

Route optimization and dispatch coordination

This workflow automatically optimizes daily cleaning routes and dispatches technicians to maximize efficiency while minimizing travel time and fuel costs.

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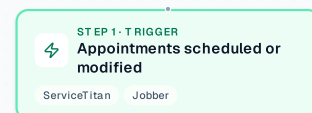
WORKFLOW TRIGGER

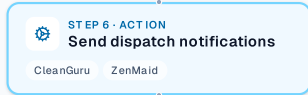
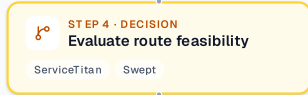


New cleaning appointments are scheduled or existing appointments are modified for the next day

Visual Flow

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





Step-by-Step Breakdown

Detailed explanation of each automated stage in the workflow.

1

⚡ TRIGGER

Appointments scheduled or modified

The system detects new or changed cleaning appointments in the scheduling system. This triggers the route optimization process for the following day.

2

 ACTION

Retrieve job details and constraints

System pulls all scheduled appointments with locations, service durations, special requirements, and technician availability. Also retrieves equipment needs and client preferences for each job.

CleanGuru

ZenMaid

3

 ACTION

Calculate optimal routes

AI algorithm processes all job locations, traffic patterns, and time windows to create the most efficient routes. Considers technician skills, vehicle capacity, and geographic clustering.

Swept

ServiceM8

4

 DECISION

Evaluate route feasibility

System checks if optimized routes can be completed within work hours and staff availability. Routes exceeding capacity or time limits are flagged for adjustment.

ServiceTitan

Swept

5

 ACTION

Assign technicians to routes

Routes are automatically assigned to available technicians based on skills, certifications, and proximity to starting locations. Backup assignments are created for coverage.

Jobber

ServiceM8

6

 ACTION

Send dispatch notifications

Automated messages are sent to technicians with their route details, job specifications, and equipment requirements. Clients receive arrival time confirmations.

CleanGuru

ZenMaid

7

 OUTPUT

Generate optimized dispatch schedule

Final dispatch schedule is created with optimized routes, estimated arrival times, and contingency plans. Real-time tracking links are activated for monitoring progress.

ServiceTitan

Swept



Outputs

- Optimized daily route schedules

AI Business OS

- Technician dispatch assignments
- Client arrival time notifications



Key Metrics

- Average travel time between jobs
- Route efficiency percentage
- On-time arrival rate



Tools & Integrations

- ServiceTitan
- Jobber
- CleanGuru
- ZenMaid
- Swept
- ServiceM8

AI Business OS

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