

Real-time stock replenishment alerts

This workflow automatically monitors inventory levels across warehouse locations and generates real-time alerts when stock reaches reorder points, triggering immediate replenishment actions to prevent stockouts.

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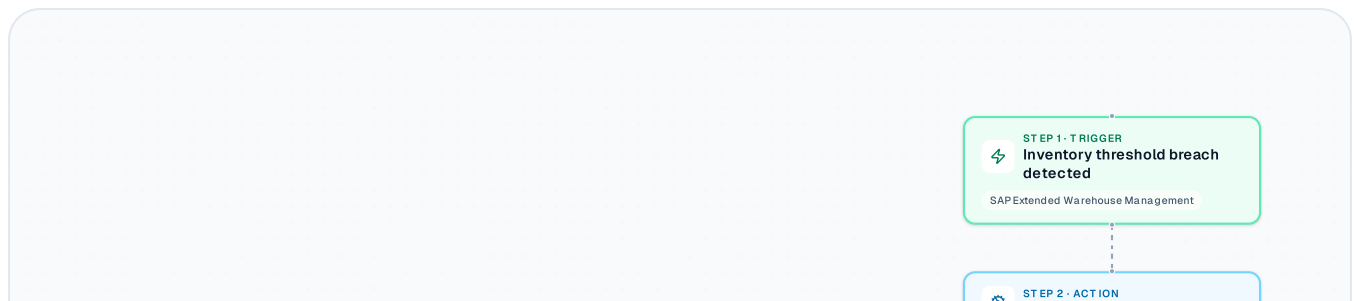
WORKFLOW TRIGGER



Inventory level drops below predefined reorder threshold in warehouse management system

Visual Flow

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



Query current stock levels
SAP Extended Warehouse Management
Oracle Warehouse Management

STEP 3 · DECISION
Evaluate replenishment source options
Manhattan Associates WMS
Blue Yonder WMS

STEP 4 · ACTION
Generate automated replenishment order
NetSuite WMS
SAP Extended Warehouse Management

STEP 5 · ACTION
Update picking route priorities
Manhattan Associates WMS
Blue Yonder WMS

STEP 6 · ACTION
Send stakeholder notifications
NetSuite WMS Fishbowl Inventory

STEP 7 · OUTPUT
Deploy replenishment tracking dashboard
SAP Extended Warehouse Management
Oracle Warehouse Management



Step-by-Step Breakdown

Detailed explanation of each automated stage in the workflow.

1

⚡ TRIGGER

Inventory threshold breach detected

SAP Extended Warehouse Management system detects that a SKU has fallen below its minimum stock level. Real-time inventory tracking sensors send immediate alert signal.

2

 ACTION

Query current stock levels

System retrieves comprehensive stock data including current quantities, reserved inventory, and incoming shipments. Cross-references multiple warehouse locations for availability.

SAP Extended Warehouse Management

Oracle Warehouse Management

3

 DECISION

Evaluate replenishment source options

Algorithm determines optimal replenishment method by checking supplier availability, inter-warehouse transfer options, and lead times. Routes workflow based on fastest fulfillment option.

Manhattan Associates WMS

Blue Yonder WMS

4

 ACTION

Generate automated replenishment order

System creates purchase order or transfer request with optimized quantities based on demand forecasting. Includes priority flagging for critical stock items.

NetSuite WMS

SAP Extended Warehouse Management

5

 ACTION

Update picking route priorities

Warehouse management system adjusts picking sequences to prioritize remaining stock for high-priority orders. Redistributes workforce allocation to critical zones.

Manhattan Associates WMS

Blue Yonder WMS

6

 ACTION

Send stakeholder notifications

Automated alerts sent to warehouse managers, procurement team, and relevant suppliers with replenishment details. Includes estimated delivery timelines and impact assessment.

NetSuite WMS

Fishbowl Inventory

7

 OUTPUT

Deploy replenishment tracking dashboard

Real-time dashboard displays replenishment status, expected arrival times, and temporary stock allocation strategies. Provides visibility until stock levels normalize.

SAP Extended Warehouse Management

Oracle Warehouse Management



Outputs

- Automated purchase orders or transfer requests

AI Business OS

- Updated picking route optimization
- Real-time replenishment tracking dashboard
- Stakeholder notification alerts



Key Metrics

- Stock-out prevention rate
- Replenishment response time
- Inventory turnover ratio



Tools & Integrations

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

AI Business OS

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