

Staff scheduling based on traffic patterns

Automatically analyzes historical foot traffic data and generates optimized staff schedules to ensure adequate coverage during peak periods while minimizing labor costs during slow periods.

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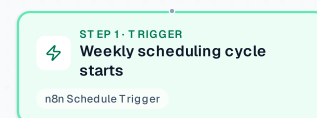


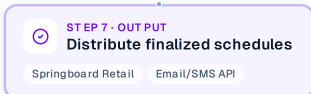
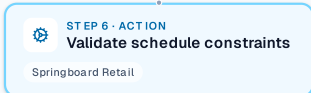
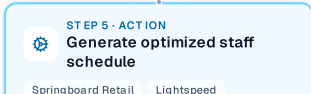
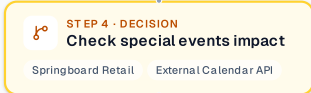
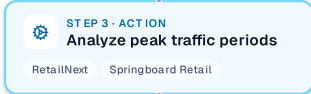
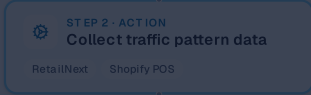
WORKFLOW TRIGGER

Weekly scheduling cycle begins (typically Sunday evening for the following week)

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

Weekly scheduling cycle starts

The automated scheduling process initiates every Sunday evening to prepare staff schedules for the upcoming week. This ensures consistent timing for schedule publication and staff notification.

2

 ACTION

Collect traffic pattern data

Retrieves historical foot traffic data, customer visit patterns, and sales velocity metrics from the past 4-6 weeks. This data forms the foundation for predicting staffing needs.

RetailNext

Shopify POS

3

 ACTION

Analyze peak traffic periods

Processes traffic data to identify high-traffic time slots, seasonal patterns, and day-of-week variations. The system calculates average customer volume per hour and identifies staffing requirements.

RetailNext

Springboard Retail

4

 DECISION

Check special events impact

Determines if upcoming week contains holidays, local events, or promotions that could significantly alter normal traffic patterns. Routes to either standard scheduling or adjusted scheduling based on event presence.

Springboard Retail

External Calendar API

5

 ACTION

Generate optimized staff schedule

Creates staff schedules matching predicted traffic volumes with appropriate staff-to-customer ratios. Considers employee availability, labor budget constraints, and minimum coverage requirements.

Springboard Retail

Lightspeed

6

 ACTION

Validate schedule constraints

Ensures generated schedule meets labor law requirements, employee availability preferences, and store operational needs. Makes final adjustments for compliance and feasibility.

Springboard Retail

7

 OUTPUT

Distribute finalized schedules

Publishes completed schedules to staff management system and sends notifications to employees via email or SMS. Creates backup coverage recommendations for unexpected absences.

Springboard Retail

Email/SMS API



Outputs

- Weekly staff schedule with hourly coverage

- Employee schedule notifications

AI Business OS



Key Metrics

- Staff utilization rate
- Customer service wait times
- Labor cost per transaction



Tools & Integrations

- n8n Schedule Trigger
- RetailNext
- Shopify POS
- Springboard Retail
- Lightspeed
- External Calendar API
- Email/SMS API

AI Business OS

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