

MCP SERVER

NO CODE

CLOUD HOSTED

# Box Quantity Estimator MCP for AI Agents

Get an accurate moving supply list and truck volume estimates for your next relocation.

Box Quantity Estimator helps you figure out exactly how many moving boxes and specialty supplies you'll need for a relocation. Just give it your home's square footage, room count, and closet details, and it'll give you a breakdown of standard boxes, mattress bags, and wardrobe boxes. It even calculates total cubic footage so you can pick the right truck size.

**A+** Quality Score 100/100

moving

packing

relocation

logistics

estimation

home-services



# 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](https://cloud.vinkius.com) — connect your AI agent in under 60 seconds.

# Box Quantity Estimator MCP

3 tools available

Cloud-hosted on Vinkius

Planning a move is usually a guessing game that leads to either a mountain of leftover boxes or a frantic last-minute run to the hardware store. You're trying to visualize how much stuff you actually have while also trying to figure out if your truck is going to be big enough. This MCP takes the guesswork out of the logistics. Instead of squinting at a spreadsheet or trying to mentally map out every closet, you can just tell your AI client about your space. It uses historical relocation data to give you a realistic count of small, medium, large, and extra-large boxes based on your home's layout. It handles the tricky stuff too, like figuring out how many mattress bags or wardrobe boxes you'll need based on your bedroom count. You'll get a clear picture of your packing volume and a complexity score to help you plan the labor. It's a huge time-saver when you're trying to organize a move without the headache of over-ordering supplies. You can find this and thousands of other tools in the Vinkius catalog, making it easy to plug into your existing workflow. It makes the transition from a pile of belongings to a packed truck much smoother.

---

## Core Capabilities

**01 — Count standard boxes**

Get a breakdown of small, medium, large, and extra-large boxes for your move.

**03 — Calculate total volume**

Find out the total cubic footage your belongings will occupy.

**05 — Map home inventory**

Convert your room count and square footage into a physical supply list.

**02 — Predict specialty supplies**

See how many mattress bags, wardrobe boxes, and TV boxes you'll need.

**04 — Assess packing complexity**

Get a score that helps you understand how dense your packing will be.

# One Click on Vinkius — From Prompt to Execution

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

- 01 Tell your AI client your home's square footage, room count, and number of closets.
- 02 Let the MCP analyze your inventory against historical moving data.
- 03 Get a detailed list of required boxes and a total volume estimate.

The bottom line is you get a precise shopping list for your move without the manual math.

---

## Built For

This is for people who hate the guess and check method of moving. It's for the DIY mover who wants to avoid extra trips to the store and the relocation coordinator who needs to give clients accurate quotes quickly.

### DIY Homeowner

Uses it to make sure they have enough tape and boxes before the truck arrives.

### Relocation Coordinator

Uses it to give homeowners a realistic estimate of their packing needs during the initial consultation.

### Professional Organizer

Uses it to help clients visualize the scale of their move and the supplies required.

---

## What Changes When You Connect

- 01 Stop over-buying supplies. Use `estimate_standard_boxes` to get the right amount of small, medium, and large boxes so you don't waste money on extras.
- 02 Pick the right truck size. `calculate_packing_volume_footprint` tells you the total cubic footage, so you don't end up renting a truck that's too small.

- 
- 03 Save time on specialty items. `estimate_specialty_items` automatically calculates your needs for mattress bags and wardrobe boxes based on your bedroom count.

---

  - 04 Reduce move-day stress. Knowing your packing complexity score helps you plan how much help you'll need to hire or recruit.

---

  - 05 Get instant relocation quotes. Quickly turn home dimensions into a tangible list of supplies for faster client communication.
- 

---

## Real-World Applications

### Planning a DIY apartment move

A user tells their agent they have a 2-bedroom apartment and wants to know how many boxes to buy. The agent uses `estimate_standard_boxes` to give a specific count.

### Preparing for a long-distance move

A user wants a full supply list for a 4-bedroom house. The agent uses `estimate_specialty_items` to account for all the wardrobes and beds.

### Booking a moving truck

A homeowner wants to know if a 15ft truck is enough. The agent uses `calculate_packing_volume_footprint` to provide the total cubic footage.

### Estimating costs for a client

A relocation pro asks for a supply estimate for a 2,000 sqft home. The agent uses all three tools to provide a comprehensive breakdown.

---

## Patterns to Avoid

### Guessing truck size

#### ✗ AVOID

Users often rent a truck that's too small because they don't know their volume.

#### ✓ INSTEAD

Use `calculate_packing_volume_footprint` to get an actual cubic footage estimate first.

---

### Buying too many specialty boxes

#### X AVOID

People often over-buy wardrobe boxes.

#### ✓ INSTEAD

Use `estimate_specialty_items` to get a count based on your actual closet count.

---

### Manual inventory counting

#### X AVOID

Trying to count every single item by hand is exhausting.

#### ✓ INSTEAD

Let the agent use `estimate_standard_boxes` to turn your square footage into a box count instantly.

---

## The Right Fit

Use this if you're planning a residential move and need to know how many boxes to buy or what size truck to rent. It's perfect for DIY movers or relocation pros who need to turn home size into supply count quickly. Don't use this if you need to track individual items like specific furniture pieces or if you're looking for a real-time inventory checklist. This MCP provides estimates based on home dimensions, not a manual audit of every single object in your house. If you need to manage a commercial warehouse move with complex inventory, you'd be better off with a dedicated warehouse management system.

---

---

## Box Quantity Estimator for Accurate Moving Logistics

Most people start planning a move by walking through their house and trying to imagine how many boxes they'll end up with. You find yourself wondering if you'll have enough room in the truck or if you'll be making three trips to the store because you ran out of small boxes. It's a lot of mental math that usually leads to overspending on supplies or running out of tape and cardboard halfway through the day.

This MCP changes that by turning your home's dimensions into a concrete shopping list. You just tell your AI client the size of your house and the number of rooms you have. It handles the math using historical data to tell you exactly how many boxes you'll need and how much space your stuff will actually take up. You get a clear plan before you ever load the first box.

---

---

# Simplify Relocation Planning with Box Quantity Estimator

You can skip the manual calculations for specialty items like wardrobe boxes or mattress bags. Instead of guessing how many beds you can fit into bags, the tool looks at your room count and gives you a reliable estimate. It also gives you a packing complexity score so you know how much effort to prepare for.

You'll stop wasting money on extra boxes and start your move with the right equipment. It's about moving from I think I have enough to I know exactly what I need.

---

# Box Quantity Estimator: 3 Moving Logistics Tools

Get precise box counts, specialty supply estimates, and total packing volumes for your home move.

#	TOOL	DESCRIPTION
01	<code>calculate_packing_volume_footprint</code>	Determines the total cubic footage and packing complexity of your belongings. This helps you pick the right truck size and understand the scale of the move.
02	<code>estimate_specialty_items</code>	Predicts the number of wardrobe boxes, mattress bags, and TV boxes you'll need. It bases these counts on your specific bedroom and closet details.
03	<code>estimate_standard_boxes</code>	Provides a count of small, medium, large, and extra-large boxes needed for a move. It uses your home's square footage and room count to generate the list.

---

## See It in Action

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

**U** I'm moving a 3-bedroom house with 4 closets. How many boxes should I get?



Based on a 3-bedroom house with 4 closets, here is your estimated supply list:

- **Standard Boxes:** 35 Medium, 20 Large, 10 Small, 4 Extra-Large
- **Specialty Items:** 4 Wardrobe Boxes, 3 Mattress Bags
- **Packing Complexity:** Moderate

You'll likely need a truck with at least 20-25 cubic feet of space.

**U** I have a 1,000 sqft apartment. What's the total volume of my stuff?



For a 1,000 sqft apartment, your estimated packing volume is:

- **Total Volume:** ~320 cubic feet
- **Complexity Score:** High-density

*Tip: Since your items are packed densely, a smaller truck might work, but ensure you have enough floor space to organize the loading.*

**U** How many wardrobe boxes and mattress bags do I need for 3 bedrooms?



For 3 bedrooms, you should prepare:

- **Wardrobe Boxes:** 3
- **Mattress Bags:** 3
- **TV Boxes:** 2 (assuming standard bedroom setup)

This should cover your main sleeping areas.

---

# Frequently Asked Questions

---

**01 How can Box Quantity Estimator help with my move?**

It gives you a specific list of boxes and supplies based on your home size. You won't have to guess how many items you need to buy.

---

**02 Can Box Quantity Estimator tell me what size truck to rent?**

Yes, it calculates your total packing volume in cubic feet. You can use that number to choose the right truck size.

---

**03 Does Box Quantity Estimator include specialty items?**

It estimates needs for wardrobe boxes, mattress bags, and TV boxes based on your closet and bed counts.

---

**04 How accurate are the Box Quantity Estimator results?**

The tool uses historical relocation data to provide realistic estimates for standard home sizes and room counts.

---

**05 Can I use Box Quantity Estimator for an apartment?**

Absolutely. Just tell your agent the square footage and room count, and it'll give you a breakdown for your apartment.

---

**06 Will Box Quantity Estimator help me save money?**

Yes, by giving you a specific count of small, medium, and large boxes, you can avoid buying more than you actually need.







---

# 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
 <b>Claude AI</b>	Profile → Customize → Connectors → "+" → Add custom connector → Paste endpoint
 <b>Cursor</b>	Settings → Features → MCP Servers → "+ Add New MCP Server" → Type: SSE → Paste endpoint
 <b>VS Code</b>	Ctrl/Cmd+Shift+P → "MCP: Add Server" → add <code>"box-quantity-estimator": {   "url": "..." }</code>
 <b>Windsurf</b>	MCP Settings → <code>mcp_settings.json</code> → Add endpoint URL
 <b>ChatGPT</b>	Settings → Tools & plugins → Add MCP server → Paste endpoint
 <b>Gemini</b>	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

# Box Quantity Estimator 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)

### INDEPENDENT PLATFORM DISCLAIMER

Vinkius is an independent platform and is not affiliated with, endorsed by, sponsored by, verified by, or otherwise authorized by Box Quantity Estimator. All third-party trademarks, logos, and brand names are the property of their respective owners. Their use in this document is strictly for informational purposes to identify service compatibility and interoperability.

### DOCUMENT INFORMATION

Generated	July 2026
MCP Server	Box Quantity Estimator MCP
Server ID	019f3050-f4e1-71b8-b9e7-d1b899397128
Platform	Vinkius Cloud for AI Agents
Endpoint	<a href="https://edge.vinkius.com/{token}/mcp">https://edge.vinkius.com/{token}/mcp</a>

### LICENSE & USAGE

This document is generated automatically by the Vinkius PDF Engine. Content reflects the MCP server configuration at the time of generation and may change as updates are deployed. For the most current information, visit [vinkius.com/mcp/box-quantity-estimator](https://vinkius.com/mcp/box-quantity-estimator).