Oracle Warehouse Management Automation Cloud

Oracle Warehouse Management Automation Cloud Service introduces an effective way to connect your Oracle Warehouse Management Enterprise Edition Cloud Service (Oracle WMS Cloud) with the Warehouse Control Systems (WCS) of your automated facilities. The solution is dynamic and easily configurable for rapid implementation that evolves with your business.

TOMORROW'S WAREHOUSE MANAGEMENT, TODAY

Today's modern warehouse leverages a variety of technologies to serve customers better. Automation systems are a prevalent technology used to improve efficiency and serve customers faster. There are various types of Material Handling Equipment (MHE) such as conveyors, carton sorters, tilt tray sorters, pick and put to light systems, and automated storage and retrieval systems. The Oracle Warehouse Management Automation Cloud Service provides a series of APIs to achieve communication between your WCS and the Oracle WMS Cloud operations that work around it. Easy configuration through the browser User Interface (UI) allows you to identify the types of automation systems and the messages that need to be communicated with these systems.

Figure 1. Support complete warehouse execution systems

Key Business Benefits

- Increase scalability of warehouse operations
- Meet fulfillment needs during demand spikes
- Broaden automation options
- Increased productivity
- Reduce operation costs
- Reduce fulfillment costs

Common Material Handling Equipment Types

- Carousels
- Carton Sorters
- Conveyors
- Pick-to-Light
- Put-to-Light
- Put-to-Wall
- Shuttle Pick
- Tilt-Tray Sorters
- Automated Storage and Retrieval Systems
- A-Frames

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Oracle Warehouse Management Automation Cloud supports the following key warehousing business functions:
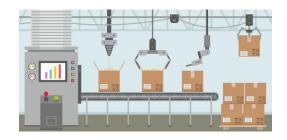
MHE System Configuration – Flexibility to configure and set up the MHE System you use by facility.

MHE Message Configuration – Configure and set up the messages for the MHE systems.

MHE Routing Instructions – For sortation systems, define routing instructions for lanes, such as quality, exceptions, weight variance, and consolidation locations.

MHE Pick Confirmation – Messages confirming picked quantities from picking application such as Pick-to-Lights.

MHE APIs – Complete set of integration APIs for real time communication to the MHE Systems' Warehouse Control System (WCS).

Related Products

Oracle Warehouse Management Automation Cloud is a key component of Oracle's Supply Chain Management Cloud solutions that work together to provide Oracle customers with a broad array of capabilities:

- Oracle Warehouse Management Enterprise Edition Cloud
- Oracle Warehouse Workforce Management Cloud
- Oracle Order Management Cloud
- Oracle Inventory Management Cloud
- Oracle Transportation Management Cloud

MODERN, FLEXIBLE, STANDARDS-BASED ARCHITECTURE

Oracle Warehouse Management Enterprise Edition Cloud is built on a modern, web-based architecture that provides maximum flexibility and the lowest total cost of ownership. The functionality is accessible via standard, intuitive web browsers that enable companies to deploy across global organizations with minimal effort, training costs and fully supports service-oriented architecture (SOA) for maximum business process flexibility.

The application is highly flexible and utilizes open standards (known as REST APIs) that make it easy to integrate Oracle WMS Cloud with other systems or build extensions to Oracle WMS Cloud effortlessly and with minimal development skills.

Oracle WMS Cloud uses standard web services to integrate to MHE Warehouse Control Systems. The MHE functionality is driven by the information provided to Oracle WMS Cloud via the standard web services.

The solution has a flexible architecture that enables companies to start small and expand as necessary to support growth in users, transaction volume and business processes while maintaining high performance service levels.

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