate reports, running a single query to 'get_dashboard' gives you today’s full occupancy rate, revenue, and ADR instantly.

02 Guest history is always ready. You can search for guests using the 'search_guests' tool to pull up their entire profile, past stays, and preferences in seconds.

03 Housekeeping gets organized. Use 'get_housekeeping' to get a prioritized list of dirty rooms awaiting turnover, eliminating manual walk-throughs.

04 Booking inquiries are simple. Running 'check_availability' lets your agent confirm open rooms for any date range without needing access to the core booking engine directly.

05 Financial tracking is seamless. You can use 'list_transactions' to track a guest's charges and payments, making end-of-stay billing much easier.

Real-World Applications

Guest needs immediate check-in information

A front desk agent asks the AI client for 'the ongoing reservation of John Doe.' The agent runs 'get_guest' and provides John's room number, check-in date, and any special preferences instantly.

Manager needs to forecast revenue gaps

A revenue manager asks the AI client: 'What rooms are available next month for corporate rates?' The agent runs 'check_availability' and lists open dates and room counts, helping optimize future pricing.

Housekeeping needs to clear backlogs

A supervisor asks the AI client: 'List all rooms that are currently dirty.' The agent uses 'get_housekeeping' to return a prioritized list of cleaning tasks, ensuring efficient staff deployment.

Checking past guest spending habits

The hotel owner wants to know how much Mr. Smith spent last year. They ask the AI client and it runs 'list_transactions' for that specific user, detailing all charges on file.

Patterns to Avoid

Confusing guest profiles with bookings

✗ AVOID

A manager tries to find out if a guest is staying by searching only their name in the general booking list. This misses past stay data or preference notes.

✓ INSTEAD

Always use 'search_guests' first; this tool returns profile details, including contact info and history. Then, you can use 'get_reservation' to see active bookings for that guest.

Ignoring room types when checking availability

✗ AVOID

A user asks simply for 'available rooms' without specifying the type or date range, leading to vague and unusable answers.

✓ INSTEAD

First, run 'list_room_types' to know what's possible. Then, use 'check_availability', referencing both a specific room type and a precise date range.

Attempting financial review without context

✗ AVOID

A staff member tries to reconcile payments by looking at the general dashboard only. This doesn't provide the detailed line items needed.

✓ INSTEAD

To see specific charges, you must use 'list_transactions', making sure you filter it by a reservation or guest ID for accurate accounting.

The Right Fit

Use this MCP if your core pain points involve switching between different property management screens—like checking availability in one place and viewing transactions in another. If you frequently need to ask, 'What is the current status of X?' (e.g., housekeeping status or occupancy rate), this tool centralizes that knowledge.

Don't use it if your primary task is creating brand new booking codes or managing billing software outside the Cloudbeds ecosystem; in those cases, you'd need a dedicated payment gateway integration. Also, if you only need to view publicly available marketing materials about rooms, 'list_room_types' works, but if you need live pricing changes, check the documentation for rate management tools.

Cloudbeds MCP for AI Agents: Streamlining Hotel Operations

Running a hotel operation today means juggling multiple systems. You click into the reservation module to see who's coming in, jump to housekeeping reports to check room statuses, and then pivot to the financial dashboard just to know what revenue was generated yesterday. It’s a manual loop of context switching that wastes time and leads to missed details.

With this MCP, you ask your agent: 'Give me today's operational summary.' The system runs all those checks—reservations, housekeeping status, and daily KPIs—and gives you one clear answer. You get an instant briefing on the whole property without opening a single tab.

Cloudbeds MCP for AI Agents: Managing Guest Data and Revenue

Before this, figuring out a guest’s full story meant checking their profile (for preferences), cross-referencing their booking details, and then manually pulling up their transaction log to see what they spent. It was slow, multi-step detective work.

Now, you just ask the agent for 'Mr. Johnson's complete record.' The MCP pulls together his profile, checks his current reservation status, and shows his financial history in one go. You own the full context of every guest stay.

Cloudbeds: 10 Tools for Comprehensive Hotel Operations Management

Use these tools to check availability, view full property dashboards, retrieve specific guest profiles, and manage all hotel reservations via your AI client.

#	TOOL	DESCRIPTION
01	`list_reservations`	Retrieves a list of hotel reservations, letting you filter by status like confirmed or checked out.
02	`get_dashboard`	Pulls up the main property dashboard with today's key metrics on revenue and occupancy.
03	`get_reservation`	Retrieves comprehensive details for a single, specific booking.
04	`search_guests`	Finds guest profiles and provides details on their past stays, contact information, and lifetime value.
05	`get_guest`	Retrieves a complete profile for a specific hotel guest by identifying data.
06	`list_rooms`	Lists all physical rooms in the property, giving you an overview of the current inventory.
07	`list_room_types`	Provides a breakdown of different room types available, including amenities and base pricing.
08	`get_housekeeping`	Checks the housekeeping status for all rooms to help staff prioritize cleaning tasks.
09	`check_availability`	Determines which rooms are open and available for any date range you specify.
10	`list_transactions`	Shows a guest's full financial history, allowing you to track charges and payments associated with their stay.

See It in Action

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

U What was our revenue performance for last night?

🏨 **Yesterday's Dashboard Summary — Oct 17**

💰 **Total Revenue**: $9,120.50
📊 **Occupancy Rate**: 84% (49/58 rooms)
📈 **ADR**: $186.13

✅ **Key Movements**: 7 check-ins completed; 5 check-outs processed.
🧹 **Housekeeping Note**: Three rooms were marked 'Dirty' late, delaying final status updates.

U Find the details for Mr. Chen who is checking out tomorrow.

Guest Profile Found: David Chen

- **Room:** 402 (Executive Suite)
- **Check-in**: Oct 15th
- **Check-out**: Oct 18th
- **Status**: Checked In. Balance Due: $0.00.

✅ **Notes**: Guest has a platinum status and requested feather-free pillows.

U How many rooms are available for two people next weekend?

I checked the calendar for Friday, Nov 1st through Sunday, Nov 3rd.

- **Friday (Nov 1st)**: 12 rooms available. Best type: Standard King.
- **Saturday (Nov 2nd)**: 8 rooms available. Best type: Double Queen.
- **Sunday (Nov 3rd)**: 15 rooms available. Mix of all types.

Let me know if you want to check rates for a specific date.

Frequently Asked Questions

01 **How can the Cloudbeds MCP help me track guest payments and charges?**

This MCP lets you review a guest's complete financial history by pulling transaction records. You see every charge, payment, and balance owed, which makes reconciling accounts much faster than manual lookups.

02 **Can I use the Cloudbeds MCP to check room status quickly?**

Yes, you can get a real-time report on housekeeping statuses. It tells you exactly which rooms are 'Dirty,' 'Inspected,' or ready for sale, helping your staff prioritize cleaning efforts.

03 **What kind of operational reports does the Cloudbeds MCP provide?**

It provides a comprehensive daily dashboard that summarizes key performance indicators (KPIs) like occupancy rate, revenue generated, and Average Daily Rate. It gives you a clear picture of how the property performed.

04 **Does the Cloudbeds MCP help with booking changes?**

Absolutely. You can use it to list reservations and filter them by status—whether they're confirmed, cancelled, or checked in—giving you an immediate overview of your current bookable inventory.

05 **Is the Cloudbeds MCP useful for revenue managers?**

Yes. It helps track financial trends and room availability across different date ranges, allowing you to optimize rates and forecast future revenue with reliable data.

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 `"cloudbeds": { "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

Cloudbeds 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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