

Types of Zones & Zone Setup

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Types of Zones

Zone is a logical or physical grouping of locations within a warehouse. Zones are the divisions in which any warehouse is divided for the Stock keeping based on various attributes for one or multiple locations. Zone enables defining the constraints for put away and picking of SKUs in the warehouse. Inventory Move, Stock Adjustment, Stock Take, Inbound and Returns take place with respect to the Zone.

Each warehouse has its own setup of zones basis the SKU requirements, storage capacity, inventory type, warehouse processing workflow, stock limits etc.

In eRetail, we classify the zones basis

- **Normal Zones** – The zones where normal process workflow takes place like receiving zone, staging zone etc.
- **Sortation Zones** – A zone where SKUs are sorted order wise and customer-wise after picking e.g. Sortation zone
- **Physical Zones** – The zones where normal process workflow takes place like Saleable zone, Returned zone etc.
- **Virtual Zones** – These may or may not be physical zones, but they are created in the setup to perform certain actions in the warehouse that includes checking, sorting, or assembling like Kitting zone, Let down zone etc.

This nomenclature of zones is not fixed. The zone classification can be customized to perform several functions basis a warehouse setup. e.g., Let down zone can be both a physical/virtual zone basis whether the “Bin replenishment” or “Let down” process happens at a location or on the system virtually.

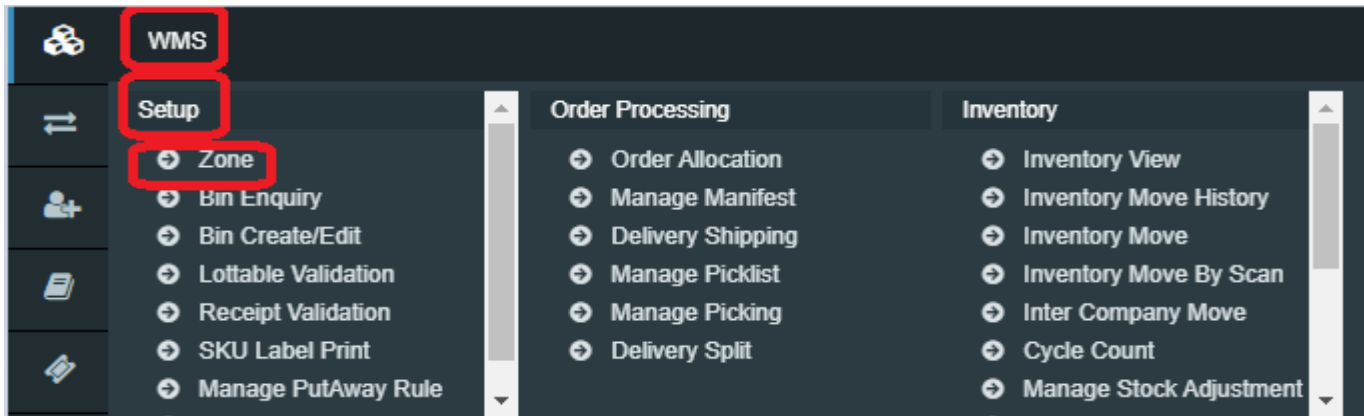
In the below table, we have identified some common zones across the warehouses. The warehouse can have more zones OR the warehouse can have less zones basis the Warehouse storage, Warehouse functioning and Warehouse Setup.

Zone Name	Description
Saleable Zone	A zone that has SKUs/Articles authorized for sale to the final customers.
Staging Zone	A zone where the SKUs/Articles are pulled from inventory to fulfil an order.
Receiving Zone	A zone where the SKUs/Articles or Case packs are received.
Damaged Zone	A zone where the damaged SKUs/Articles are kept.
Returned Zone	A zone where the returned SKUs/Articles are kept.
QC Zone	A zone where the SKUs/Articles Quality check is done.
Packing Zone	A zone where SKU/Articles are packed before it is ready to be shipped.
Kitting zone	A zone where SKUs/Articles kitting is done as per the order.
Let Down Zone	A zone where the inventory is picked and kept before it is moved to its respective zone.
Storage Zone	A zone where the bulk reserve is stored for Articles/SKUs as per the requirement.

Irrespective of the kind of zones in the warehouse, the flow of the process defines the function of the zones/bins. Because each bin is allocated to a zone/area to perform certain functions. The user can define those functions in eRetail itself while creating Zones or bins.

How to do Zone Setup in eRetail?

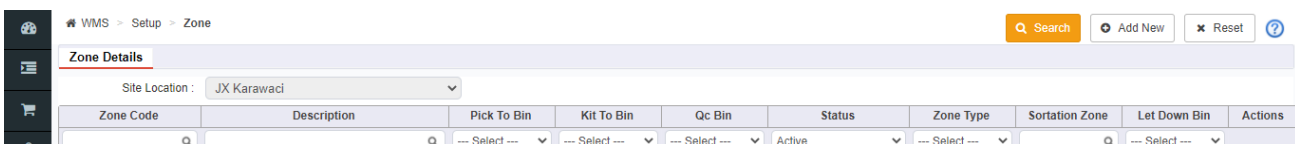
Navigation: WMS>Setup>Zone



In WMS, the WMS setup is the initial configuration process where all the warehouse management setup steps are performed basis which the transactions will take place.

User can create and configure Zones

- for the Stock keeping based on various attributes for one or multiple locations.
- for defining the constraints for put away and picking of SKUs in the warehouse.
- For Inventory Move, Stock Adjustment, Stock Take, Inbound and Returns take place with respect to the Zone.



In ZONE DETAIL section, below are the fields based on which the ZONES can be searched:

Fields	Field Description
Zone Code	Zone code is the User defined name/code given to the zone. This is a mandatory field while creating a zone.
Description	User can describe the zone by providing the description here.
Pick to Bin	User will choose the bin from here in which the product will get picked and allotted for the Zone.
Kit to Bin	User will choose the bin from here in which the product will get picked for kitting for the zone
QC Bin	QC bin refers to the quality check bin which will be chosen from here by the user for the zone.
Status	User can mark the Zone while creation as Active or Inactive. Inactive Zones cannot be used for the inbounds and further process.
Zone Type	User will have to choose the zone type from the drop down whether the zone user is creating is a normal zone or a sortation zone.
Sortation Zone	A sortation zone is the Zone where SKUs are sorted order wise and customer-wise after picking.
Let down Bin	Let down bin refers the auto replenishment bin which will be chosen from here by the user for the zone
Actions (Edit/Audit icons)	User can choose to Edit and Audit the Zones from the Action section.

Action Buttons

- **Search:** Clicking on the search button without entering any filter criterion will populate the list of all the ZONES based on default filter setting. User can further narrow down the search by using filter options to get any specific information.

- **Reset:** Reset button will refresh the filter fields to default settings, i.e., to an initial state to start fresh search.
- **Add New:** To add a new Zone to the database.

Some frequently asked questions on Zone setup are mentioned below.

How to create a new Zone?

To add a new zone to the database, user can click to the action button “Add New” and update the field details as per the description mentioned above. A snapshot of a Zone is provided below for the reference:

Zone Create/Edit

Zone Code* : Test_9

Zone Description : Testing zone

Pick to Bin : Pickto

KIT To Loc : --- Select ---

Is Active : ☒

Let Down Bin : letdown

QC Bin : QCBin

Pick Order Types :

Zone Type : Normal

Sortation Zone :

Save Close

How to edit a zone?

User can edit a zone by clicking on the “edit” icon available on the right most corner of Zone. details.

WMS > Setup > Zone

Search Add New Reset

Zone Details

Site Location : JX Karawaci

Zone Code	Description	Pick To Bin	Kit To Bin	Qc Bin	Status	Zone Type	Sortation Zone	Let Down Bin	Actions
DHEE4				QCBin	Active	Normal			
Test_9	Testing zone	Pickto		QCBin	Active	Normal		letdown	

Actions

How can I know who has created/modified a zone?

User can click on the “Audit” icon available on the right most corner of Zone. details.

WMS > Setup > Zone

Search Add New Reset

Zone Details

Site Location : JX Karawaci

Zone Code	Description	Pick To Bin	Kit To Bin	Qc Bin	Status	Zone Type	Sortation Zone	Let Down Bin	Actions
DHEE4				QCBin	Active	Normal			
Test_9	Testing zone	Pickto		QCBin	Active	Normal		letdown	

Once you click on the “Audit” icon, it will give you details of the user who created and last modified details along with the date & time stamp.

Audit

Actions



Created By **super admin**
Created Date **27/05/2021 12:18 PM**
Modified By **super admin**
Modified Date **27/05/2021 12:18 PM**