

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

Parking Cost Calculator MCP

Manage parking expenses and validate stay durations through your AI client.

Parking Cost Calculator MCP gives your agent the ability to handle parking math and compliance. It calculates total costs, identifies if a rate is Economy, Standard, or Premium, and checks if a parking duration stays within set regulations. You can also get a clear, human-readable summary of any parking trip.

A+ Quality Score 100/100

parking

calculator

cost

validation

rates



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.

Parking Cost Calculator MCP

4 tools available

Cloud-hosted on Vinkius

You can hand off all your parking math to your AI client. This MCP handles the heavy lifting of calculating total fees and checking if a stay fits within specific time limits. Instead of manually calculating daily rates against trip length, you just tell your agent how long you stayed and what the rate was. It can identify whether a specific rate falls into the Economy, Standard, or Premium tier. If you need a quick recap of a trip's cost and duration, the MCP generates a clean summary for you. It's a straightforward way to keep track of parking expenses without doing the arithmetic yourself.

Core Capabilities

01 — Cost Calculation

Your agent calculates the exact total owed for any given parking duration.

03 — Duration Validation

Your agent checks if a stay length meets specific regulatory requirements.

02 — Rate Classification

The MCP identifies if a rate belongs to the Economy, Standard, or Premium tier.

04 — Trip Summarization

The MCP creates a readable summary of trip costs and time spent.

One Click on Vinkius — From Prompt to Execution

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

- 01 Connect your preferred MCP-compatible client to Vinkius.
- 02 Provide your agent with parking duration and rate details.
- 03 The agent invokes the necessary tool to calculate or validate the data.
- 04 Receive the calculated cost, tier, or summary directly in your chat interface.

Connect your client to Vinkius and start sending parking data to your agent.

Built For

This MCP is for anyone managing logistics or expenses related to vehicle parking.

Logistics Coordinators

They hand off trip cost calculations and duration checks to their agent.

Fleet Managers

They use the MCP to validate if driver stays comply with parking rules.

Expense Auditors

They use the tool to verify rate tiers and summarize trip costs.

What Changes When You Connect

- 01 Automates the math for daily parking rates and total costs.
- 02 Checks stay durations against regulations automatically.
- 03 Categorizes rates into specific tiers like Economy or Premium.
- 04 Generates readable trip summaries for quick review.

Real-World Applications

Expense Verification

Your agent checks if a parking charge matches the expected daily rate and duration.

Compliance Checking

You use the tool to ensure a vehicle's stay doesn't exceed allowed time limits.

Budget Planning

Your agent calculates total expected costs for long-term parking stays.

Tier Auditing

You verify that the applied rate matches the correct Economy, Standard, or Premium tier.

Patterns to Avoid

Manual Math Errors

❌ AVOID

You try to manually multiply the daily rate by the number of days in your chat window. This leads to rounding errors or missed fees.

✓ INSTEAD

Let your agent handle the math using ``calculate_total_cost`` to ensure the total is exact.

Ignoring Tier Rules

❗ AVOID

You assume a rate is Economy when it actually falls under the Premium tier. This causes issues during expense audits.

✓ INSTEAD

Run the rate through ``get_rate_tier`` to confirm the correct classification before finalizing any reports.

Regulatory Oversight

❗ AVOID

You approve a long-term stay without checking if it violates local parking time limits. This results in unexpected fines.

✓ INSTEAD

Always use ``validate_parking_period`` to confirm the duration meets all necessary requirements.

The Right Fit

Connect this MCP if you manage vehicle fleets, logistics, or corporate expense auditing. Do not connect it if you are looking for real-time GPS tracking or vehicle location data. The decision rests on whether you need to automate parking cost math and compliance checks.

Parking Cost Calculator: 4 Specialized Tools

These tools handle all the arithmetic and tier classification for parking stays. Your agent uses them to calculate totals, check regulations, and summarize trip data.

#	TOOL	DESCRIPTION
01	calculate_total_cost	This tool calculates the total amount owed for a parking stay based on the provided duration and rate.
02	get_rate_tier	Use this to find out if a specific daily rate is classified as Economy, Standard, or Premium.
03	summarize_parking_trip	This tool provides a clear, human-readable overview of the total costs and duration for a parking trip.
04	validate_parking_period	This tool checks if a requested parking duration complies with established regulations or limits.

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 5 days at a rate of \$10 per day?



The total cost for 5 days at \$10 per day is \$50.

U Is a 15-day parking stay valid?



Yes, a 15-day stay is within the allowed limits.

U Summarize a trip of 3 days with a \$15 daily rate.



The trip lasted 3 days with a total cost of \$45.

Frequently Asked Questions

01 How do I use this MCP with my AI client?

You connect your client to Vinkius once. After that, your agent can call the parking tools directly.

02 Can this MCP check if a parking stay is too long?

Yes, the `validate_parking_period` tool checks if a duration is within acceptable limits.

03 What pricing tiers are supported?

The MCP can identify if a rate is Economy, Standard, or Premium.

04 Does this calculate total costs?

Yes, the `calculate_total_cost` tool finds the total amount owed for a stay.

05 Can I get a summary of a parking trip?

Yes, the `summarize_parking_trip` tool provides a human-readable overview of the trip.

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

You can use the `'calculate_total_cost'` tool by providing the number of days and the daily rate.

07 Can I check if my parking duration is valid?

Yes, the `'validate_parking_period'` tool checks if the duration is within acceptable limits.

08 What pricing tiers are available?

The `'get_rate_tier'` tool categorizes rates into Economy, Standard, or Premium tiers.

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>"parking-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

Parking 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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Endpoint	<code>https://edge.vinkius.com/{token}/mcp</code>

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