Warehouse Capacity

Module Guide: Warehouse Capacity

Module Location

Settings > Warehouse > Warehouse Capacity

Module Purpose

The **Warehouse Capacity** module serves as the **master data** for defining all physical and virtual storage locations owned by the company. This module not only records addresses but also defines the hierarchy, type, physical dimensions (length, width, height), and specific function of each warehouse or storage location. This data is the foundation for all inventory management and logistics operations.?

1. Main View (Warehouse Hierarchy)

The main page displays the hierarchical structure of all registered warehouse types and locations, typically in a tree format.

View Explanation

- **Tree Structure**: Shows the relationship between warehouse types (categories) and the specific warehouse locations under them. Example: The `SUBWH` type (likely Raw Material Warehouse) has the `UPL` location (possibly a shared office) under it.

- **Return Own Document**: An option or function related to the internal document flow of the warehouse.

- **Action Buttons**:
  - **Add Warehouse Type**: Opens the form to create a new warehouse category.
  - **Add Warehouse Location**: Opens the form to register a new physical warehouse location.

2. Add Warehouse Location Page

This is a comprehensive form for registering and describing a new storage location.

View Explanation

- **General Information**:
  - **Warehouse Type Name**: Selects the category of this warehouse.
  - **Parent Warehouse**: Defines the hierarchy, for example, if this is a rack within a larger warehouse.
  - **Warehouse Code & Address**: The unique code and physical address of the warehouse location.
- **Dimensions & Capacity**:
  - **Width, Length, Height**: Fields to enter the physical dimensions of the warehouse in meters.
  - **Total**: An automatic calculation of the warehouse volume in cubic meters (m^3).

- **Dimension Capacity**: The target capacity utilization percentage.

- **Additional Info (Specific Functions)**:
  - A series of checkboxes that define the warehouse's role, such as :?
    - **Is it a damaged goods warehouse?**: For quarantining damaged goods.
    - **Is it a Production Virtual warehouse?**: For a virtual location representing a production area.
    - **Is it for Subcontracting?**: For a warehouse managed by a third party/subcontractor.
    - **Is it an Outlet?**: For a location that functions as a retail store.

3. Add Warehouse Type Page

A simple form for creating warehouse categories or types.

View Explanation

- **Warehouse Type Name**: The name of the category (e.g., Raw Material Warehouse, Finished Goods Warehouse, Transit Warehouse).
- **Warehouse Type Category**: A short code or abbreviation for the type.

4. Steps for Use

- **Create Type First**: Before registering a location, create its Warehouse Type. Click **Add Warehouse Type**, fill in the name and category, then save.
- **Add New Location**: Return to the main page, click **Add Warehouse Location**.
- **Fill in Details**: Select the **Warehouse Type Name**, fill in the code, address, and physical dimensions.
- **Define Function**: Check the boxes in "Additional Info" that correspond to the warehouse's specific function.
- Click **Submit** to save.

5. Integrated Workflow & Business Process

- **Foundation for Inventory Management**: Every item in the system must be assigned to a warehouse location. Without this warehouse master, the system does not know where goods are stored.?
- **Space Optimization**: By knowing the capacity (volume) of each warehouse and the volume of each item, an advanced system can provide put-away recommendations and prevent a warehouse from becoming overfilled.?
- **Transaction Logic**: The specific functions checked here will influence business logic. For example:

- Goods can only be sold from a warehouse marked as **Is it an Outlet?**.
- When the production process is complete, finished goods will be automatically received in the **Production Virtual Warehouse** before being moved to a physical warehouse.
- Goods returned by customers due to damage will be directed to the **Damaged Goods Warehouse**.

6. Tips & Important Notes

- Accurate measurement of warehouse dimensions is key to effective capacity management.
- Think carefully about all possible warehouse functions in your company and ensure you check the correct options. A configuration error here can disrupt the receiving and shipping flow of goods.
- The management of this module should be handled by the head of the warehouse or a logistics manager who understands the layout and operational function of each storage location.

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