

Automated inventory counting and tracking

This workflow automates inventory counting and tracking by performing scheduled cycle counts, detecting discrepancies, and updating inventory records across warehouse management systems. It reduces manual counting errors and maintains real-time inventory accuracy.

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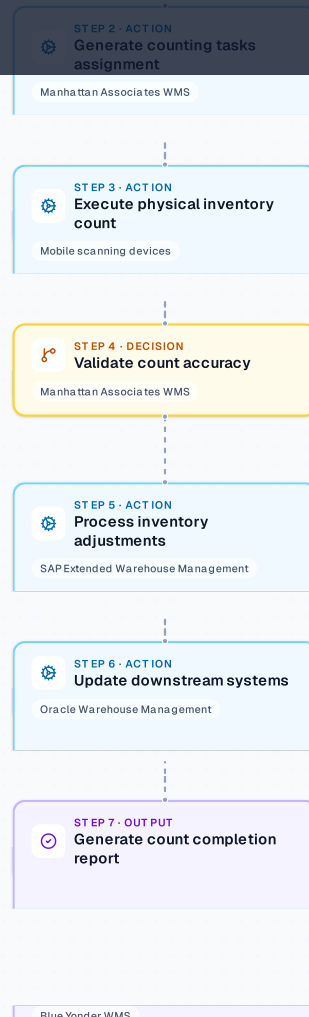
WORKFLOW TRIGGER

Scheduled cycle count is due or inventory threshold variance is detected

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

Initiate cycle count process

System automatically triggers cycle count based on predefined schedule or when inventory variance exceeds acceptable thresholds. Count

Locations and items are identified for processing.

AI Business OS

SAP Extended Warehouse Management

2

 ACTION

Generate counting tasks assignment

System creates counting tasks for warehouse staff with optimized routes and assigns them to available workers. Mobile devices receive task lists with item details and locations.

Manhattan Associates WMS

Mobile scanning devices

3

 ACTION

Execute physical inventory count

Warehouse workers scan barcodes and input actual quantities found at each location. Real-time data is captured and transmitted back to the warehouse management system.

Mobile scanning devices

SAP Extended Warehouse Management

4

 DECISION

Validate count accuracy

System compares physical counts against expected quantities and determines if discrepancies exceed tolerance levels. Minor variances are auto-approved while significant differences trigger review.

Manhattan Associates WMS

5

 ACTION

Process inventory adjustments

Approved discrepancies generate automatic inventory adjustment transactions in the WMS and ERP systems. Stock levels are updated and financial impacts are recorded.

SAP Extended Warehouse Management

NetSuite WMS

6

 ACTION

Update downstream systems

Corrected inventory data is synchronized across all connected systems including order management and financial reporting platforms. Real-time inventory visibility is restored.

Oracle Warehouse Management

NetSuite WMS

7

 OUTPUT

Generate count completion report

System produces comprehensive cycle count reports showing variances, adjustments made, and current inventory accuracy metrics. Reports are distributed to management and stakeholders.

Blue Yonder WMS



Outputs

- Updated inventory records with corrected quantities

- Cycle count completion report with variance analysis

AI Business OS



Key Metrics

- Inventory accuracy percentage
- Cycle count completion time
- Variance resolution rate



Tools & Integrations

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

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