



# Location Dimension Assignment Setup

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For Microsoft Dynamics 365 Business Central

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# 1. Introduction

Location Dimension Assignment gives you the ability to assign a dimension value to a Location Card in order to auto set the assigned dimension value to future location-based transactions. This saves you the redundant and error prone process of having to manually assign a dimension value that represents a location even after already having entered the location on the transaction.

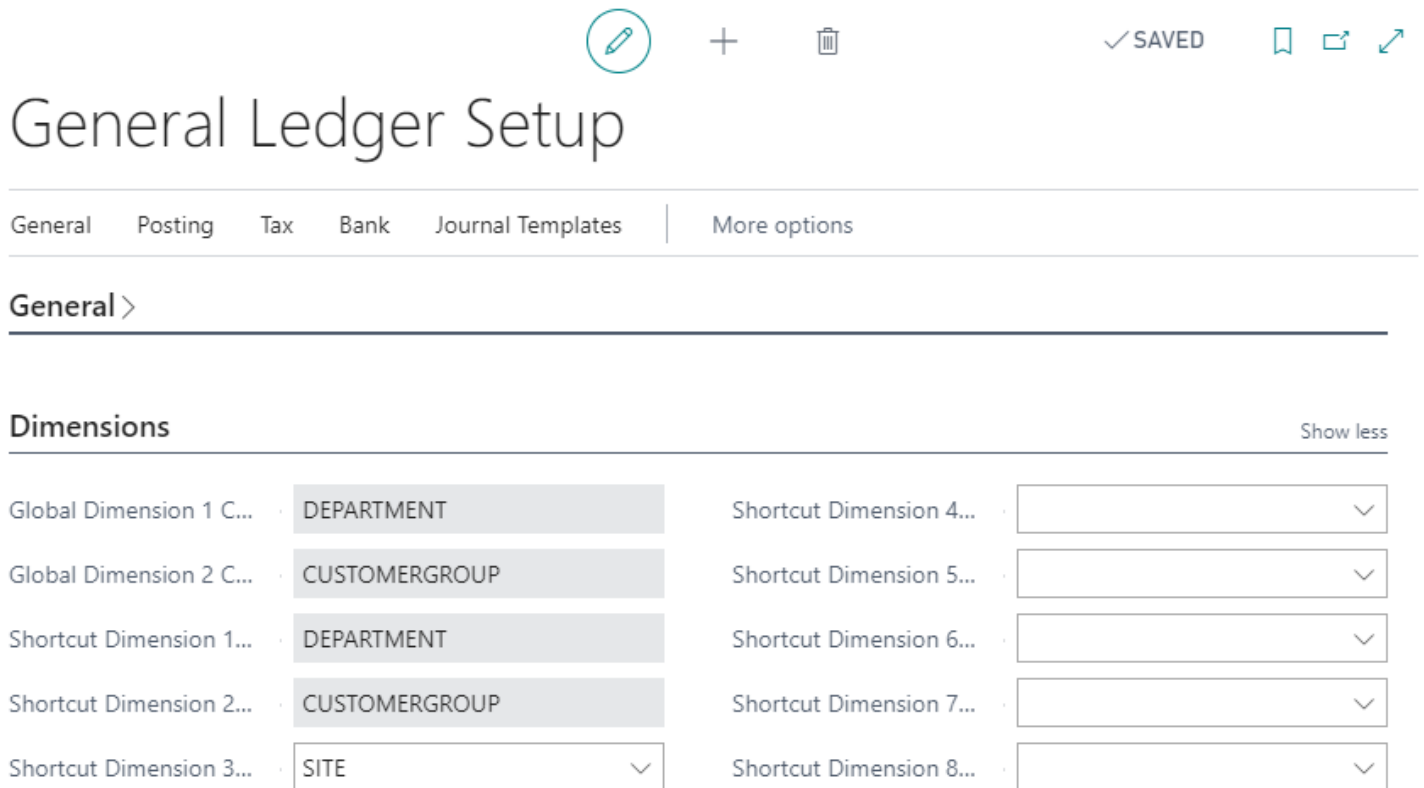
Many companies desire to report on revenue and expenses by location and this app assists with automatically setting the dimension values needed to do so. This leads to more accurate and reliable financial reports as well as less time spent on reconciliation and corrections.

## FEATURES

- Assign a default dimension value to a location card
- Avoid error prone manual assignment of dimension values
- Improve productivity simplifying data entry

# 2. Prerequisites

A dimension must be **assigned** as a **Global or Shortcut Dimension** in the **General Ledger Setup** page in order for it to be compatible with the app. Therefore, only the eight dimensions in the General Ledger Setup page are supported for use with the app. This guide will use the Site dimension as an example, and it has been assigned to Shortcut Dimension 3.




The screenshot shows the 'General Ledger Setup' page with a navigation bar containing 'General', 'Posting', 'Tax', 'Bank', 'Journal Templates', and 'More options'. The 'General' tab is selected. Below the navigation bar, the 'Dimensions' section is visible, listing eight dimensions with their assigned values. The 'SITE' dimension is assigned to 'Shortcut Dimension 3...'. The page includes icons for edit, add, and delete, along with a 'SAVED' status indicator and other utility icons.

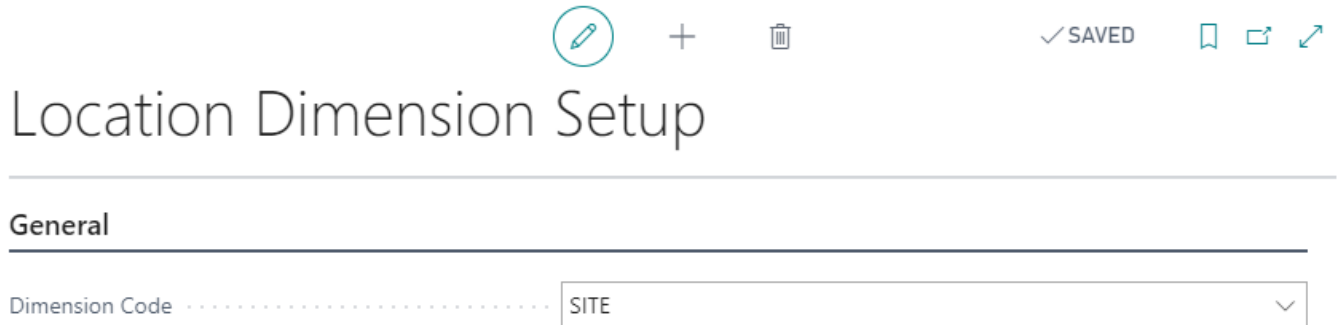
Dimension Name	Assigned Value
Global Dimension 1 C...	DEPARTMENT
Global Dimension 2 C...	CUSTOMERGROUP
Shortcut Dimension 1...	DEPARTMENT
Shortcut Dimension 2...	CUSTOMERGROUP
Shortcut Dimension 3...	SITE
Shortcut Dimension 4...	
Shortcut Dimension 5...	
Shortcut Dimension 6...	
Shortcut Dimension 7...	
Shortcut Dimension 8...	



### 3. Location Dimension Assignment Setup

When the Location Dimension Assignment app is **installed**, it **creates** two permission sets. If you are not assigned the SUPER permission set, then you **must** be assigned the **LOCDIMSETUP** permission set in order to complete the steps in this section. **All** other full end users (i.e. licensed as Essential or Premium users) **must** be assigned the **LOCDIMUSER** permission set in order to **use** the app and **not interfere** with standard Business Central functionality. To setup the app, **perform** the following:

1. Click the **Search**  and enter “**Location Dimension Setup**”.
2. Select the **Location Dimension Setup** page. The Location Dimension Setup page will appear.
3. Select the **Dimension Code** that you would like **associated** to the Location Cards.



4. By default, all transaction types are selected. **Deselect** any transaction types where you do not want the dimension value to auto populate when entering a Location Code on the transaction. **Close** the **Location Dimension Setup** page when complete.

#### Transactions

Item Journal	<input checked="" type="checkbox"/>	Sales Credit Memo	<input checked="" type="checkbox"/>
Item Reclass Journal	<input checked="" type="checkbox"/>	Sales Blanket Order	<input checked="" type="checkbox"/>
Physical Inventory Jou...	<input checked="" type="checkbox"/>	Sales Quote	<input checked="" type="checkbox"/>
Revaluation Journal	<input checked="" type="checkbox"/>	Purchase Order	<input checked="" type="checkbox"/>
Assembly Order	<input checked="" type="checkbox"/>	Purchase Return Order	<input checked="" type="checkbox"/>
Assembly Blanket Ord...	<input checked="" type="checkbox"/>	Purchase Invoice	<input checked="" type="checkbox"/>
Assembly Quote	<input checked="" type="checkbox"/>	Purchase Credit Memo	<input checked="" type="checkbox"/>
Sales Order	<input checked="" type="checkbox"/>	Purchase Blanket Order	<input checked="" type="checkbox"/>
Sales Return Order	<input checked="" type="checkbox"/>	Purchase Quote	<input checked="" type="checkbox"/>
Sales Invoice	<input checked="" type="checkbox"/>		



5. **Open a Location Card** where you would like to assign a dimension value. In this example, I opened the EAST location.
6. You will notice a **new** field in the **General** section of the **Location Card** named **Dimension Value Code**. When you **click** the dropdown list you will see that the list of available dimension values corresponds to the Dimension Code you selected in step 3.

LOCATION CARD ✓ SAVED

## EAST · East Warehouse

Process | Location | More options

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### General

Code ..... EAST Exclude from Tax Calc...

Name ..... East Warehouse Tax Area Code .....

Dimension Value Code .....  Tax Exemption No. ....

Use As In-Transit .....

	Code	Name
→	EAST	East
	MAIN	Main
	WEST	West
+ New		<a href="#">Select from full list</a>

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### Address & Contact

ADDRESS

Address .....

7. Select the **Dimension Value Code** that you would like to **assign** to the Location Card.
8. **Perform** steps 5-7 for all locations where you desire to assign a dimension value.

## 4. Usage Example - Journal

The steps below provide an example of how this app works with a Journal transaction. I will be using the Item Journal to demonstrate.

1. **Open** the **Item Journals** page.
2. **Enter** an Item Journal line. Make sure to **select a Location Code** as this is what triggers the automatic setting of the dimension value. In the example below, I entered a positive adjustment for item 1896-S at the EAST location. You can see that the Site dimension code was automatically assigned a value of EAST as this is the dimension value assigned to the EAST location.



Batch Name ..... DEFAULT

Manage Process Page Post/Print Line Item | Actions Navigate Fewer options

Posting Date	Entry Type	Document No.	Item No.	Location Code	Quantity	Unit Amount	Amount	Site Code
4/6/2020	Positive Adj	T00004	1896-S	EAST	2	780.70	1,561.40	EAST

3. You can double check this by **selecting Line > Dimensions**. This will show you the dimension assignments for the selected line. As you can see, a Dimension Value Code of EAST from the SITE dimension has been assigned.

🔍 Search + New 📄 Edit List 🗑 Delete 📄 Open in Excel

EDIT - ITEM DEFAULT 10000 - EDIT DIMENSION SET ENTRIES

Dimension Code ↑	Dimension Value Code	Dimension Value Name
→ SITE	EAST	East

4. Now, try **changing the Location Code** to a different location. You will see that the dimension value updates accordingly.

Batch Name ..... DEFAULT

Manage Process Page Post/Print Line Item | Actions Navigate Fewer options

Posting Date	Entry Type	Document No.	Item No.	Location Code	Quantity	Unit Amount	Amount	Site Code
4/6/2020	Positive Adj	T00004	1896-S	WEST	2	780.70	1,561.40	WEST

## 5. Usage Example - Document

The steps below provide an example of how this app works with a Document transaction. I will be using the Sales Order document to demonstrate.

1. **Create** a new **Sales Order**.



2. **Enter a line item(s).** Make sure to **select a Location Code** as this is what triggers the automatic setting of the dimension value assigned to the location. In the example below, I entered item 1896-S at the EAST location and item 1900-S at the MAIN location. You can see that the Site dimension codes were automatically entered based on the dimension value assigned to the location.

## S-ORD101005 · Adatum Corporation

Process Report Release Posting Prepare Order Request Approval Print/Send Navigate | More options

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**General**

Customer Name ..... Adatum Corporation ... Due Date .....

Contact ..... Robert Townes ... Requested Delivery Date .....

Posting Date ..... 4/6/2020 ... External Document No. ....

Order Date ..... 4/6/2020 ...

Lines | Manage More options

Type	No.	Description	Location Code	Site Code	Quantity	Unit Price Excl. Tax	Line Amount Excl. Tax
Item	1896-S	ATHENS Desk	EAST	EAST	1	1,000.80	1,000.80
→ Item	1900-S	PARIS Guest Chair, black	MAIN	MAIN	1	192.80	192.80

3. Now we are going to take a look at how the app handles the entry of a Location Code at the header of a Document.
4. **Enter a Location Code** in the **Shipping and Billing** section.

**Shipping and Billing** Show more

Ship-to ..... Default (Sell-to Address) ▾ **Location Code ..... WEST ▾**

Contact ..... Robert Townes **Shipment Date ..... 4/6/2020**

Bill-to ..... Default (Customer) ▾

6. **Go to the Lines** section and **enter** another line item. The standard behavior of the system will **default** the Location Code from the header to the line and the app will then **set** the assigned dimension value.

Lines | Manage Line Order Page Fewer options

Type	No.	Description	Location Code	Site Code
Item	1896-S	ATHENS Desk	EAST	EAST
Item	1900-S	PARIS Guest Chair, black	MAIN	MAIN
→ Item	1906-S	ATHENS Mobile Pedestal	WEST	WEST



## 7. Usage Example - Assembly Order

Assembly Orders are unique in how they assign Location Codes from the header to the lines after the components of the BOM are automatically added to the lines section. This creates some scenarios where specific rules must be followed in order for the app to assign the dimension values properly. The steps below provide an example of how to properly use this app with Assembly Orders.

1. **Create** a new **Assembly Order**.
2. **Enter** an **Item No.** that **has** an **Assembly BOM**. In the example below, I entered item 1925-W.

### AO1039 · Conference Bundle 1-6

Process	Release	Warehouse	Posting	Print	Navigate	Order	Actions	Navigate	Fewer options
<b>General</b>									
No. ....	AO1039								
Item No. ....	1925-W								
Description .....	Conference Bundle 1-6								
Quantity .....	0								
Quantity to Assemble ..	0								
Unit of Measure Code ..	PCS								
Posting Date .....	4/6/2020								
Due Date .....	4/6/2020								
Starting Date .....	4/6/2020								
Ending Date .....	4/6/2020								
Remaining Quantity .....	0								
Assembled Quantity .....	0								
Assemble to Order .....	No								
Status .....	Open								

3. **Before** entering a Quantity **select** a **Location Code** in the Posting section. This will ensure the Location Code gets automatically assigned to each assembly line as this is what triggers the automatic setting of the dimension value assigned to the location. **If** you set the Quantity **before** entering a Location Code, then you will **receive** a warning message letting you know that the dimension values will **not be** set properly unless you **clear** the Quantity and set the Location Code first.

**Note:** When setting the Location Code, the app will also set the dimension value assigned to the location in the header dimensions. This is needed in order to support this process. For this reason, Resource type lines will also be assigned the dimension value. Please ensure that this is desired behavior before using the app with Assembly Orders.

### Posting

Variant Code .....		Unit Cost .....	0.00
Location Code .....	MAIN	Cost Amount .....	0.00
Bin Code .....			






4. **Enter** a Quantity. The assembly lines will be populated. You can see that the Site dimension codes were automatically entered based on the dimension value assigned to the location.

**General**

No. ....	AO1039	Due Date .....	4/6/2020
Item No. ....	1925-W	Starting Date .....	4/6/2020
Description .....	Conference Bundle 1-6	Ending Date .....	4/6/2020
Quantity .....	1	Remaining Quantity ...	1
Quantity to Assemble ..	1	Assembled Quantity ...	0
Unit of Measure Code ..	PCS	Assemble to Order ...	No
Posting Date .....	4/6/2020	Status .....	Open

Lines		Manage	Line	Functions	Fewer options		
Avail. Warni...	Type	No.	Description	Location Code	Site Code	Unit of Measure Co	
Yes	Item	1920-S	ANTWERP Conference Table	MAIN	MAIN	PCS	
Yes	Item	1968-S	MEXICO Swivel Chair, black	MAIN	MAIN	PCS	
→	Resource	LINDA	Installation		MAIN	HOUR	

5. **If you change the Location Code after** entering the **Quantity**, then you will **receive** a warning message letting you know that you must first **clear** the Quantity before changing the Location Code. This is needed in order for the app to set the dimension values properly on the lines after a Location Code change in the header.

 If you change the Location Code after entering the Quantity, then the dimension values assigned to the Location Code will not be set properly.

Please clear the Quantity, then set the Location Code before reentering the Quantity.

OK

6. If you are using assembly orders in a make to order/blanket order environment where the assembly orders are automatically being created from a sales line, then the **same** rules defined in this section will apply. They are:
  - a. You must enter the Location Code on the sales line **before** entering the quantity.



- b. If you **change** the Location Code **after** entering the quantity, then you **must** first **clear** the quantity **before** changing the Location Code.

## 8. Supported Transactions

The following defines the supported transactions of the app.

Transaction	Notes
Item Journal	
Item Reclass Journal	When performing a transfer, the app will automatically set the dimension value assigned to the Location Code (i.e. from location) and will also set the dimension value assigned to the New Location Code (i.e. to location). This may or may not function as desired. When companies transfer inventory from one location to another, they are in some cases not expecting any GL impact to take place. They are simply moving inventory from one location to another. However, Business Central does create a journal entry. Without dimension codes it usually goes in and out of the same accounts (unless different inventory accounts are setup per location in the Inventory Posting Setup) and no GL impact takes place. However, if different dimensions are assigned on the entries (location A has one dimension and location B has another), then there will be a debit impact to one dimension and a credit impact to another. Some companies will not desire this behavior if reporting expense by location (i.e. dimension), and this may not be warranted if inventory was simply transferred between two locations. If this does not meet your requirements, then the Item Reclass Journal transaction type can be turned off in the Location Dimension Assignment Setup page.
Physical Inventory Journal	This app supports the Calculate Inventory function.
Item Revaluation Journal	This app supports the Calculate Inventory Value function.
Assembly Quote	This app supports the automatic creation of Assembly Quotes from Sales Quotes. See Usage Example - Assembly Order section for rules that apply.
Assembly Blanket Order	This app supports the automatic creation of Assembly Blanket Orders from Sales Blanket Orders. See Usage Example - Assembly Order section for rules that apply.
Assembly Order	See Usage Example - Assembly Order section for rules that apply.
Sales Order	
Sales Return Order	
Sales Invoice	
Sales Credit Memo	
Sales Blanket Order	
Sales Quote	
Purchase Order	
Purchase Return Order	
Purchase Invoice	



Purchase Credit Memo	
Purchase Blanket Order	
Purchase Quote	

## 9. FAQs

1. What happens if I change the Dimension Code in the Location Dimension Setup page?

If you change the Dimension Code in the Location Dimension Setup page, then a warning message will appear stating that “Changing this will result in all Location record Dimension Value Codes being set to blank. Are you sure you want to continue?”. If you click “Yes”, then the Dimension Value Code set on each Location Card will be set to blank resulting in the app no longer having any function. If you click “No”, then no changes will occur.

If you decide to use a different Dimension Code and assign this in the Location Dimension Setup page, you will still receiving the same warning message and you can click “Yes”, then you can proceed with following the steps in the Location Dimension Assignment Setup section in order to assign the dimension values to the Location Cards.



Changing this will result in all Location record Dimension Value Codes being set to blank.

Are you sure you want to continue?

2. What happens if I change the Global Dimension or Shortcut Dimension in the General Ledger Setup page that is assigned to the Location Dimension Setup page?

If you change the Global Dimension or Shortcut Dimension in the General Ledger Setup page that is assigned to the Location Dimension Setup page, such as setting it to blank or moving it to another Shortcut Dimension position, then a warning message will appear stating “<Dimension> is currently in use in the Location Dimension Setup. Changing this will clear the Setup and all Location record Dimension Value Codes. Are you sure you want to continue?” If you click “Yes”, then the Dimension Code set in the Location Dimension Setup page and the Dimension Value Code set on each Location Card will be set to blank resulting in the app no longer having any function. If you click “No”, then no changes will occur.





SITE is currently in use in the Location Dimension Setup. Changing this will clear the Setup and all Location record Dimension Value Codes.

Are you sure you want to continue?

Yes

No

3. Does the app support the Manufacturing business area?

While the app does support Assembly Orders it does not support the Manufacturing business area. This is in consideration, but as of the moment it is not supported.

4. Does the app support the Warehouse business area?

While the app does not execute any code on any Warehouse tables, many Warehouse documents inherit their dimension values from preceding documents such as Sales Orders and Purchase Orders. The app does support these documents, and therefore, the Warehouse documents that have one of these preceding documents will inherit the dimension values from the transaction types that the app supports.

5. Why doesn't the app support Transfer Orders?

Transfer Orders do not use the same process as an Item Reclass Journal where a Dimension Code and New Dimension Code can be stored when a Location Code and New Location Code are selected. The Transfer Order only gives the option for one Dimension Code, and therefore, does not support inserting a dimension value by location.

6. Does the app only support line item types of Item?

On Sales and Purchase documents the app supports all line item types including G/L Account, Resource, Fixed Asset, and Charge Item. On Assembly documents the app supports both line item types of Item and Resource.

