

Dynamic pricing based on demand and weather

This workflow automatically adjusts car wash pricing across all locations based on real-time demand patterns and weather conditions, maximizing revenue during peak periods while driving traffic during slow times through dynamic discounts.

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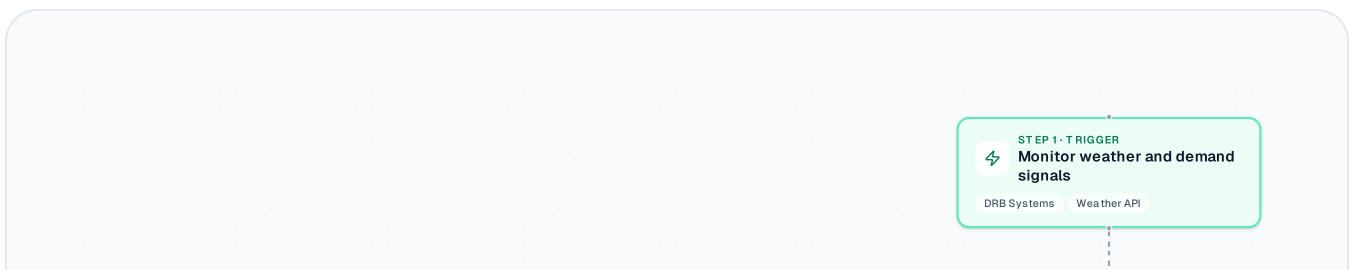


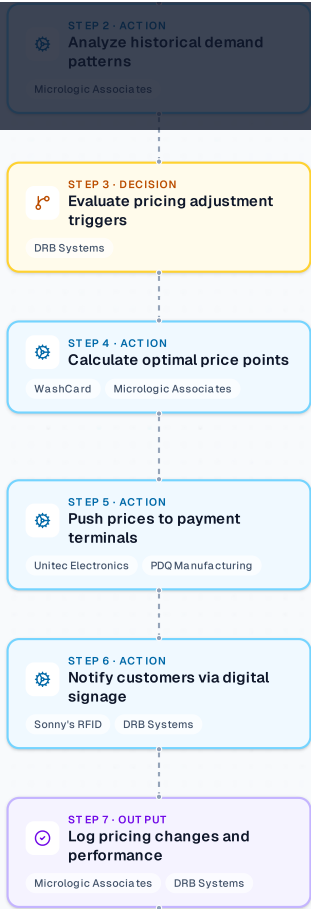
WORKFLOW TRIGGER

Scheduled interval check every 15 minutes or significant weather change detected

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

Monitor weather and demand signals

System polls weather API for current and forecasted conditions while DRB Systems pulls real-time queue lengths and transaction volumes across all locations.

2

 ACTION

Analyze historical demand patterns

Micrologic Associates retrieves historical sales data for similar weather conditions and time slots, calculating expected demand curves for each location.

Micrologic Associates

3

 DECISION

Evaluate pricing adjustment triggers

System determines if conditions warrant price changes: sunny weather with low queue triggers premium pricing, rain forecasts trigger discounts, and high queue volumes activate surge pricing to manage flow.

DRB Systems

4

 ACTION

Calculate optimal price points

Algorithm generates location-specific pricing recommendations balancing revenue optimization with customer retention, applying membership tier protections for WashCard unlimited members.

WashCard

Micrologic Associates

5

 ACTION

Push prices to payment terminals

Unitec Electronics receives new pricing matrix and updates all entry station displays and payment kiosks across affected locations in real-time.

Unitec Electronics

PDQ Manufacturing

6

 ACTION

Notify customers via digital signage

Dynamic pricing messages update on-site LED signs and mobile app notifications alert nearby customers about limited-time pricing specials or premium service availability.

Sonny's RFID

DRB Systems

7

 OUTPUT

Log pricing changes and performance

System records all price adjustments with triggering conditions to the analytics dashboard, enabling continuous optimization of pricing algorithms and compliance reporting.

Micrologic Associates

DRB Systems



Outputs

- Updated pricing displayed at all entry kiosks
- Customer notifications sent via mobile app

AI Business OS



Key Metrics

- Revenue per car increase during dynamic pricing periods
- Customer throughput optimization rate
- Price elasticity response time



Tools & Integrations

- DRB Systems
- Micrologic Associates
- WashCard
- Unitec Electronics
- PDQ Manufacturing
- Sonny's RFID
- Weather API

AI Business OS

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