

Dock door assignment and scheduling

Automatically assigns incoming trucks to optimal dock doors and schedules arrival times based on cargo type, priority, and warehouse capacity. This reduces truck wait times and maximizes dock utilization efficiency.

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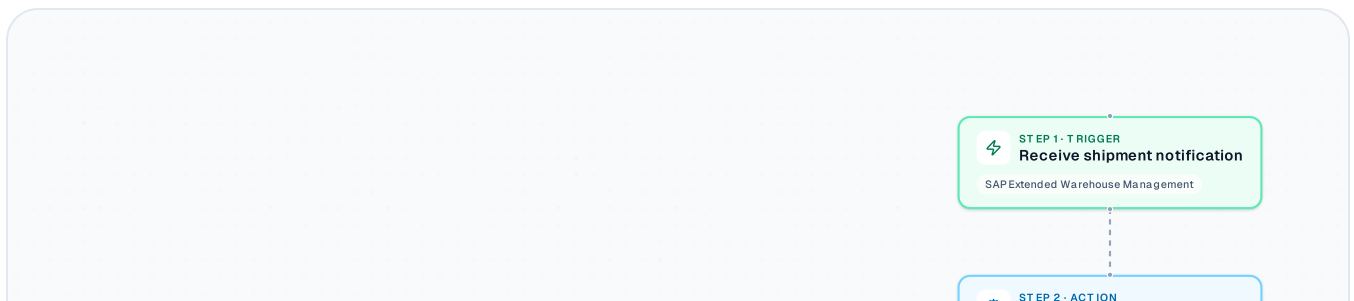


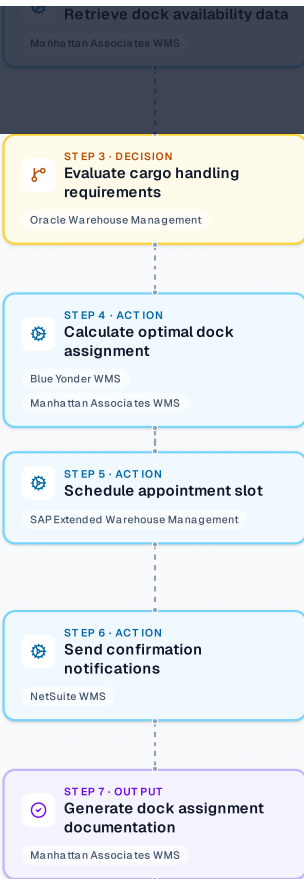
WORKFLOW TRIGGER

Inbound shipment notification received from carrier or transportation management system

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

Receive shipment notification

System receives advance shipping notice with cargo details, carrier information, and estimated arrival time. Notification includes shipment priority, volume, and special handling requirements.

2

 ACTION

Retrieve dock availability data

Query current dock door status, scheduled occupancy, and equipment availability across all receiving bays. System checks dock door specifications and capabilities for cargo compatibility.

Manhattan Associates WMS

3

 DECISION

Evaluate cargo handling requirements

Determine if shipment requires specialized dock equipment, temperature control, or hazmat handling capabilities. Route to appropriate dock type based on cargo specifications.

Oracle Warehouse Management

4

 ACTION

Calculate optimal dock assignment

AI algorithm analyzes dock proximity to storage locations, current workload, and equipment availability to assign most efficient dock door. Considers unloading crew schedules and material handling equipment.

Blue Yonder WMS

Manhattan Associates WMS

5

 ACTION

Schedule appointment slot

Reserve specific time slot based on estimated unloading duration and dock availability. System coordinates with labor scheduling to ensure adequate staffing.

SAP Extended Warehouse Management

6

 ACTION

Send confirmation notifications

Automatically notify carrier, warehouse staff, and receiving team of dock assignment and scheduled arrival time. Include special handling instructions and required equipment details.

NetSuite WMS

7

 OUTPUT

Generate dock assignment documentation

Create dock assignment confirmation with QR codes, arrival instructions, and real-time updates. Documentation includes backup dock options and contact information for changes.

Manhattan Associates WMS



Outputs

- Dock door assignment confirmation

- Scheduled arrival time slot

AI Business OS



Key Metrics

- Average truck wait time
- Dock utilization rate
- On-time arrival percentage



Tools & Integrations

- SAP Extended Warehouse Management
- Manhattan Associates WMS
- Oracle Warehouse Management
- Blue Yonder WMS
- NetSuite WMS

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