

Route optimization and logistics planning

Automatically optimizes daily delivery routes for moving crews based on job locations, traffic patterns, and resource availability to minimize travel time and fuel costs while maximizing completed moves per day.

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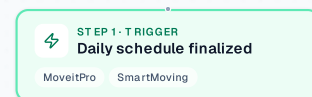


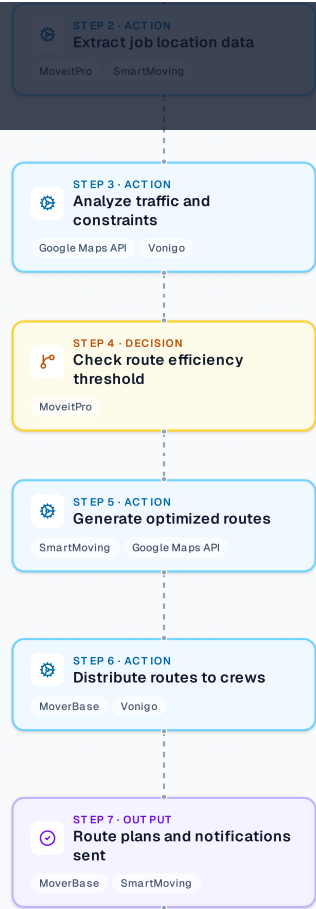
WORKFLOW TRIGGER

Daily job schedule is finalized 24 hours before move date

Visual Flow

Each node represents an automated step. Connections show how data and decisions move through the workflow.





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Step-by-Step Breakdown

Detailed explanation of each automated stage in the workflow.

1

⚡ TRIGGER

Daily schedule finalized

The system detects that tomorrow's moving jobs have been confirmed and locked in the scheduling system. All customer addresses, move sizes, and crew assignments are ready for route planning.

2

 ACTION

Extract job location data

Pulls pickup and delivery addresses, estimated move duration, truck size requirements, and crew assignments from the job management system.

Validates all addresses for accurate geocoding.

MoveitPro

SmartMoving

3

 ACTION

Analyze traffic and constraints

Retrieves real-time and historical traffic data, road restrictions for large trucks, and identifies optimal time windows for each location. Considers crew availability and truck capacity limits.

Google Maps API

Vonigo

4

 DECISION

Check route efficiency threshold

Evaluates if the optimized route meets minimum efficiency standards (under 20% deadhead mileage). Routes above threshold proceed to finalization, others trigger manual review.

MoveitPro

5

 ACTION

Generate optimized routes

AI Business OS

Creates turn-by-turn route plans for each crew with estimated arrival times, fuel stops, and backup routes. Sequences jobs to minimize total drive time while respecting customer time windows.

SmartMoving

Google Maps API

6

 ACTION

Distribute routes to crews

Automatically sends route plans to crew mobile devices and updates customer notifications with revised arrival time estimates. Syncs route data with GPS tracking systems.

MoverBase

Vonigo

7

 OUTPUT

Route plans and notifications sent

Crews receive detailed route instructions on mobile devices while customers get automated SMS/email updates with accurate arrival windows. Dispatch dashboard shows optimized daily plan.

MoverBase

SmartMoving



Outputs

- Turn-by-turn route plans for each crew

AI Business OS

- Customer arrival time notifications
- Fuel and mileage cost projections
- Backup route alternatives



Key Metrics

- Total daily mileage reduction percentage
- Average jobs completed per crew per day
- Customer arrival time accuracy rate



Tools & Integrations

- MoveitPro
- SmartMoving
- Google Maps API
- Vonigo
- MoverBase

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