

M C P S E R V E R

N O C O D E

C L O U D H O S T E D

Hostel Bed Cost Calculator MCP

Get exact pricing for your next group trip or solo stay.

Hostel Bed Cost Calculator MCP handles the math for hostel accommodations. It lets your AI client calculate total stay costs, compare different booking setups, estimate savings for large groups, and check if a specific booking fits your set budget.

A+ Quality Score 100/100

hostel

booking

calculator

travel-planning

budgeting



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.

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

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.

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 — connect your AI agent in under 60 seconds.

Hostel Bed Cost Calculator MCP

4 tools available

Cloud-hosted on Vinkius

Planning a trip shouldn't involve a spreadsheet full of bed rates and night counts. This MCP gives your AI agent the ability to run precise hostel math instantly. If you're organizing a trip for a large group, you can quickly see how much you'll save with bulk rates or decide if splitting a room is cheaper than booking individual beds. It takes the guesswork out of accommodation budgeting by letting your agent validate whether a specific hostel configuration stays under your limit. You just provide the number of beds, the nightly rate, and the duration, and your agent handles the rest.

Core Capabilities

01 — Stay Cost Calculation

Your agent calculates the total price for a specific number of beds and nights.

02 — Booking Comparison

Your agent compares different room or bed configurations to find the lowest price.

03 — Bulk Savings Estimation

Your agent estimates potential savings for large group bookings.

04 — Budget Validation

Your agent checks if a booking request fits within your defined budget.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/hostel-bed-cost-calculator — connect your AI agent in three steps.

- 01 Connect the MCP to your AI client like Claude or Cursor via Vinkius.
- 02 Provide your agent with booking details like bed count, nights, and rates.
- 03 The agent uses the specific tools to run the math.
- 04 You receive the calculated totals, comparisons, or budget confirmations.

Connect the MCP to your client and start asking about hostel costs.

Built For

This MCP is built for anyone managing travel logistics or group accommodations.

Travel Planners

They hand off group booking math and budget checks to the agent.

Backpackers

They use the agent to quickly compare hostel options on the go.

Group Organizers

They use the agent to estimate bulk discounts for large parties.

What Changes When You Connect

- 01 Eliminates manual math for bed and night calculations.
- 02 Provides instant comparisons between different booking configurations.
- 03 Identifies potential savings for large group stays.
- 04 Prevents overspending by validating bookings against a budget.

Real-World Applications

Group Trip Planning

Calculate the total cost for a dozen travelers staying in a hostel for a week.

Budget Management

Check if a specific hostel stay fits within a strict nightly limit.

Cost Optimization

Compare the cost of booking more beds for fewer nights versus fewer beds for more nights.

Discount Research

Estimate how much a group can save by requesting a bulk discount.

Patterns to Avoid

Manual Math Errors

❌ AVOID

You try to manually multiply the number of beds by the nightly rate and the total days in a spreadsheet.

✅ INSTEAD

Let your agent do the math for you. Use ``calculate_total_stay_cost`` to get an instant, accurate total for any booking.

Ignoring Group Savings

❗ AVOID

You book individual beds for a large group without checking if a bulk rate is actually cheaper.

✓ INSTEAD

Before you commit, use ``get_bulk_discount_estimate`` to see if your group qualifies for better pricing.

Budget Overruns

❗ AVOID

You find a great hostel but realize halfway through the planning that it's way over your total budget.

✓ INSTEAD

Run a check before you finalize anything. Use ``validate_booking_feasibility`` to ensure the stay fits your limits.

The Right Fit

Connect this MCP if you manage group travel or frequent hostel bookings. Skip it if you only book solo trips or luxury hotels where these specific bed-based math models don't apply. The decision comes down to whether you need to compare multiple booking configurations quickly.

Hostel Bed Cost Calculator: 4 Specialized Tools

These tools handle all the math for bed rates, nightly stays, and group discounts. Your agent uses them to run budget checks and compare different booking setups.

#	TOOL	DESCRIPTION
01	calculate_total_stay_cost	This tool calculates the full price for a specific hostel booking based on beds and nights.
02	compare_booking_options	Use this to weigh two different booking setups against each other to find the cheapest one.
03	get_bulk_discount_estimate	This tool estimates how much a large group might save through bulk discounts.
04	validate_booking_feasibility	This tool checks if a planned booking stays within your specific budget constraints.

See It in Action

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

U What is the total cost for 3 beds for 5 nights at \$25 per bed per night?



The total cost for 3 beds for 5 nights at \$25 per bed per night is \$375.00.

U Is a booking for 2 beds for 4 nights at \$30 per night feasible with a \$250 budget?



Yes, the total cost is \$240.00, which is within your \$250.00 budget, leaving \$10.00 remaining.

U Which is cheaper: 2 beds for 10 nights at \$20 each, or 4 beds for 5 nights at \$22 each?



The option with 2 beds for 10 nights at \$20 each is cheaper, with a total cost of \$400.00 compared to \$440.00 for the other option.

Frequently Asked Questions

01 What can this MCP calculate?

It calculates total stay costs, compares different booking options, estimates bulk discounts, and validates if a booking fits your budget.

02 Which AI clients can use this MCP?

You can use this with any MCP-compatible client, including Claude, Cursor, Windsurf, and VS Code.

03 How do I compare two different hostel stays?

You can ask your agent to use the `compare_booking_options` tool to see which configuration is cheaper.

04 Can I check if I am over budget?

Yes, the `validate_booking_feasibility` tool checks if a booking request fits within your specified budget.

05 Does this help with group discounts?

Yes, the `get_bulk_discount_estimate` tool provides an estimate of potential savings for large groups.

06 How do I calculate the total cost of my stay?

You can use the `'calculate_total_stay_cost'` tool by providing the number of beds, the number of nights, and the price per bed per night.

07 Can I check if a booking is within my budget?

Yes, the `'validate_booking_feasibility'` tool allows you to input your maximum budget to see if the calculated cost is within your limits.

08 Is there a way to see savings for large groups?

Yes, use `'get_bulk_discount_estimate'` to compare standard totals against discounted totals based on a bed count threshold.

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 <code>"hostel-bed-cost-calculator": { "url": "..." }</code>
 Windsurf	MCP Settings → <code>mcp_settings.json</code> → 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

Hostel Bed Cost Calculator 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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