

Carrier selection and rate comparison

Automatically compares carrier rates and selects optimal shipping options when new shipment orders are created. Reduces shipping costs by 15-25% and accelerates order processing through intelligent carrier selection.

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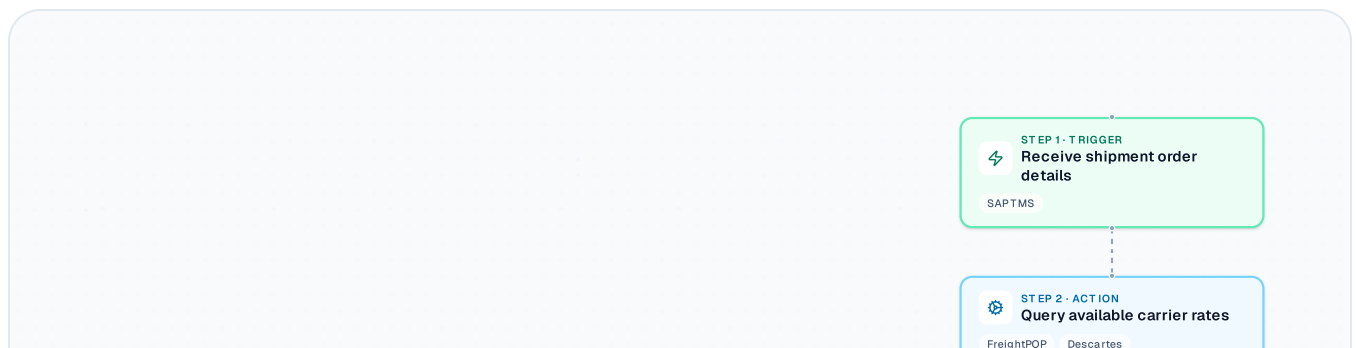


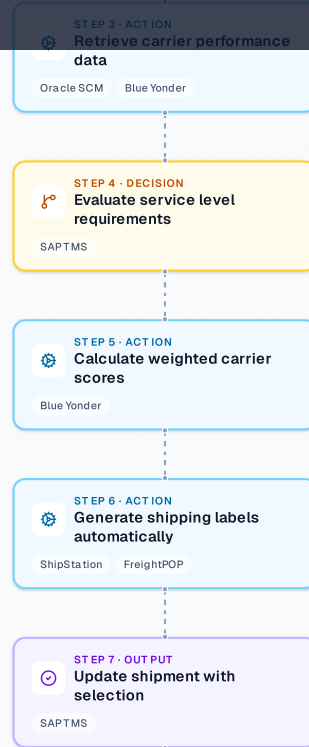
WORKFLOW TRIGGER

New shipment order created in SAP TMS requiring carrier assignment

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

Receive shipment order details

Extract shipment requirements including origin, destination, weight, dimensions, service level, and delivery timeline from the transportation management system.

SAP TMS

2

 ACTION

Query available carrier rates

Send shipment parameters to multiple carriers through rate shopping APIs to collect current pricing and service options.

FreightPOP

Descartes

3

 ACTION

Retrieve carrier performance data

Pull historical on-time delivery rates, damage claims, and service quality scores for each carrier on the specific route.

Oracle SCM

Blue Yonder

4

 DECISION

Evaluate service level requirements

Determine if shipment is standard delivery, expedited, or critical based on customer SLA and inventory urgency. Route to appropriate selection criteria.

SAP TMS

5

Calculate weighted carrier scores

Score each carrier option using cost, transit time, reliability metrics, and service level requirements with predefined business rules.

Blue Yonder

6

ACTION

Generate shipping labels automatically

Create shipping documentation and tracking numbers for the selected carrier through integrated shipping platform.

ShipStation

FreightPOP

7

OUTPUT

Update shipment with selection

Record selected carrier, rate, estimated delivery date, and tracking information in the transportation management system.

SAP TMS



Outputs

- Optimal carrier selection with cost justification

- Generated shipping labels and tracking numbers

AI Business OS

- Updated shipment records with carrier assignment



Key Metrics

- Average shipping cost per shipment
- Carrier selection processing time
- On-time delivery rate



Tools & Integrations

- SAP TMS
- FreightPOP
- Descartes
- Oracle SCM
- Blue Yonder
- ShipStation

AI Business OS

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