MCP SERVER | NO CODE | CLOUD HOSTED

Moving Truck Sizer MCP for AI Agents

Get precise truck size recommendations for residential moves.

Moving Truck Sizer helps you figure out exactly what truck size you need for a move. It calculates cubic footage based on your home layout and specific bulky items like pianos or sectionals, then recommends the right vehicle from a fleet while ensuring you don't overstuff the truck.

A+ Quality Score 100/100

moving | relocation | truck-size | logistics-calculator | packing-estimate

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vinkius.com/mcp/moving-truck-sizer

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.

Moving Truck Sizer MCP

3 tools available
Cloud-hosted on Vinkius

Moving Truck Sizer helps you figure out exactly what truck size you need for a move. Planning a relocation is usually a guessing game where you end up either renting a truck that's too small to fit your life or paying for a massive one you don't need. This MCP takes the guesswork out of the logistics by acting as a digital moving coordinator. You can tell your agent about your home, such as a small studio or a four-bedroom house, and it'll crunch the numbers to estimate your total cubic footage. It knows that a piano or a sectional sofa takes up way more room than a standard box, so it accounts for those high-volume items automatically. Once the volume is set, it picks the best fit from a fleet of cargo vans and trucks, always sticking to a 90% capacity rule so you aren't trying to cram everything in at the last second. It's a handy addition to the Vinkius catalog for anyone who wants to get the moving logistics right the first time without the headache of manual calculations or the stress of overstuffing a vehicle. You get a clear picture of what you actually need before you ever sign a rental agreement. This means less time spent measuring furniture and more time focused on the actual move. It turns a messy logistical hurdle into a few simple questions and answers.

Core Capabilities

01 — Calculate cubic footage

The MCP estimates the total space your belongings will take up based on your home type and specific items.

02 — Recommend truck size

It identifies the most efficient vehicle for your specific load volume.

03 — View fleet inventory

You can see a full list of available trucks and their maximum capacities.

04 — Apply safety buffers

The system ensures your load never exceeds 90% of a truck's capacity to prevent overstuffing.

05 — Account for bulky furniture

It automatically adjusts volume estimates for high-impact items like pianos or sectionals.

One Click on Vinkius — From Prompt to Execution

Available at **vinkius.com/mcp/moving-truck-sizer** — connect your AI agent in three steps.

01 Tell your agent your home type, square footage, and a list of big items like sofas or pianos.

02 The MCP calculates the total cubic footage and checks it against available vehicle capacities.

03 You get a specific truck recommendation that fits your load with a built-in safety buffer.

The bottom line is you get a precise truck recommendation that actually fits your belongings.

Built For

This is for anyone planning a residential move who wants to avoid the embarrassment of a truck that's too small or the wasted money of a truck that's too big.

Moving Coordinator

They use this to quickly assign the right sized trucks to multiple clients without doing manual math.

Relocation Planner

They use it to map out the logistics of a large household move and ensure all bulky items are accounted for.

DIY Mover

They use it to figure out what they can actually fit in a rental truck before they head to the rental yard.

Real Estate Agent

They use it to give clients a clear picture of the moving requirements for a new property.

What Changes When You Connect

01 Stop guessing truck sizes by getting accurate cubic footage estimates with estimate_volume.

02 Avoid overstuffing by using a 90% safety buffer in every recommend_truck suggestion.

03 See your options clearly with get_truck_inventory to understand vehicle limits.

04 Save money on rentals by matching your specific load to the smallest viable truck.

05 Handle bulky items like pianos or sectionals without worrying about extra space.

Real-World Applications

The Apartment Move

A user has a 2-bed apartment and a piano. The agent uses estimate_volume to find the cubic footage and then recommend_truck to find a 15ft truck.

The Fleet Check

A moving company manager wants to know what's available. They use get_truck_inventory to see all 10ft to 26ft options.

The Dense Load

Someone has 1500 cubic feet of stuff. The agent identifies that a 26ft truck is needed but warns them about the 90% capacity limit.

The Furniture Audit

A user lists five large sectional sofas. The agent uses estimate_volume to see if a cargo van is enough or if they need a 20ft truck.

Patterns to Avoid

Trying to fit a house in a van

✗ AVOID

A user tries to move a 4-bed house in a cargo van without checking the volume first.

✓ INSTEAD

Use estimate_volume first to see the real total cubic footage before choosing a vehicle.

Ignoring the capacity limit

✗ AVOID

A user tries to pack a truck to 100% capacity, making it impossible to close the doors.

✓ INSTEAD

Let the agent use recommend_truck to ensure the load stays under the 90% safety threshold.

Manual math errors

✗ AVOID

A user tries to calculate the cubic footage of a piano and sofa by hand and gets it wrong.

✓ INSTEAD

Use estimate_volume to automate the math based on your specific home type and bulky items.

The Right Fit

Use this if you are planning a residential move and need to know what size truck to book. It's perfect for calculating volume based on home stats and bulky items. Don't use it if you just need to move commercial freight or shipping containers, as it's built for residential relocation. If you need to manage a complex logistics fleet with multi-stop routes, you'd need a different routing tool. Use this for accurate planning; don't use it for industrial shipping.

Moving Truck Sizer Relocation Logistics

Most people start moving by looking at their stuff and guessing if a 10-foot truck is enough. They end up at the rental yard, realize they can't fit the sofa, and have to pay for a second trip or a bigger truck on the fly. It's a stressful way to start a move.

This MCP changes that by letting your agent do the math for you. You just describe your home, like a small studio or a four-bedroom house, and it gives you a solid recommendation based on real cubic footage. You get a plan that actually works.

Moving Truck Sizer Residential Volume Planning

You no longer have to manually calculate how much space a sectional or a piano takes up. The tool handles the heavy lifting of volume estimation and capacity checks.

You get to skip the will it fit anxiety and move straight to the loading phase with the right truck.

Moving Truck Sizer 3-Tool Relocation Calculator

Use these tools to estimate move volume, check truck inventory, and get specific vehicle recommendations.

#	TOOL	DESCRIPTION
01	`recommend_truck`	Suggests the best vehicle size based on your total volume.
02	`estimate_volume`	Calculates the cubic footage needed for your specific move.
03	`get_truck_inventory`	Lists all available trucks and their maximum capacities.

See It in Action

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

U I am moving from a 1200 sq ft 2-bed apartment and I have a piano and a sectional sofa. How much space will I need?

Based on your 2-bed apartment and bulky items, the estimated volume is approximately **850 cubic feet**.

This fits best in a **15ft truck**.

Note: This leaves you with plenty of room for standard boxes while keeping your large furniture safe.

U What is the capacity of the largest truck available?

The largest vehicle in our fleet is the **26ft truck**, which has a maximum capacity of **1600 cubic feet**.

U I have an estimated volume of 1500 cubic feet. Which truck should I use?

For a volume of 1500 cubic feet, the **26ft truck** is recommended.

Important Note: This exceeds the 90% safety threshold for this size, so please ensure your items are packed efficiently to avoid overstuffing.

Frequently Asked Questions

01 **How does Moving Truck Sizer help me plan my move?**

It calculates the total space your belongings need based on your home type and big items, then tells you exactly which truck size to book.

02 **Can Moving Truck Sizer account for large items like pianos?**

Yes, it specifically looks for high-volume items like pianos and sectionals to make sure they are included in your total cubic footage estimate.

03 **Why does Moving Truck Sizer suggest a 90% capacity rule?**

It helps you avoid overstuffing. By recommending a truck that only fills 90% of the space, you ensure everything fits easily and the doors can actually close.

04 **Is Moving Truck Sizer good for moving a 4-bedroom house?**

Yes, you can tell your agent the number of bedrooms and the square footage, and it will calculate the necessary volume for a large home move.

05 **Can I see what trucks are available using Moving Truck Sizer?**

Yes, you can ask your agent to list the available fleet, which includes cargo vans and trucks ranging from 10ft to 26ft.

06 **Will Moving Truck Sizer tell me if my truck is too small?**

Yes, if your estimated volume is too high for a specific vehicle, the MCP will suggest a larger truck size to ensure your move goes smoothly.

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 `"moving-truck-sizer": { "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

Moving Truck Sizer 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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