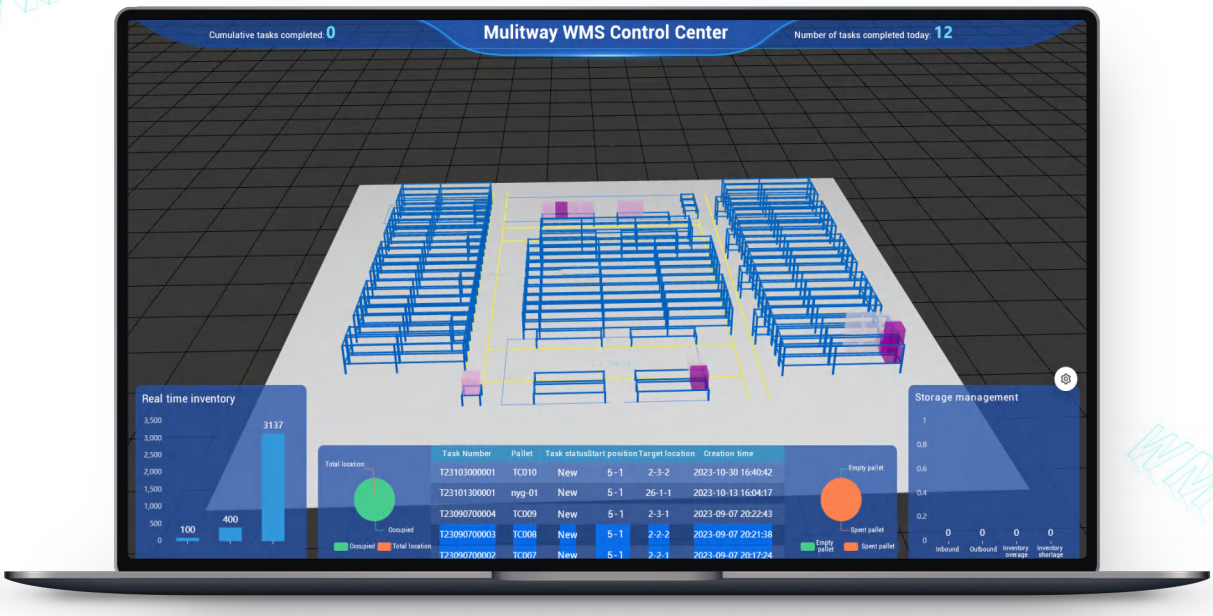
Multiway Robotics

www.mw-r.com

Multiway

Warehouse Management System-WMS



System Introduction

Multiway Warehouse Management System can realize inventory data management, operation management, warehouse location management, warehouse equipment health monitoring and intelligent report management, break the black box status of inventory assets, and grasp inventory and costs occupy.

Improved Inventory Accuracy

Facilitate comprehensive intelligent management of goods access by automatically and accurately assigning locations to different materials, employing diverse strategies and distribution algorithms. This effectively mitigates the occurrence of manual errors.

Smooth Workflow

Enable you to have real-time control over inventory, enabling swift, accurate, and efficient inbound and outbound processes to improve work efficiency and accuracy.

Traceable Material Information

Automatically collect material information, support batch, and categorized management, and effectively maintain corporate inventory in a well-organized manner.

Maximized Space Utilization

Provide accurate location determination and management, strategically plan routes, and maximize the warehouse's limited space utilization.

Reduced Employee Workloads

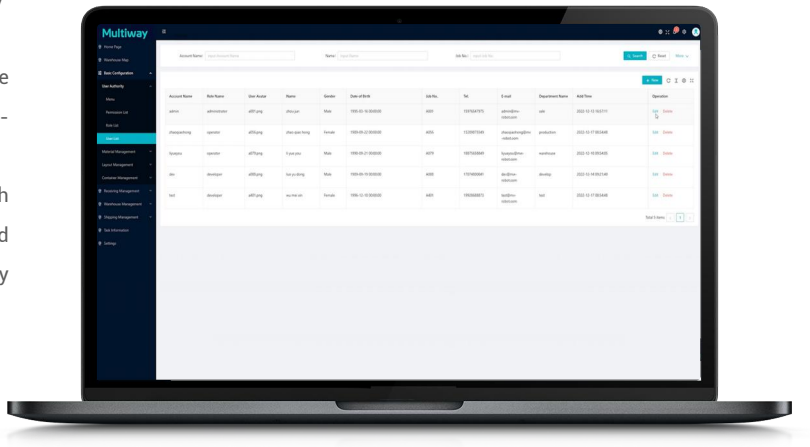
Facilitate synchronization between physical inventory and accounting records, integrate with the corporate intranet, mitigate manual errors in financial statements, and achieve synchronization of enterprise system information through system integration.

Convenient Operation

Allow you to simultaneously perform operations from multiple terminals such as tablets, PDAs, and PCs. Enable you to manage warehouse information efficiently and view precise warehouse dynamics in real time. Improve the level of informatization and automation of warehouse management.

MW-WMS Lite

- Functions: Display warehouse location occupancy states.
- Support user management, basic settings, vehicle management, inventory management, task management, statistical analysis, and external interfaces.
- Support connection with automation systems such as WCS and DMS through standard interfaces and support inbound location allocation strategy configuration.



System Functions

Visual Diagram of Locations

2D Visual View of Locations

Basic Information Management

User Management

Role Management

Warehouse Management

Area Management

Manufacturer Management

Location Management

Product/Material Type Management

Product/Material Managemen

Inventory Management

Goods Binding

Inventory Query

Manual Inventory Transfer

Material Display

Support for Standard Location QR Codes

Support for Standard Material QR Codes

Task Management

Task Monitoring

Task Issuance

Manual Task Completion/Cancellation

AGV

AGV Information Viewing

Others

Terminal Operations

Data Statistics Export

Data Statistics

Data Export

Standard APIs

MW Web APIs

MW-WMS Standard Version

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Visual Diagram of Locations

2D Visual View of Locations

Diagram Display

Statistical Diagrams

Alarm Monitoring

Alarm Monitoring

Container Management

Container Type Management

Container Archive Management

Basic Information Management

User Permissions—User Management

User Permissions—Role Management

User Permissions—Permission Management

User Permissions—Menu Management

Layout—Warehouse Management

Layout—Area Management

Layout—Laneway Management

Layout—Location Type Management

Layout—Location Management

Layout—Workbench Management

Layout—Route Management

Material Management

Material Type Management

Material Model Management

Customer/Supplier Management

Material Packaging Management

Material Information Management

Material Archive Management

Task Management

Task Monitoring

Task Priority Adjustment

Manual Task Completion/Cancellation

Task Posting

Inventory Management

Inventory Query

Manual Inventory Transfer

Location Alarms

Receiving

Receipt Management

Goods Receiving and Packing

Shipping

Return Receipt Management

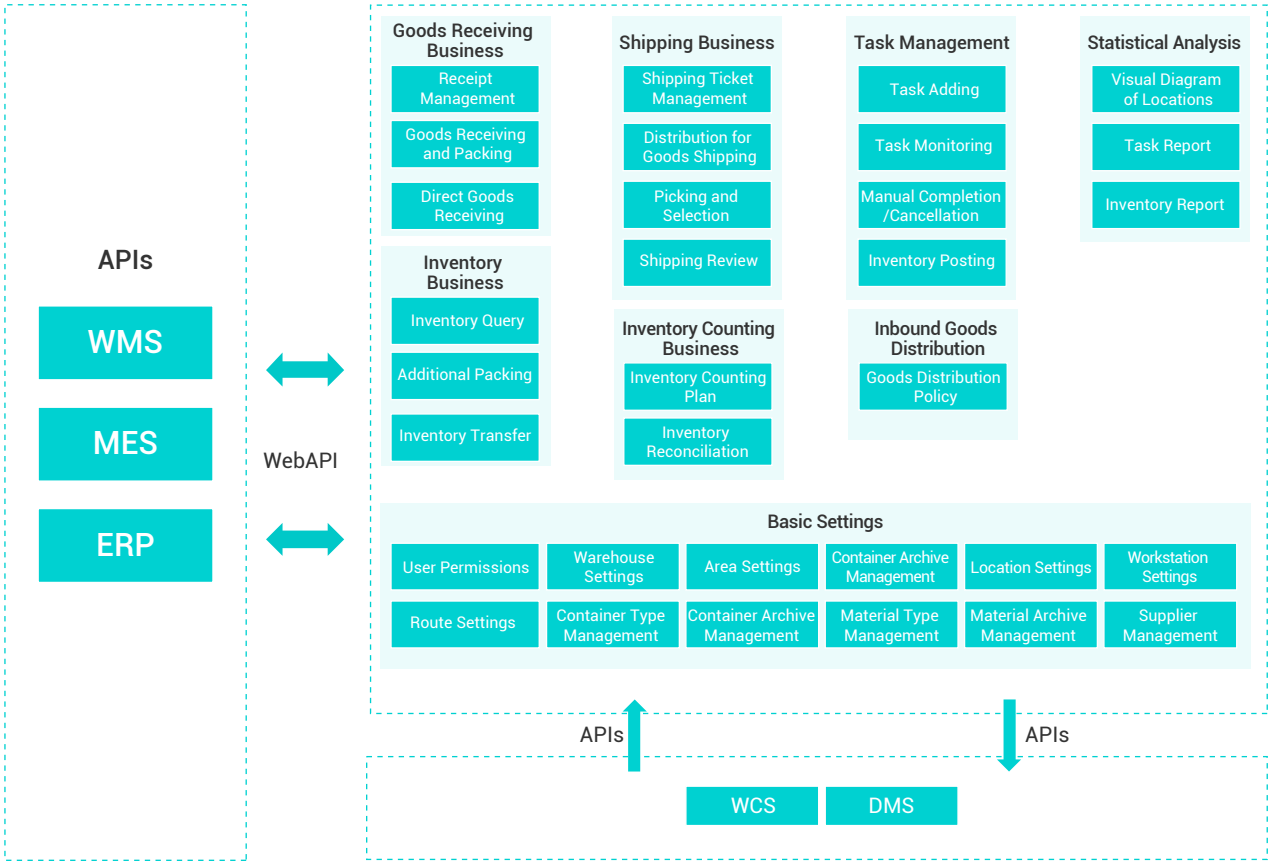
Shipping Requirement Management

Picking and Selection

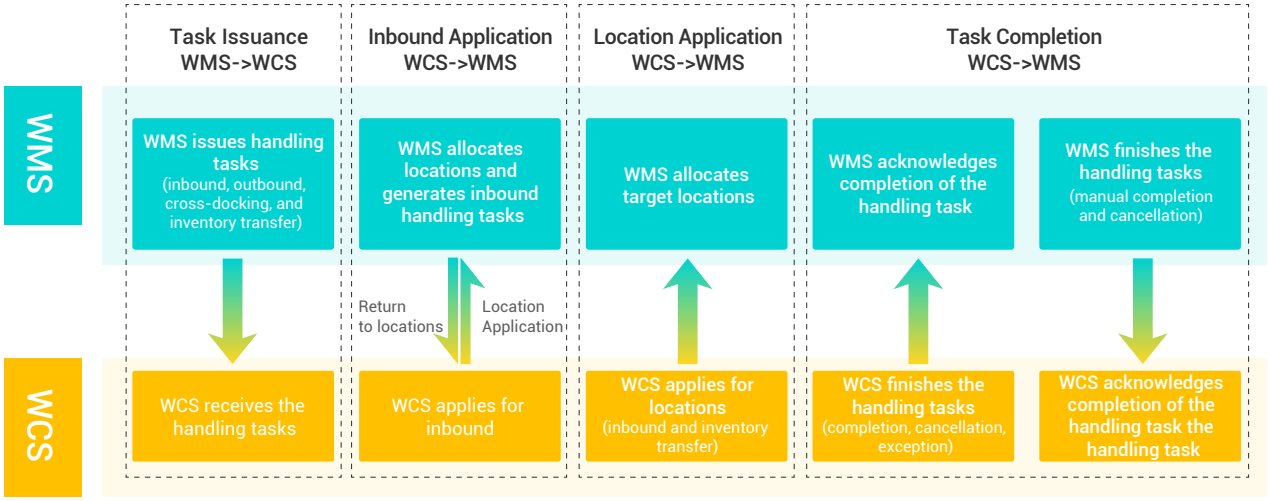
Standard APIs

MW Web APIs

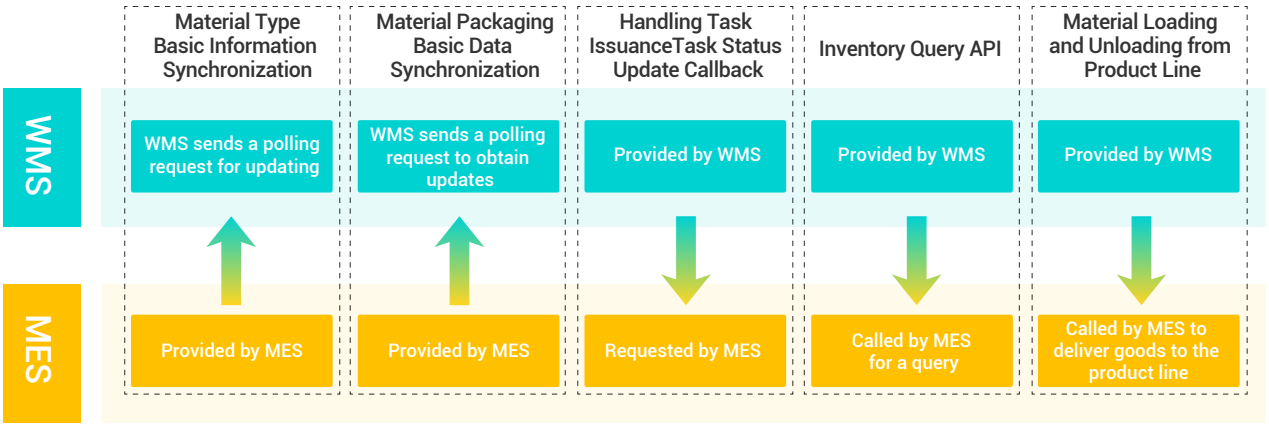
Overall Function Architecture



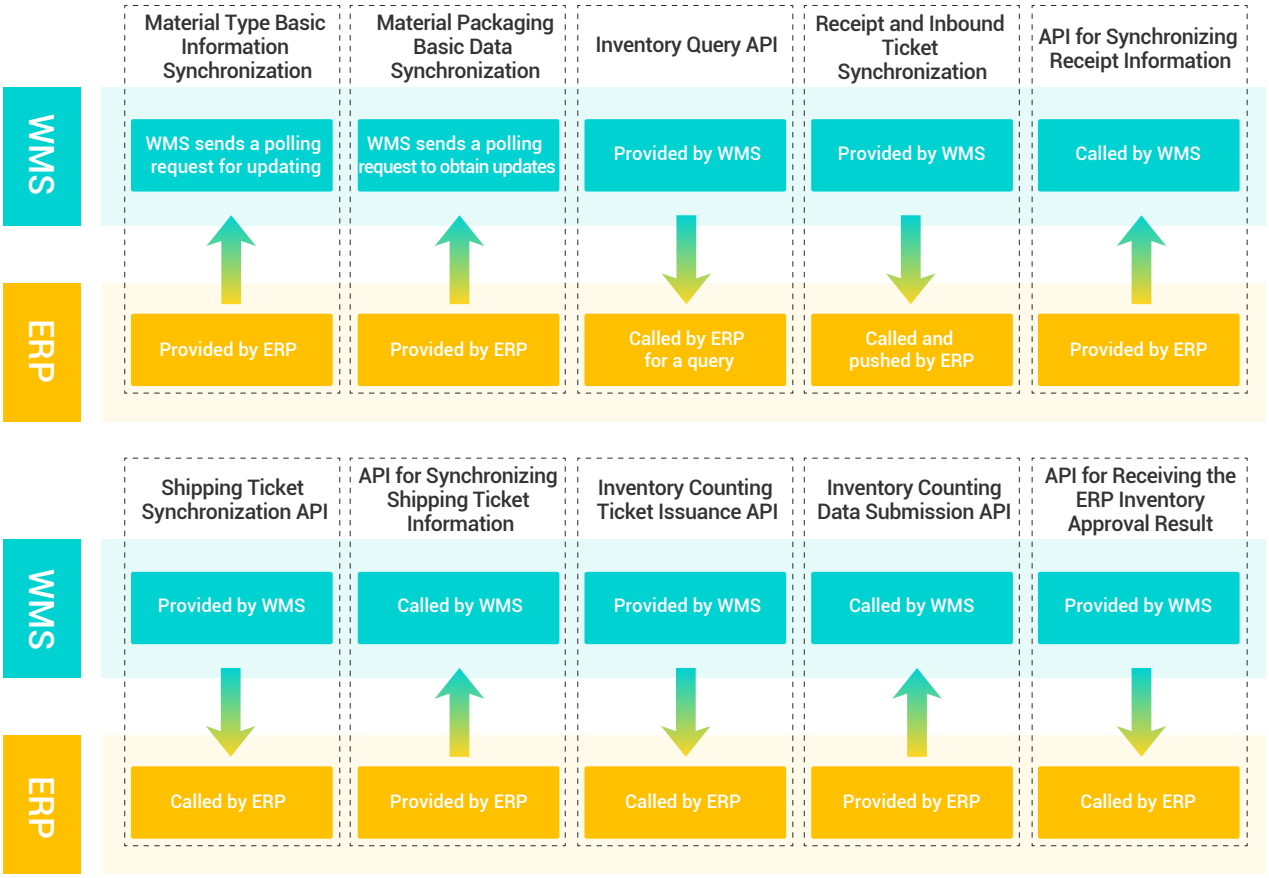
Integration Between WCS and WMS (Web APIs)



Integration Between MES and WMS (Web APIs)



Integration Between ERP and WMS (Web APIs)



Multiway Robotics

Multiway Robotics, a leading intelligent intralogistics solution provider, with the mission of "Establish a new and efficient employment mode", is dedicated to drive continuous upgrades in social productive forces.

Global headquarter and laboratory are located in Shenzhen, China, with production facilities in Hefei. Multiway has also established sub sidiaries in the United States, Germany, Japan, South Korea, and more, extending business, operations, and services to 30+ countries and regions worldwide.Focusing on advanced robotics and AI technology, Multiway Robotics is committed to delivering cutting-edge intelligent manufacturing and smart logistics solutions to our customers. Multiway offers a comprehensive, integrated innovation delivery platform and solutions, ranging from core sensors and algorithms to self-developed unmanned forklifts and upper-level control systems. Hardware products include a full range of unmanned forklifts and four-way shuttle, while software systems encompass Multiway Cloud, WMS, RCS, WCS, on-site management systems, and various visual solutions.

After successfully delivering numerous benchmark projects in industries such as factories, warehousing, and logistics, Multiway has become a trusted and ongoing collaborative partner for many industry-leading customers.

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