

MOC 80427 A Warehouse Management in Microsoft Dynamics AX 2012

Course Summary

Description

This two-day instructor-led course provides students with the necessary tools and resources to perform basic tasks in the warehouse management flow in Microsoft Dynamics AX 2012.

Objectives

At the end of this course, students will be able to:

- Describe the goals and features of warehouse management by using Microsoft Dynamics AX 2012.
- Set up the system for warehouse management.
- Use the item arrival process to process inventory receipts.
- Create and process pallet transports.
- Use output orders, consolidated picking, and picking routes to process sales order picking.
- Create outbound rules, and deliver picked items.
- Create and process shipments by using the Create Shipment wizard, shipment staging, and shipment templates.
- Create shipment reservation combinations and sequences.
- Create refill pallet transports.
- Describe and use Radio Frequency Identification (RFID) technology for inbound and outbound processing.
- Set up and process quarantine orders.
- Set up and use quality orders, inventory blocking, and non conformances.
- Review the reports and inquiries that are available for warehouse management.

Topics

- Overview
- Setting Up Warehouse Management
- Receipt and Storage
- Item Picking and Shipping
- RFID in Warehouse Management
- Quarantine Management
- Quality Management

Audience

This course is intended for partners and customers that want to learn the basic features and develop a working knowledge of the typical daily procedures required to effectively use Microsoft Dynamics AX 2012 Warehouse Management functionality. The class is also intended for warehouse workers, warehouse managers, shipping and receiving personnel, and other people in organizations responsible for the setup and administration of warehouse management functionality.

Prerequisites

Before attending this course, students must have:

- General knowledge of Microsoft Windows
- Completed the Introduction to Microsoft Dynamics AX 2012 course.
- Completed the Supply Chain Foundation in Microsoft Dynamics AX 2012 course.
- Completed the Distribution and Trade in Microsoft Dynamics AX 2012 course.
- The ability to use Microsoft Dynamics AX 2012 for basic processing,
- Basic knowledge of warehouse management concepts.

Duration

Two days

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Course Outline

I. Overview

This module explains describes the basic warehouse management features that are available in Microsoft Dynamics AX 2012. In addition, terminology and concepts of warehouse management are discussed.

- A. Goals of Warehouse Management
- B. Terminology and Concepts
- C. Workflow in Warehouse Management
- D. Integration with Other Modules
- E. Advanced Warehouse Management

II. Setting Up Warehouse Management

This module explains how to set up warehouse management for use in Microsoft Dynamics AX 2012.

- A. Basic Setup for Inventory and Warehouse Management
- B. Product Setup
- C. Inventory Dimension Groups
- D. Physical Setup of the Inventory
- E. Logical Setup of the Inventory
- F. Pallets and Forklifts

Lab: Complete Product Setup

- Create a new product.
- Add a warehouse item to the product.
- Add a barcode to the product.

Lab: Using Dimensions

- Use the Dimension display form.

Lab: Create Inventory Dimension Groups

- Create a Product Dimension Group
- Create a Storage Dimension Group
- Create a Product Master and assign the dimension groups

Lab: Update Store Areas

- Run the Update Store Area Wizard.

Lab: Set Up Warehouse Management

- Create a production warehouse
- Set up aisles.
- Set up store areas and locations
- Set up store zones
- Set up pallets
- Set up forklifts
- Update location setup
- Create an assembly warehouse
- Use the Location Wizard to create locations

Lab: Set up a Warehouse for Replenishment

- Set up a warehouse for replenishment

III. Receipt and Storage

This module reviews the procedures for item receipt by using the Item arrival journal, as well as registration using the Inventory button in the purchase order line.

- A. Purchase Orders
- B. Arrival Overview and Item Arrival Journal
- C. Pallet Transports
- D. Receipt Registration Requirements

Lab: Create and Receive a Purchase Order.

Lab: Manage Item Arrivals

- Create a purchase order
- View the expected arrivals for today
- Start the product arrival
- Register the receipt of the products
- Generate the product receipt

IV. Item Picking and Shipping

This module explains how to move items from the warehouse to the customers by using advanced functionality of picking and shipping.

- A. Sales Orders
- B. Output Orders
- C. Picking Process
- D. Picking Routes
- E. Deliver Picked Items
- F. Shipment Process
- G. Shipment Staging
- H. Shipment Reservations
- I. Refill Pallet Transports

Lab: Consolidated Picking

- Create two sales orders
- Create a shipment from a shipment template
- Activate the picking and pallet transports
- Pick and deliver the items by using the Picking routes form

Lab: Picking and Shipping Items

- Create a new sales order
- Use output order, shipment, picking routes, and output transports to process the sales order
- Update the packing slip for the sales order.

V. RFID in Warehouse Management

This module explains how Radio Frequency Identification (RFID) can be used in Microsoft Dynamics AX 2012 to process transactions in warehouse management.

- A. RFID Administration
- B. Receiving with RFID
- C. Picking, Packing, and Shipping with RFID

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Course Outline (cont'd)

VI. Quarantine Management

This module explains how Quarantine management works along with Warehouse management.

- A. Set Up Quarantine
- B. Item Receipt
- C. Quarantine Orders

Lab: Set Up and Use Quarantine Management

- Set up products, locations, and warehouse items
- Create a purchase order and process the item arrival
- Process a pallet transport and quarantine order

VII. Quality Management

This module reviews the setup for quality management by using inventory blocking, and the creation and processing of non conformances.

- A. Quality Management Setup Review
- B. Inventory Blocking
- C. Non Conformances

Lab: Set Up Automatic Quality Order Generation

- Create a product
- Set up test instruments
- Set up tests
- Set up test variables
- Set up test groups
- Set up quality order generation
- Create a purchase order

Lab: Block Inventory

- Set up automatic inventory blocking for automatic quality order generation.

Lab: Create and Print Non Conformances

- Create and receive a purchase order
- Enter results for the quality order
- Create a non conformance for the quality order
- Add related operations and time to the non conformance
- Complete the non conformance and correction
- Create and print a certificate of analysis

VIII. Inquiries and Reports

This module reviews some of the reports and inquiries that are available in Microsoft Dynamics AX 2012.

- A. Inquiries
- B. Reports

Lab: Use Warehouse Management

- Create a picking location for a product
- Create picking locations and warehouse items
- Create a purchase order and generate the product receipt
- Create and process the item arrival journal
- Process the pallet transport
- Create and process the quarantine order
- Post the item arrival and start the pallet transport
- Create the sales order and output order
- Create the shipment
- Finalize the shipment and print documents