

Automated shipping label generation

Automatically generates and assigns shipping labels when orders are ready for shipment, integrating with carrier systems and warehouse management to ensure accurate delivery information and optimal shipping methods.

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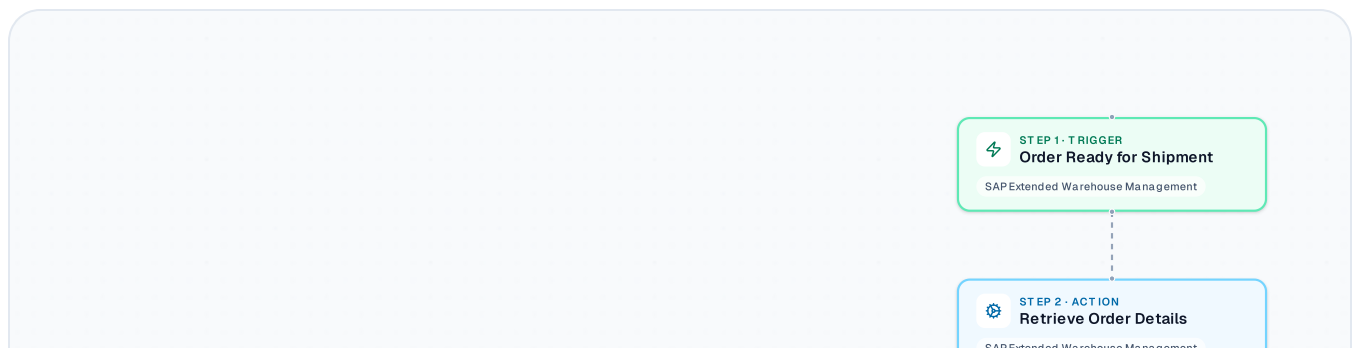


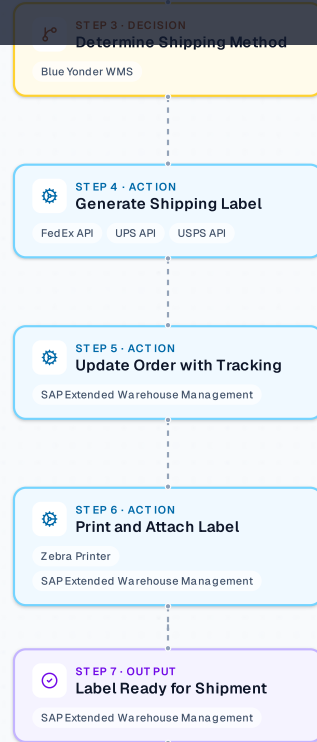
WORKFLOW TRIGGER

Order status changes to 'picked and packed' in the warehouse 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

Order Ready for Shipment

The warehouse management system triggers the workflow when an order's status is updated to 'picked and packed' with all items confirmed. This indicates the order is ready for the shipping label generation process.

SAP Extended Warehouse Management

2

 ACTION

Retrieve Order Details

Extract complete order information including customer shipping address, package dimensions, weight, and item details from the WMS. This data is required for accurate shipping label creation.

SAP Extended Warehouse Management

3

 DECISION

Determine Shipping Method

Analyze package weight, dimensions, destination, and customer shipping preferences to select the optimal carrier and service level. Routes to appropriate carrier API based on the decision.

Blue Yonder WMS

4

 ACTION

Generate Shipping Label

Create the shipping label through the selected carrier's API with all package and destination details. Receives tracking number and label file in return.

5

 ACTION

Update Order with Tracking

Record the tracking number, carrier information, and shipping method back into the warehouse management system. Links the generated label to the specific order record.

SAP Extended Warehouse Management

6

 ACTION

Print and Attach Label

Send the shipping label to the designated warehouse printer for immediate printing. Warehouse staff receives notification to attach the label to the packaged order.

Zebra Printer

SAP Extended Warehouse Management

7

 OUT PUT

Label Ready for Shipment

The order is marked as ready for carrier pickup with the shipping label attached and tracking information recorded. Generates confirmation for warehouse operations dashboard.

SAP Extended Warehouse Management



Outputs

- Printed shipping label with tracking number
- Updated order record with carrier and tracking details
- Shipment ready notification to warehouse staff



Key Metrics

- Label generation time per order
- Shipping method accuracy rate
- Orders shipped per hour



Tools & Integrations

- SAP Extended Warehouse Management
- Blue Yonder WMS
- FedEx API
- UPS API
- USPS API
- Zebra Printer

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