Oracle Warehouse Management Cloud

Redwood Mobile WMS Guide

Release 25D

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G38920-01

Author: Oracle WMS Cloud Product Team

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Get Help

There are a number of ways to learn more about your product and interact with Oracle and other users.

Get Help in the Applications

Access the online help from the user drop-down menu in the Warehouse Management application.

Get Support

You can get support at *My Oracle Support*. For accessible support, visit *Oracle Accessibility Learning and Support*.

Get Training

Increase your knowledge of Oracle Cloud by taking courses at *Oracle University*.

Join Our Community

Use *Cloud Customer Connect* to get information from industry experts at Oracle and in the partner community. You can join forums to connect with other customers, post questions, and watch events.

Learn About Accessibility

For information about Oracle's commitment to accessibility, visit the *Oracle Accessibility Program*. (if videos) Videos included in this guide are provided as a media alternative for text-based topics also available in this guide.

Share Your Feedback

We welcome your feedback about Oracle Warehouse Managment. If you need clarification, or find an error, you can direct your questions via a service request to *My Oracle Support.*

1 Redwood Mobile WMS Experience

Redwood Mobile WMS

Oracle is proud to introduce Redwood Mobile WMS, a modern, mobile application that provides all the functionality of our feature-rich RF application, but with a new Redwood mobile user-experience. This feature is generally available for all customers as of 24D. This new Progressive Web Application (PWA) is browser-based, which removes any dependency on SSH middle ware, making it much easier to deploy, access and update. In addition to providing all the RF functionality, Redwood mobile also offers the following:

- Display of item images in many key screens
- Ability to use the device camera to scan barcodes
- Touch enabled modern graphical Redwood mobile UI

This new UI brings you a touch-based mobile interface for all your warehousing transactions using mobile devices, but also retains the CTRL key functionality and key based navigation used on traditional ruggedized devices, that may not be touch-enabled. Amazingly, this new mobile application also leverages the same screen parameters, configurations, field names (literals), translations and process-flows of our best-of-breed character-based RF application. So deployment, training and user adoption will be drastically minimized, and you'll also be able to access all the functionality from years and years of development!

If you're running Redwood Mobile on mobile devices, there are minimum operating system recommendations and requirements. For an updated list of the supported Operating Systems and Web Browsers, please refer to the *Oracle Warehouse Management Cloud Technical Requirements Guide.* Redwood Mobile supports the same Single Sign on (SSO) options as supported by the desktop application, while the RF mobile application only supported some limited options. This opens up the option of using 2FA (Second factor authentication) with Redwood mobile, that was not possible with RF.

While the text based Mobile RF application over SSH is still available as of mid 2025, sunset plans for this application have been announced. Refer to *IMPORTANT Actions and Considerations* for details. New customers are encouraged to test and use only Redwood Mobile. Existing customers are encouraged to test Redwood mobile in test environments, followed by limited trials in production, such as for specific groups in specific sites, before rolling it out on a larger scale.

You can find information on the legacy VBCS screen in the *Appendix* section of this document.

2 Overview – Redwood Mobile WMS

Overview – Progressive Web Application (PWA)

Redwood Mobile WMS is a Progressive Web Application. A Progressive Web Application (PWA) is a website that can be downloaded as a native application on your Desktop, Android, or iOS mobile devices. You can use the PWA as a regular web page and enjoy extensive flexibility with modern touch of mobile experiences.

The PWA can be downloaded and installed using a simple URL address or by scanning the QR code and you can relish the benefit from more frequent updates. An installed PWA appears alongside your other apps for convenient access.

3 Configuring Redwood Mobile WMS

Configuration and Setup

Redwood Mobile WMS provides all the functionality of our feature-rich RF application. This means that whatever RF Menu that you have configured in your Default Group will display the Redwood Mobile WMS. The VBCS menu must be blank for the Redwood mode to work. Existing customers that had VBCS menus configured prior to 24D will be able to continue using it until 25B by which time they must move to Redwood mobile. As noted earlier, Redwood mobile offers access to the entire breadth and depth of RF mobile functionality whereas the previous VBCS transactions were very limited in scope.

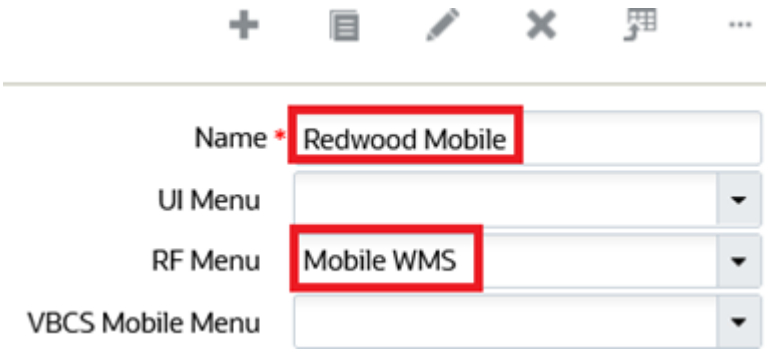
In the Group Menus page, if you want to use the Redwood Mobile Application, the VBCS Mobile Menu must be blank in the **Group** UI, and the RF menu must be defined.

> **Note:** If you have an existing RF Menu, there is no need to create a new RF Menu for this. Redwood Mobile will render your current RF Menu, but the VBCS Mobile Menu must be empty. RF screen parameters will also automatically be applied in Redwood Mobile WMS.

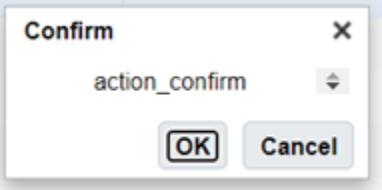
Redwood mobile requires the same API permissions as the previous mobile application. Users must have access to the four lgfapi permissions (lgfapi create access, lgfapi delete access, lgfapi read access, lgfapi update access). If the user's role is ADMINISTRATOR, they will automatically get all permissions if if their group has not been explicitly assigned it. Regular users must have it explicitly assigned to their group.

To setup Menu Configuration, do the following:

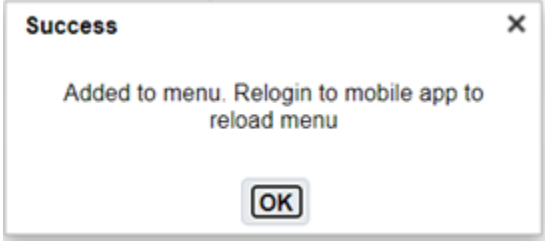
1. From the **Menu Configuration** UI, click the "+" icon button at the top right of the Menu UI screen.
2. To assign the Menu to the group, go to the **Group Configuration** UI > click the **RF Menu** > add the Menu here, and make sure VBCS Mobile Menu is empty. This can be done to an existing or a new group.



3. Create a user with your preferred group name (for example, Mobile App) or you can also update an existing user with the group. Assign the default group to the **RF Mobile** (here, Mobile App) menu you created.
    a. Click "**Add to Current Group Menu**" to add the created screen to group menu.
    b. Click **OK** to confirm the action.



    c. After adding the screen successfully, the system displays the following pop-up window. Click **OK**.



Note: If you have an existing RF Menu. There is no need to create a new RF Menu for this Redwood Mobile it will render your current RF Menu. This means that you can use the existing screen parameter configuration, and you do not have to set up new parameters in a new screen. Please note that the VBCS Mobile Menu must be empty.

ADDITIONAL POINTS TO NOTE

- New customers will not be able to create a new VBCS menu.
- The reason for these changes to VBCS menus is to prioritize Redwood Mobile. Additional flexibility with regards to VBCS screens may be offered in the future.
- Existing customers with no VBCS menus set up in a company will have the same behavior as new customers.
- Existing customers may have some companies where VBCS menu access is possible and other companies where it is not.

4 Installing Redwood Mobile WMS

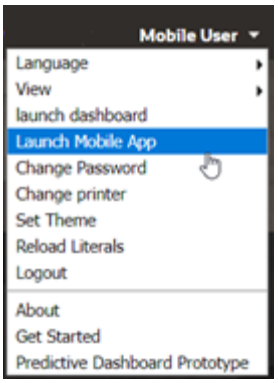
Installation

The Progressive Web Application (PWA) link is available in each Oracle WMS Cloud environment. To download and install PWA to your Desktop or to your Android and/or iOS phone, do the following:

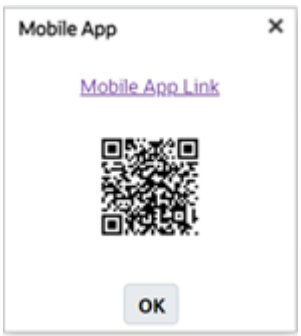
> **Note:** You cannot switch environments from within the PWA as the URL for each environment is different. You will need to install a separate instance of PWA for each environment that you have. This will allow you to have a separate home screen icon for each of your environments, so that you can distinguish each environment. With quarterly release updates, your installed PWA apps or PWA link will continue to work (since customer environment URL stay the same across releases), and the new version will update automatically.

PWA on Desktop

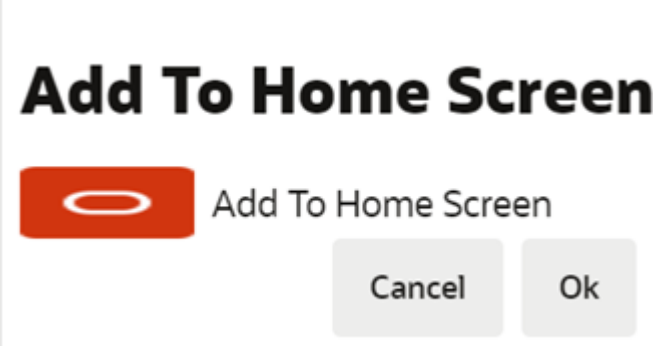
1. Launch the Oracle WMS Cloud environment.
2. Go to global settings drop down on the top-right pane of the application. Click **Launch Mobile App** option.



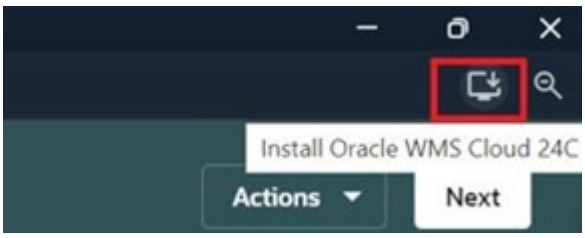
3. The system opens a Mobile App window consisting of “Mobile App Link” hyperlink or QR code for you to install on desktop or phone respectively.



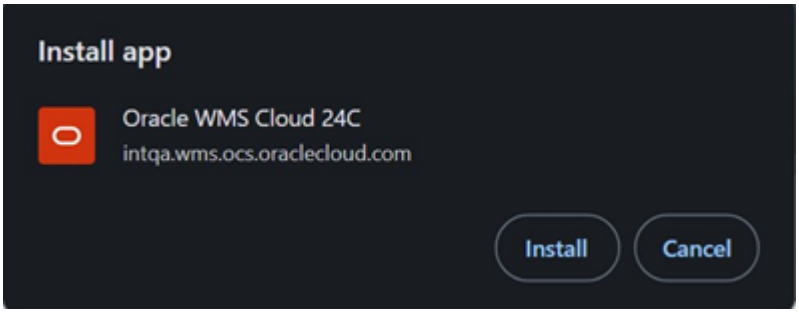
4. Click the “Mobile App Link” hyperlink to open the PWA. The link opens the PWA application on a browser and prompts a “Add To Home Screen” window. You can click OK to install or cancel to abort.



5. To download the PWA, go to upper right corner of the browser tool bar and click the download icon as shown below:



The app displays a window prompting to install the application. Click **Install**.



6. The application automatically installs latest version of Oracle WMS Cloud on the desktop browsers like Chrome and Edge.

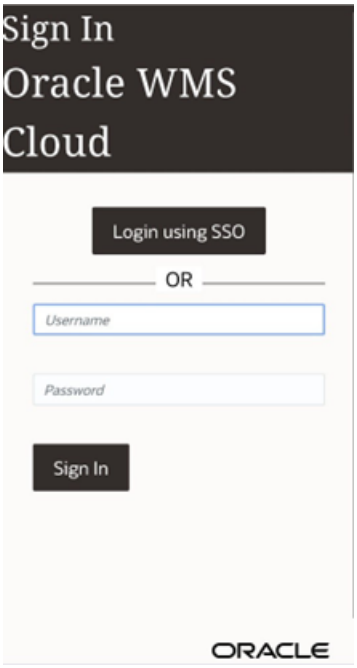
PWA on an Android and iOS Devices

You can install the PWA on an Android or iOS using the web browser or scan the QR code from your phone scanner.

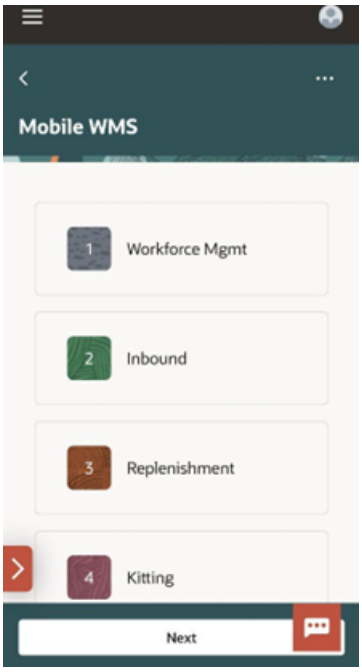
Android

1. The **Sign In** for Oracle WMS Cloud page opens.

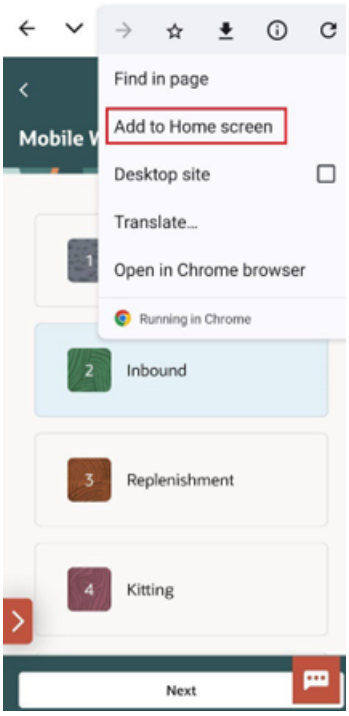
2. Enter valid credentials and click **Sign In**.



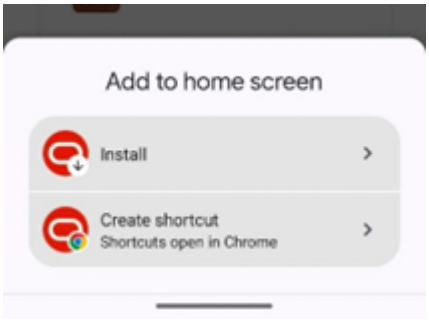
3. You can now view the list of modules in the homepage.



4. At the right top of the screen, click the … image in the top right of the screen. Click **Add to Home Screen** to download and add the app to the phone.



5. The **Add to Home screen**window prompts with you option to install the app on your phone or to create shortcut in your default browser. To download the PWA, click the Install.



   The system automatically installs the app on your phone.
6. Click **Cancel** to suspend the installation

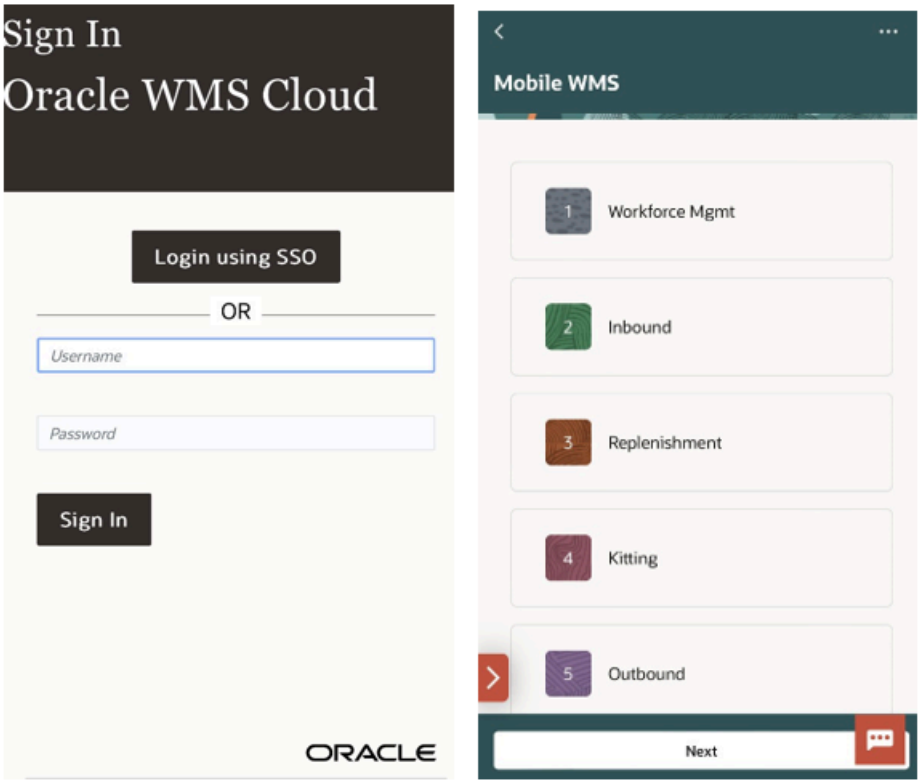
iOS

You can install the PWA on iOS using the Safari web browser or scan the QR code from your iPhone scanner.

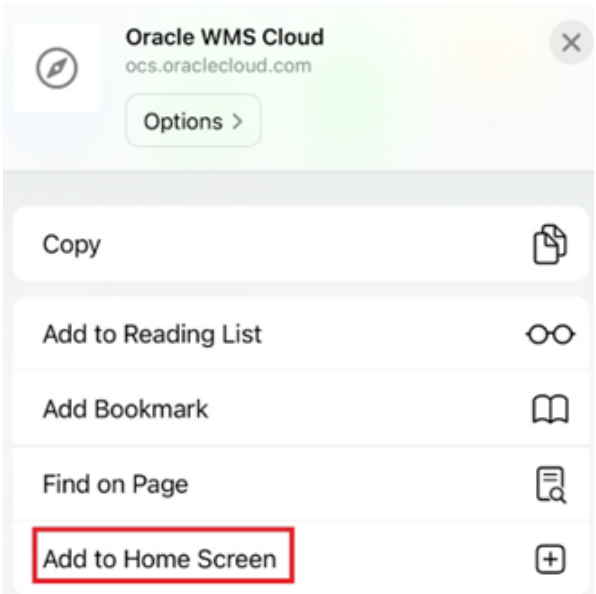
1. The **Sign In** for Oracle WMS Cloud page opens.
2. Enter valid credentials and click **SignIn**.

   You can view the list of modules in the home page.

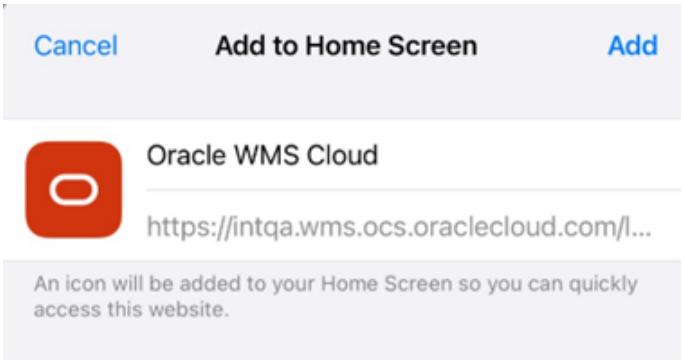
3. Click the **Upload** icon to install PWA on your iPhone.



4. Click **Add to Home Screen** from the options. The Add to Home Screen is displayed.



5. Click **Add** on the top right pane.



The application automatically installs the application on your device.

6. Click **Cancel** to abort or suspend the installation.

5 How to Navigate

Navigating in Redwood Mobile WMS

The following section provides more details on navigating in Redwood Mobile WMS.

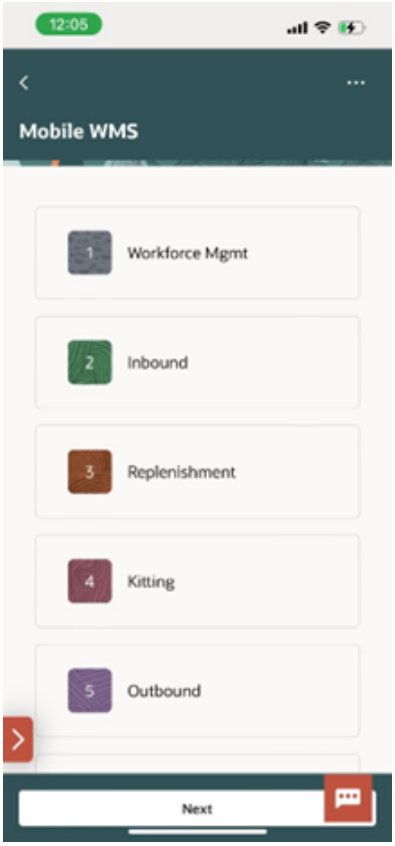
Look and Feel (Images display for items,etc)

The new Redwood Mobile WMS boasts a modern, user-friendly interface designed to enhance your experience. In selective screens, the application will display pictures of the item.

Touchscreen

Redwood Mobile WMS is fully optimized for touchscreen functionality. With simple taps or swipes, you can easily navigate though menus and transactions. You can select transactions and perform actions, allowing easier interaction with the application.

Flexible Navigation



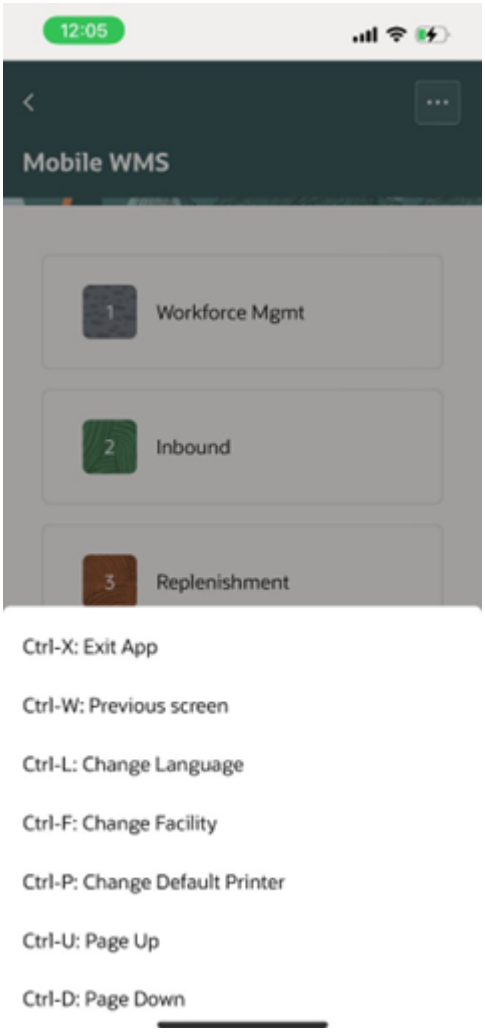
Redwood Mobile WMS menu's offer two ways to navigate, retaining compatibility with RF behavior while adding touch support:

1. Select a transaction by pressing the touchscreen.
2. Press the bottom red arrow to make an entry field visible, enter a corresponding transaction number and press Next.

> **Note:** Unlike the RF menu which shows only a limited number of entries at a time and users have to use control keys to page down or page up, Redwood mobile loads all the menu options (at the current level) and users can navigate by swiping.

Action and CTRL Keys

Control key actions from RF and grouped under the actions "…"/"Actions" menu that can be accessed using touch. Devices with physical keyboards can keep using Control keys directly. However some keys may need to be re-mapped: – please see "Known Behaviors" section.



Home

When you click the hamburger menu or profile icon will show you information about the current user and company and facility.

Camera Options

Using Redwood mobile, you can scan barcodes using the camera while also maintaining compatibility with integrated laser barcode scanners.

Note:

- Image Capture in specific transactions is supported from 25B onward.
- Camera-based barcode scanning may not be as fast or as accurate as an attached laser scanner. Camera barcode scanning is more susceptible to variations in device operating systems and browser versions, the quality of the camera, the condition and legibility of the barcode and other factors. Laser scanners are better at handling variations in barcode print quality, as well as handling a wider range of barcode symbologies. If camera-based scanning proves to be inconsistent in terms of accuracy and speed for your conditions, we recommend using a laser scanner.
- Offline mode not currently supported. However, Redwood mobile is more resilient to wi-fi end spots or network glitches than traditional RF.

Autotab After Camera Scan

To streamline your scanning process, you can use the **'Autotab after camera scan'** option, accessible through the **Group Menu.**

Key Benefits

- **Faster Scanning:** With this feature enabled, you no longer need to click 'Enter' after scanning a barcode with your camera. The system automatically appends a tab, allowing you to move swiftly to the next scanning step.
- **Improved Productivity:** By reducing the number of clicks, you can complete transactions more quickly. This is especially beneficial in fast-paced warehouse environments where efficiency is crucial.

How it works:

1. **Scan and Advance:** When you scan a barcode with your camera, the system will automatically detect the scan and insert a tab. This eliminates the need for an extra click, allowing you to seamlessly progress to the next scanning step.
2. **Efficiency Gains:** The auto-tab feature is designed to optimize your scanning workflow, especially in tasks that require multiple scans. It reduces the physical interaction with the device, making the process faster and more comfortable for users.

Use Cases:

- **Inventory Counting:** During stocktaking, you can quickly scan multiple items without the need for additional clicks, making the process more efficient.
- **Picking and Packing:** Streamline the picking process by scanning items and moving to the next step instantly, ensuring a faster order fulfillment process.

1. To enable the **Autotab** option for enhanced camera based barcode scanning, go to the **Group Menu**.

2. Select the '**Autotab after camera scan'** option.
3. Click **Save**.

Capture and Manage Attachments

As an intuitive and user-friendly graphical interface, Redwood Mobile Application enables attaching images to an item through **Attachment** field accessed via the control **key Ctrl-F: Attachments**.

This feature becomes essentials for floor employees to effectively conduct a real-time-transaction with minimal delays.

For example: If a shipment carries a damaged package, you can take a picture of the damaged item, link the picture to the inventory record, and then document the condition it was received. This helps the operations to keep a track and improve accuracy on the inventory management.

Configurable Entry Mode

Redwood Mobile Application provides you with a scrollable list of options, or menus. You can opt for this in two ways, either to tap the specific option on screen, or by entering the option number, like RF. You can control entry field to expand, by default or even completely hide it. This can be achieved through configuring "Redwood Mobile menu entry mode" parameter setting in the **Group Configuration** screen.

6 Known Behaviors

Known Behaviors in Redwood Mobile WMS

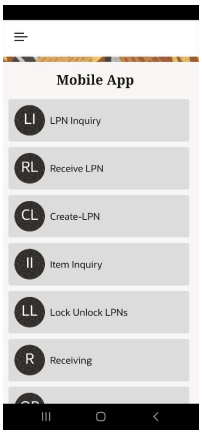
The following are known behaviors in the Redwood Mobile WMS:

- Quantity entry fields may behave differently on certain browsers/devices. In most browsers, quantity entry field will only allow you to type in numbers. However, in certain browsers or operating systems, it may allow you to type in alphabetic characters, but will not allow you to proceed. There will be an error below the field indicating that only numbers are allowed.
- When used on a tablet or larger window size, the … secondary actions menu (control key menu) will be replaced by an “Actions” menu. This is expected behavior.
- When used on a computer, even if the window is sized to a mobile screen proportion, the … secondary actions menu (control key menu) may have a superfluous sub-menu called “Actions”. This is expected. When installed as an app on an actual mobile device with the phone form factor and in portrait mode, this superfluous entry will not appear. After switching to landscape mode, this extra entry may start showing up.
- Secondary actions, or control key actions can be activated either using touch, or the actual control key. However certain control keys will not be available on certain browser and/or operating system combinations. The solution for this is to remap those keys using the RF key remapping feature available in the WMS using other control keys or function keys.
- On a screen with multiple entry fields, one entry field will be first be focused on for user entry. When you type in a value and press tab (or a barcode is scanned with a scanner), it will move to the next entry. You can also use touch to switch focus to another entry field. You can also use up or down arrows to navigate.
- Camera-based barcode scanning will not have the auto-tabbing behavior that is normally configured with built in laser scanners; users will have to touch next to move to the next field or page. Camera based scanning is not as fast or accurate as laser scanners (as noted elsewhere), so this behavior is provided to give an opportunity for the user to check the scanned value. An optional capability to auto-tab for camera barcodes is a roadmap item for a future release.
- The RF timeout feature applies to Redwood mobile as well. If inactive for longer than the RF timeout (default 30 minutes), nothing visual will indicate this has happened. When you try to continue using the app, it may display an error and log back into the app and reload the RF menu.
- Using Ctrl-V to paste text into an entry field, such as when using the app on a windows computer, is not recommended. Instead please use the browser’s right click paste. Using Ctrl-V can trigger a secondary action, if that page has Ctrl-V as one of the options. So it’s best to avoid it.
- Redwood mobile supports all the languages supported by the RF app.

7 Appendix

Module Tour of Legacy VBCS Transactions

The following limited set of legacy modules are available for legacy VBCS menus configured for the mobile app. These are not the Redwood Mobile modules which are the ones setup in the RF Menu. For legacy customers that had VBCS menus setup prior to the Redwood mobile release, upon successful sign in, the mobile application will display a list of screens added to the VBCS menu in their default group. Here is some information on those transactions. Users of these legacy transactions should migrate to the more full featured Redwood mobile transactions as described earlier in the document.



The application displays the screens you added:

For example,

- Create IBLPN
- Item Inquiry
- LPN Inquiry
- Lock and Unlock LPNs
- Receiving
- Putaway
- Cycle Count
- Order Picking
- Ship OBLPN

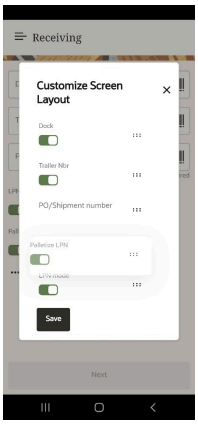
Note:

- To change the facility and company, tap the hamburger icon on the top left pane icon and choose from the eligible list displayed under the drop-down.
- Select a screen and provide the required details to proceed further (Example:CreateLPN).
- You can also scan the barcode with the camera or type the LPN number. Similar steps for Location, Item etc.

Customize the Layout Screen You can customize the layout of the fields using the gearbox (**...**) available on the screen. For example,

1. From any screen > tap the gearbox (**...**). The **Customized Screen Layout** opens.
2. You can enable the fields that you want to be displayed on the screen. You can disable the fields you dont want to display on the screen.
3. You can also shuffle and order the fields of your choice, hold and drag the field to place the order.

   The below screen displays the customized screen layout for the Receiving module where you can design the layout by enabling/disabling the field and shuffle the fields per your need.

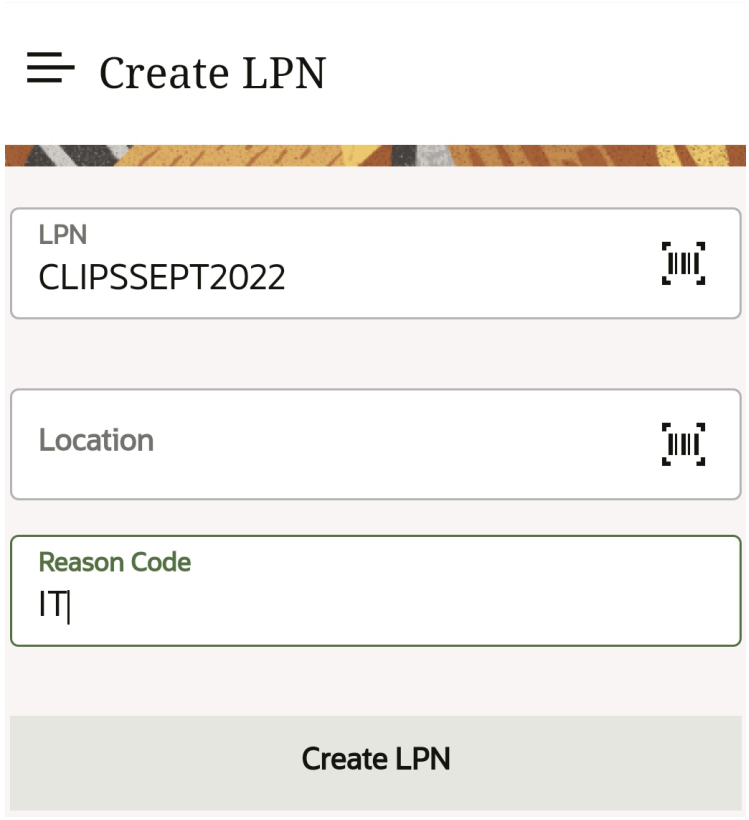


4. Click **Save**. The order reflects on the Receiving screen.

Create LPN

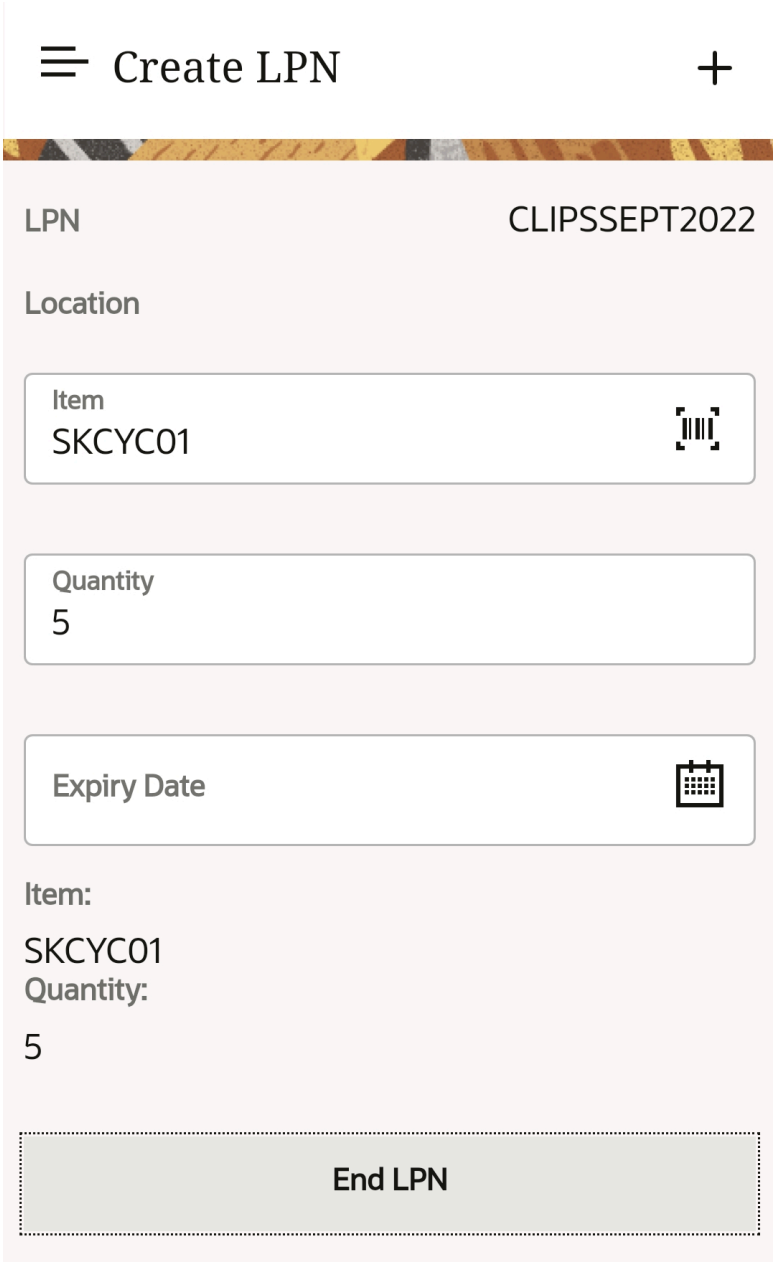
To create LPN number, do the following:

1. Tap the **Create LPN** module. The Create LPN screen appears.



2. Enter or scan the **LPN** Number, **Location** details (Optional field), and **Reason Code** and Tap **Create LPN** button.
3. The screen navigates you to enter/ scan the **Item** and the **Quantity** field. You can also choose to enter the Expiry Date (Optional).

4. Tap the **End LPN** button.



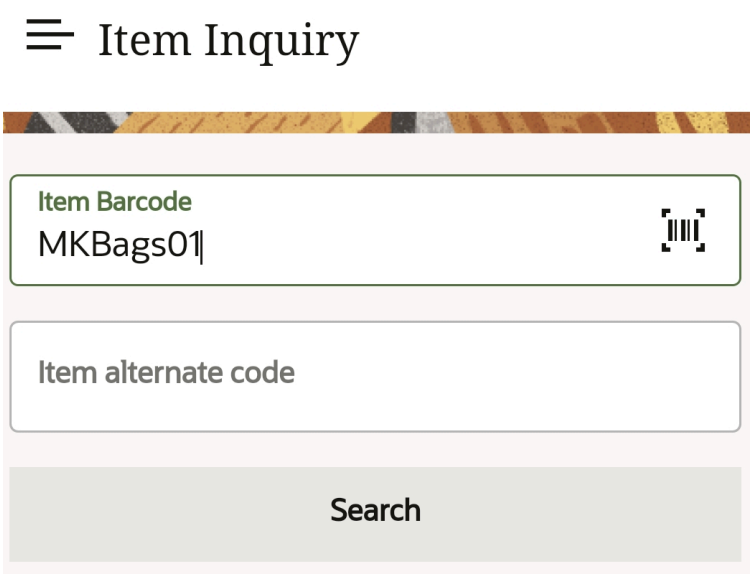
5. The next screen displays the summary of the items and quantity entered. An **Information** pop-up message appears after an LPN is successfully created.

Item Inquiry

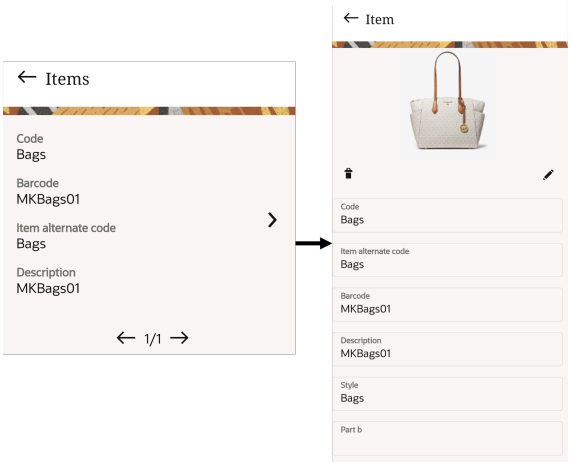
You can search the item and fetch item details. You can also modify item's displays image or delete from your mobile device.

1. Tap the **Item Inquiry** module. The Item Inquiry screen appears.

2. Enter or scan the **Item Barcode**. You can also enter the Item alternate code (Optional).
3. Tap Search. The application navigates you to the Items screen



4. Tap the **>** button to view the item's details. You can upload or modify the existing item's image.



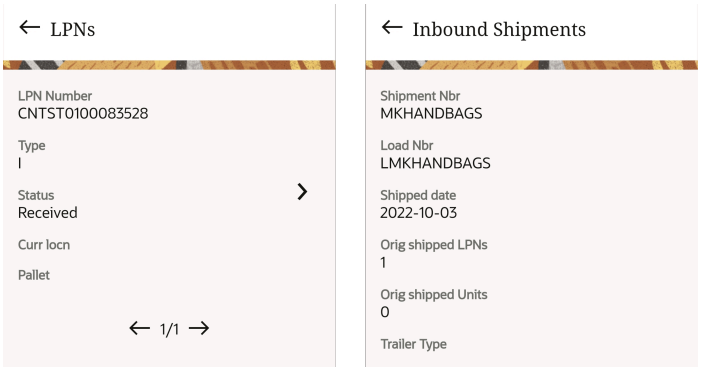
5. To modify the image, tap the pencil icon. The application gives you options to capture the image by opening the mobile Camera or to browsing through the mobile's gallery.
6. To delete, tap the trash icon. The application pops a confirmation message. Tap **OK** to delete.

LPN Inquiry

You can search the LPN to fetch the details such as LPN status, current location, pallet, shipped date and so on.

1. Tap the **LPN Inquiry** module. The LPN Inquiry screen appears.
2. Enter or scan the **LPN Number** and tap **Search** button. The LPNs screen displays the LPN details.

3. Tap the > button on the screen to see more information about the LPN.



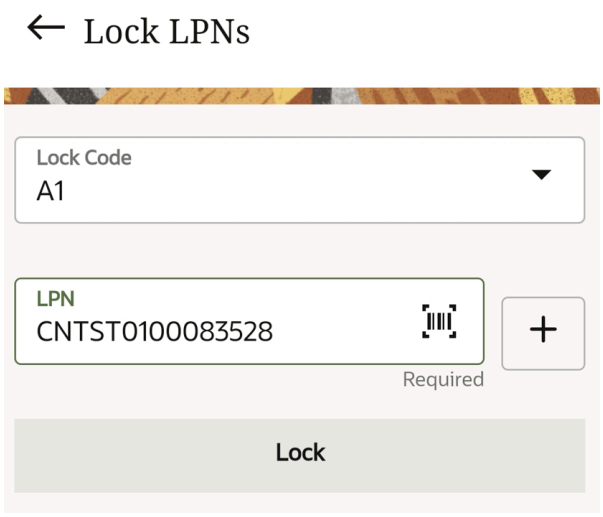
Lock and Unlock LPNs

You can apply lock and unlock LPN by entering the LPN number.

1. Tap the Lock and Unlock LPN module. The Lock Unlock LPNs screen opens.
2. Choose the Lock LPNs or Unlock LPNs button and tap **Continue**.

3. After you choose Lock LPNs, the application navigates you to the Lock LPNs screen.
   a. Select the Lock Code from the drop-down box and enter the LPN number.

> **Note:** You can choose multiple LPNs to be locked under the same lock code at the same time.

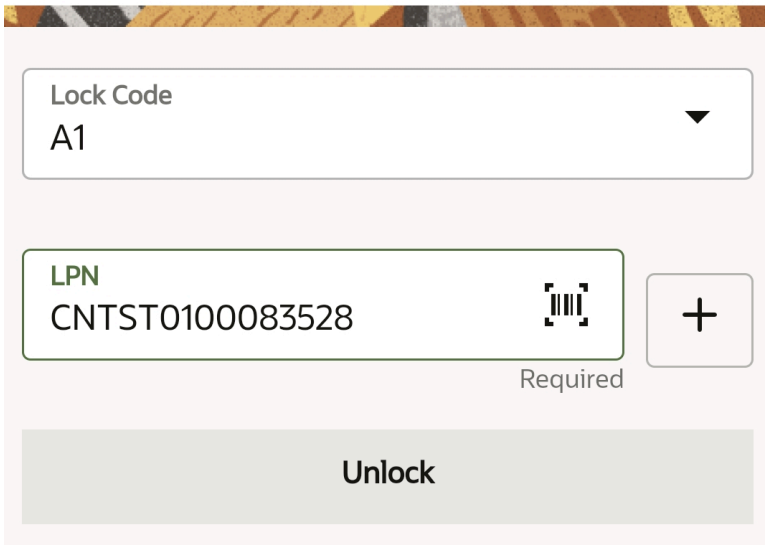


   b. Tap **Lock** button. On success, the application will display a confirmation window. Tap OK.

On choosing to Lock LPNs, the application navigates you to the Lock LPNs screen.

   a. Select the Lock Code from the drop-down box and enter the LPN number.

> **Note:** You can choose multiple LPNs to be locked under the same lock code at the same time.

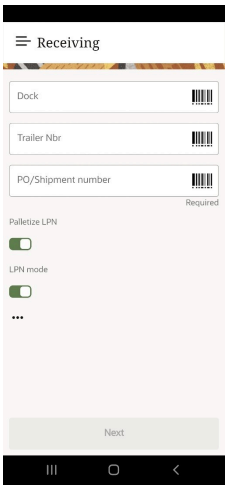


   b. Tap the **Unlock** button. On success, the application will display a confirmation window. Tap **OK**.

Receiving

This section describes the Receiving transaction module.

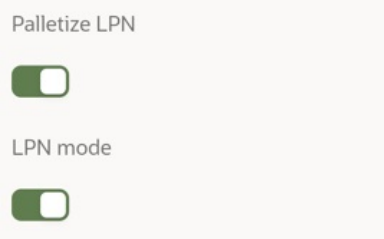
Login to your Mobile App > tap the **Receiving** module. The **Receiving** screen appears.



Receiving

Fields	Description
PO/Shipment number (Required)	Accepts PO or Shipment Number. If the PO has multiple shipments available, then a pop-up window is displayed with a list of possible values.
Dock	Accepts the Location barcode or dock number.
Trailer Nbr	Accepts the Trailer number.
Palletize LPN	Enabled, by default. Accepts the pallet number of the LPN and the pallet screen appears. If the toggle is off, the respective receiving mode appears.
LPN Mode	Enabled, by default. Receives LPN and prompts you to enter the content for the LPN. If the toggle is off, the receiving mode is switched to SKU mode receiving. An advantage of SKU mode is you can receive multiple LPNs that have the same content.
Cross Dock	Disabled, by default. Allows you to cross dock LPNs during receiving to help fasten the order fulfillment.
...	Allows you to customizes the Receiving screen layout.
Next	Click to proceed to the next screen.

The **Receiving** screen has toggle buttons that are enabled, by default:

- **Palletize LPN**: When this toggle is enabled, you are prompted to scan a pallet in the next screen.
- **LPN Mode**: If the LPN mode toggle is enabled, you are prompted to scan a LPN and then the SKUs or inventory that belong to the LPN. If this toggle is disabled, you will be receiving using SKU mode.
- **Cross Dock**: The cross dock LPN is functional only after enabling the toggle and configuring a valid parameter values.
- 

The following shows the flow for Receiving shipment in Palletize mode:

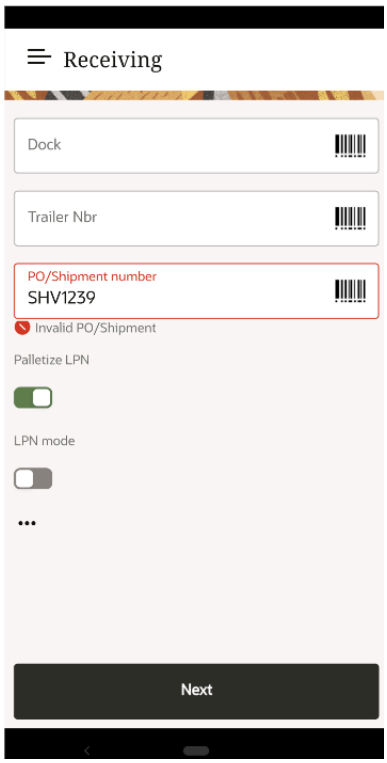
1. Enter/scan the dock number or trailer number.

   > **Note:** If you scan a dock number and an appointment is checked-in, the system will auto-populate the Trailer Number and PO/Shipment number fields.

2. Enter the **PO/Shipment number**.

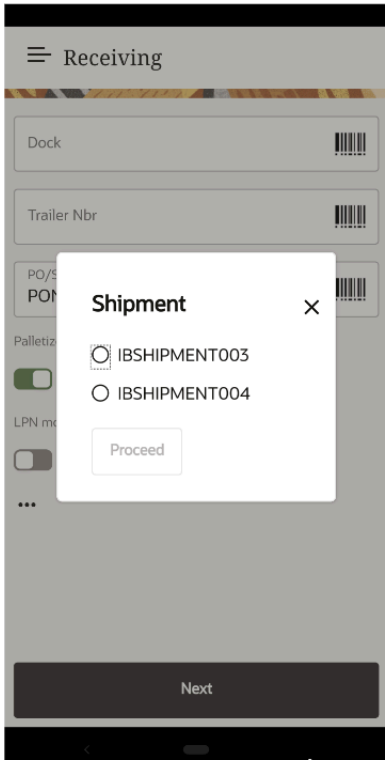
   In order to find if the number entered is a PO or Shipment Number, the system will first look at the PO table and search for a matching number whose status is < than Received. Otherwise, it will look into the Shipment table and search for a matching number where the status is < than Receiving Complete.

   a. If an invalid PO or Shipment number is entered, the system displays an Invalid PO/Shipment error message. For example,



   b. If a value is available in the PO table, and the PO is related to multiple shipments, then a pop-up is displayed for you to provide with the Shipments linked to the PO. It will only show Shipments that are in a

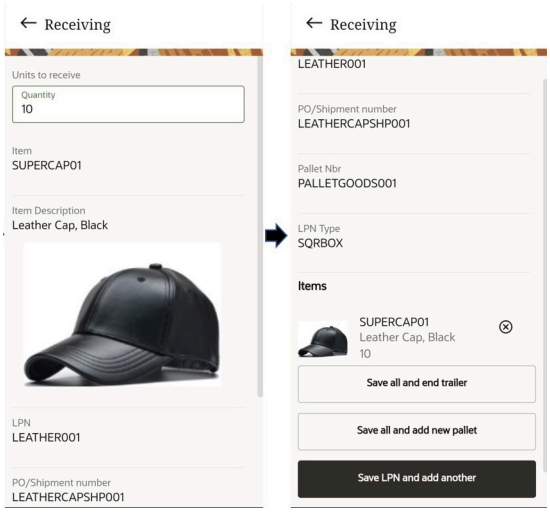
status less than receiving completed. On selecting the shipment value, the system will start the receiving process for the IB Shipment.



LPN Mode Receiving

1. If **Palletize LPN** toggle and **LPN Mode** toggle is enabled. The system prompts for the pallet number in the next screen.
2. Click **Next**.
3. Enter the Pallet number in the **Pallet Nbr** field.
4. Select the type from the list of values in the **LPN type** drop-down field.

5. Choose the **Pallet contains** type:
    a. Click **Single item LPN**radio button to receive single item LPNs and click **Next**.
    b. Enter the LPN number in the **LPN** field > Enter the item Barcode in the **Item Barcode** field.
    c. Enter the quantity in the **Units to receive > Quantity** field.



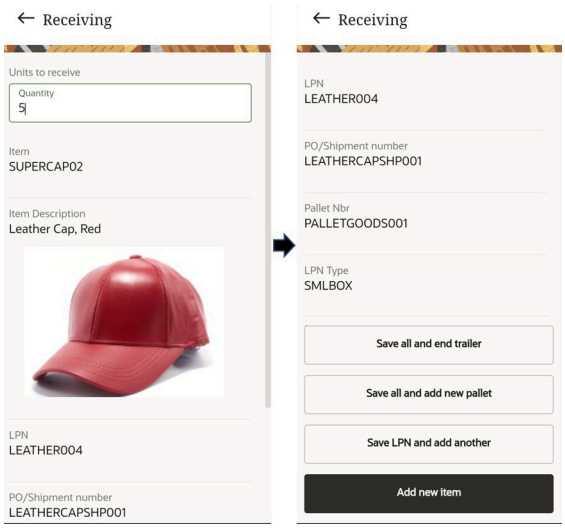
After successful receiving, the summary screen is displayed with the following options:

Summary Screen

Options	Description
Save all and end trailer	Saves all the records, ends the trailer, and the app routes you back to the main **Receiving** screen to scan a new shipment.
Save all and add new pallet	Saves all the LPN records and ends the current pallet. You can use this option to add the remaining SKU from the same shipment but on a new Pallet. The screen flow returns back to the **Pallet** screen where you scan a new pallet number. **Note:** Enter a different LPN number for the new pallet.

Options	Description
Save LPN and add another	Save the current LPN and add the same or different SKU from the same pallet but on a different LPN. The screen flow returns back to the **LPN** screen where you can scan a new LPN for the same pallet.

i. **Multi-item LPN**: Supports receiving of multi- item LPNs.
   a. Select the Multi-item LPN button and click **Next**.
   b. Enter the LPN number in the **LPN** field > Enter the item Barcode in the **Item Barcode** field.
   c. Enter the quantity in the **Units to receive > Quantity** field.



After successful receiving, the summary screen is displayed with the following options:

Summary Screen

Options	Description
Save all and end trailer	Saves all the records, ends the trailer, and the app routes you back to the main **Receiving** screen to scan a new shipment.
Save all and add new pallet	Saves all the LPN records and ends the current pallet. You can use this option to add the remaining SKUs from the same shipment but on a new Pallet. The screen flow returns back to **Pallet** screen where you scan a new pallet number. **Note:** Enter a different LPN number for the new pallet.
Save LPN and add another	Save the current LPN and add the same or different SKU from the same pallet but on a different LPN. The screen flow returns back to the **LPN** screen where you can scan a new LPN for the same pallet.

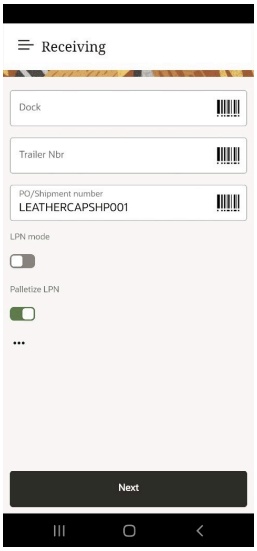
Options	Description
Add new item	This option is visible only if you receive multiple items by selecting Multi-item LPNs radio button Pallet screen. On tapping this option, the application takes you back to scanning the item barcode screen.

SKU Mode Receiving

This is a great mode if you receive LPNs that contain the same inventory multiple times. In this mode, you are prompted to first scan the SKU, quantity, and then the LPN number. You can continue to scan all of the LPN at once, unless you need to change another set of inventory or LPN containing different SKUs.

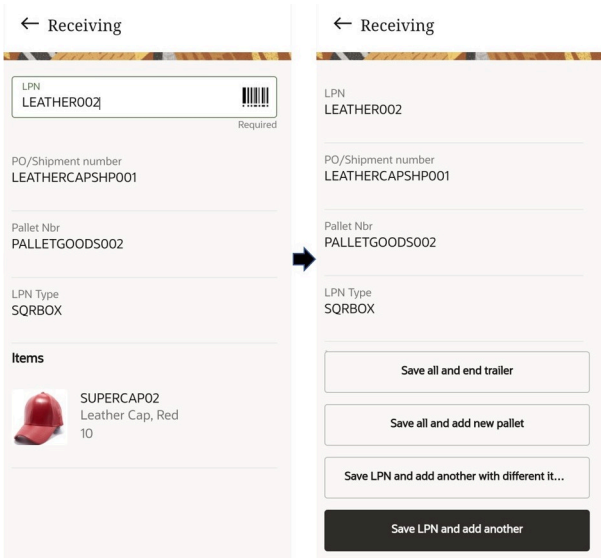
The following shows the flow for receive a shipment in SKU mode:

1. From the **Receiving** screen, enter the **PO/Shipment number**.
2. If **Palletize LPN** toggle = enabled and **LPN Mode** = disabled. The system prompts for the pallet number in the next screen.



3. Click **Next**.
4. Enter the pallet number in the **Pallet Nbr** field > choose the pallet contains > Click **Next**.
5. Enter the item Barcode in the **Item Barcode** field > Enter the quantity in **Units to receive** > **Quantity** field.

6. Enter the LPN number in the **LPN** field.



After successful receiving, the summary screen is displayed with the following four options:

Summary Screen

Options	Description
Save all and end trailer	Saves all the records, ends the trailer, and the app routes you back to the main **Receiving** screen to scan a new shipment
Save all and add new pallet	Saves all the LPN records and ends the current pallet. You can use this option to add the remaining SKU from the same shipment but on a new Pallet. The screen flow returns back to **Pallet** screen where you scan a new pallet number. **Note:** Enter a different LPN number for the new pallet
Save LPN and add another with different item	Saves the records and prompts you to scan another item barcode from the same shipment, quantity, and LPN. This screen flow returns back to **Item Barcode** screen.
Save LPN and add another	Save the current LPN and add the same or different SKU from the same pallet but on a different LPN. The screen flow returns back to the **LPN** screen where you can scan a new LPN for the same pallet.

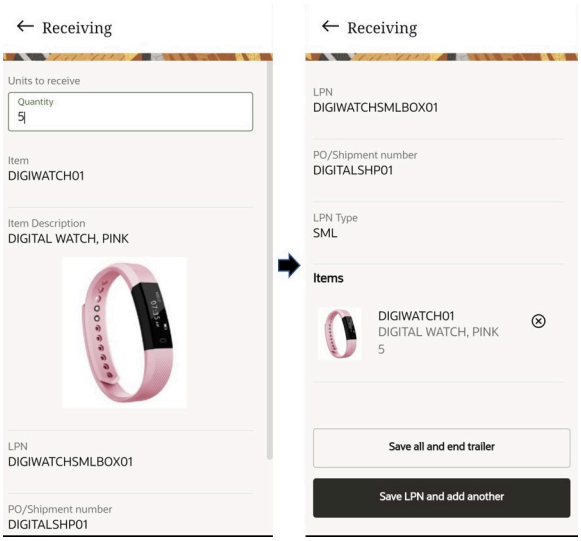
Receiving LPN or SKU without Palletize mode

The following depicts the flow of receiving for a non-palletized shipment:

1. From the **Receiving** screen, enter the **PO/Shipment number**. If **Palletize LPN** = disabled and **LPN Mode** = disabled/enabled, the application prompts you to the LPN type screen.

2. Click **Next**.
3. Choose the LPN type from the list of available LPN type descriptions > Click **Save**.
4. Enter the LPN number in the **LPN** field > Enter the item barcode from the **Item Barcode** field.

5. Enter the quantity in the **Units to receive** > **Quantity** field.



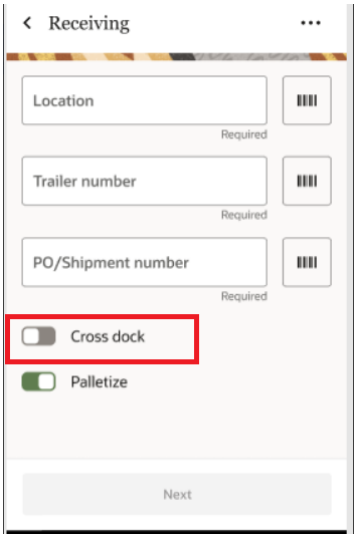
After successful receiving, the summary screen is displayed with following options:

Non-Palletize Mode Summary Options

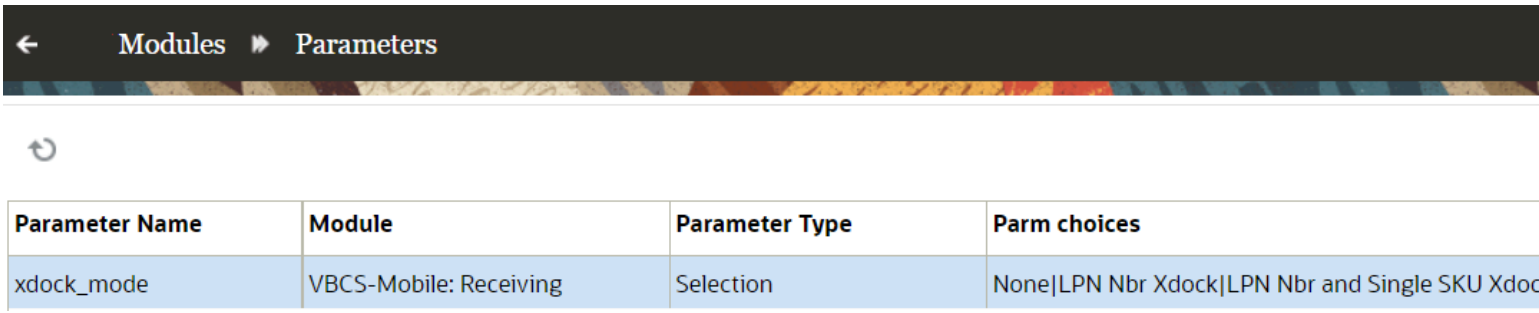
Options	Description
Save all and end trailer	Saves all the records, ends the trailer, and the app routes you back to the main **Receiving** screen to scan a new shipment
Save LPN and add another	Saves the current LPN and add the same or different SKU from the same pallet but on a different LPN. The screen flow returns back to the **LPN** screen where you can scan a new LPN for the same pallet.

Cross Dock LPNs during Receiving

In your Receive module, enable the “Cross dock” toggle. On launching the receiving module, the **Cross-dock** toggle will be disabled, by default.



To help reduce the time needed for order fulfilment during receiving, configure the xdock-mode in the receiving module with the following parameter values:



Parameter Name	Module	Parameter Type	Parm choices
xdock_mode	VBCS-Mobile: Receiving	Selection	None|LPN Nbr Xdock|LPN Nbr and Single SKU Xdoc

XDock Mode Parameter

Parameter Values	Description
None	Do not cross dock
LPN Nbr and Single SKU Xdock	The system first checks the receiving LPN with the orders and their required LPN number. If the LPN number does not match, then the system will perform single SKU Xdock until the single SKU LPN.
LPN Nbr Xdock	Checks the receiving LPN with orders that required LPN number.
LPN Nbr , single, multi sku xdock facility	The system first matches the LPN with an order. If the LPN number does not match, then the system will Xdock single sku. If the LPN is multi sku, the system will Xdock facility, only if it is a facility order.
LPN Nbr Single and Multi-SKU Xdock	The system first matches the LPN with an order. If the LPN number does not match, then the system Xdock single sku but if the LPN is a multi sku, then the system will Xdock.

Putaway

You can directly putaway one or more IB LPN to a location via the Putaway module. This transaction uses putaway types and putaway rules to determine the location. For more information on how to configure please refer to the putaway section of the *Online Help*.

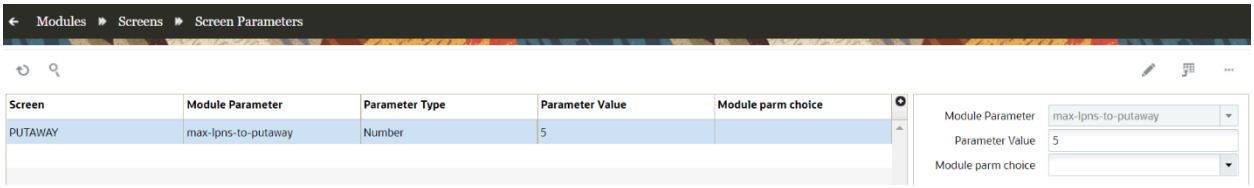
Before you begin, configure the following screen parameter:

- Make sure you have an LPN that has a Putaway type defined.
- Configure the Putaway method priority.

In the first screen, you are prompted to scan the LPNs that you want to putaway based on the numbers of scans defined by the screen parameter Max-lpns-to-putaway. To configure, do the following:

- Go to **Modules** > **Putaway** (VBCS) > Screen Parameter. Configure the **max-lpns-to-putaway** parameter value.

  Note: The recommend parameter value that can be configured is up to 50.



  Here, the parameter value is set to 5, and therefore the screen displays up to 5 LPN scan fields. Even though, the configure value is 5, it is not mandatory for you to scan all of the fields to continue Putaway.

Putaway Screen

Fields	Description
LPN	Enter/scan the LPN barcode.
Reverse Putaway Sequence toggle	When the toggle is: • **Disabled** (default): The system looks at the LPN type to determine the putaway sequence. The system will prompt you to putaway LPNs with the lowest assigned sequence first and highest at the last. • **Enabled**: The system will use the reverse sequence you scanned and will direct the LPNs to the location in the reverse order you scanned.
Next	This button enables you to proceed when an LPN is scanned. **Note:** You do not necessarily have to scan all the LPNs to continue.

Reverse Putaway Sequence Toggle

The Reverse Putaway Sequence toggle allows you to decide the logic the system will use to direct you to the location.

Let's say, you have the following LPNs with location putaway sequence:

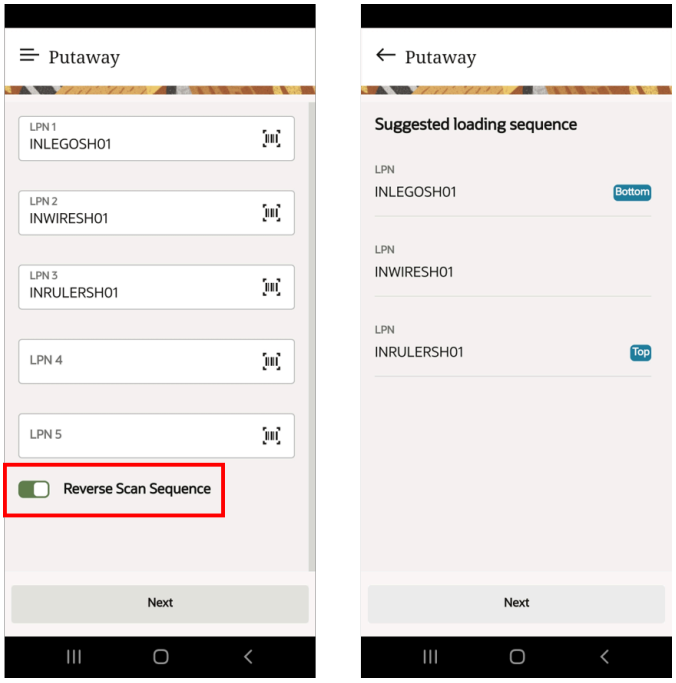
Reverse Putaway Sequence Toggle

LPN	Location Putaway sequence
INLEGOSH01	101
INWIRESH01	205
INRULERSH01	150

When the toggle is **disabled**, the system will order the locations based on the putaway sequence. Therefore, you'll be first picking INLEGOSH01 (LPS - 101), then INRULERSH01 (LPS - 150), and lastly INWIRESH01 (LPS - 205). This mode is focused on productivity. As you will be prompted to go to the location with the lower sequence, and putaway the inventory respectively.

The suggested loading sequence screen is a great tool. If you have equipment that allows you to accept multiple lpns such as a forklift, you will have a better picture of how to organize your LPNs. So, when you get to the location your LPN is accessible and you don't have to waste time unloading and finding the LPN you need to putaway.

1. Login to your Mobile App > tap **Putaway** module > Enter the LPN(s).
2. When the toggle is **enabled**: You'll pick the last LPN scanned and route to the locations according to the order that you have stacked the LPNs. That is, you'll will be directed to putaway the LPNs where first you lift the INRULERSH01, then INWIRESH01, and lastly INLEGOSH01.
3. In the Suggested Loading Sequence screen, you will see the reverse order of how you scanned your LPNs. You first stack INLEGOSH01 at the bottom in order for you to putaway INRULERSH01 first, and then go to the location for INWIRESH01, and lastly INLEGOSH01.



Ideally, this is a great functionality for you to putaway LPNs in scenarios where delicate items can be arranged accordingly to their weight or size. For example - you can avoid stacking heavier LPN boxes on top of fragile items that might causes damages.

User **Directed Putaway**

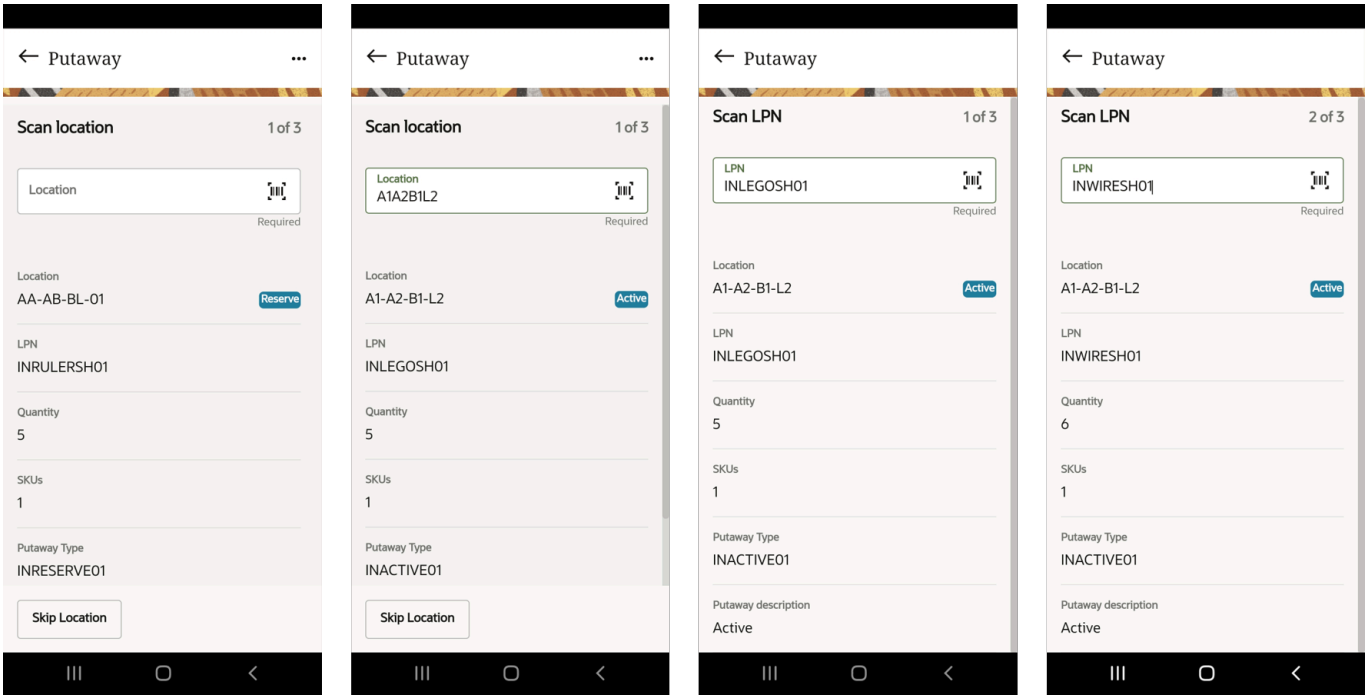
In user directed putaway, the Suggested Loading Sequence screen suggests the order you can load/stack LPNs to your putaway equipment.

If the toggle is disabled, the system will do putaway based on the calculated Putaway Location sequence. This optimizes organization of your inventory and will save you time during loading.

1. After you enter the LPNs, disable the toggle and continue to click **Next**. The Suggested location sequence screen appears.

   You either click **Next** to proceed with the suggested order or return back to the main screen and enable the toggle to reverse.

2. The location screen prompts you to scan the location. Here, the system picks the INRULERSH01 LPN to scan the location (AA-AB-BL-01) first based on the suggested sequence.



You can scan the location or skip the displayed location.

Skip Location: This button is available only in the Location screen. For example, you could use this button to skip a particular location - perhaps there is a spill - and continue to putaway other LPNs to their location. After putting away all the LPNs, the system loops back to the skipped location and prompts you to scan the location again.

3. Click **Skip Location** on the Scan Location screen to skip. The system takes you to the next Scan location screen.
4. Scan/enter the next location barcode for the LPN, here A1A2B1L2. The location details for the LPN is already displayed in the Location field.

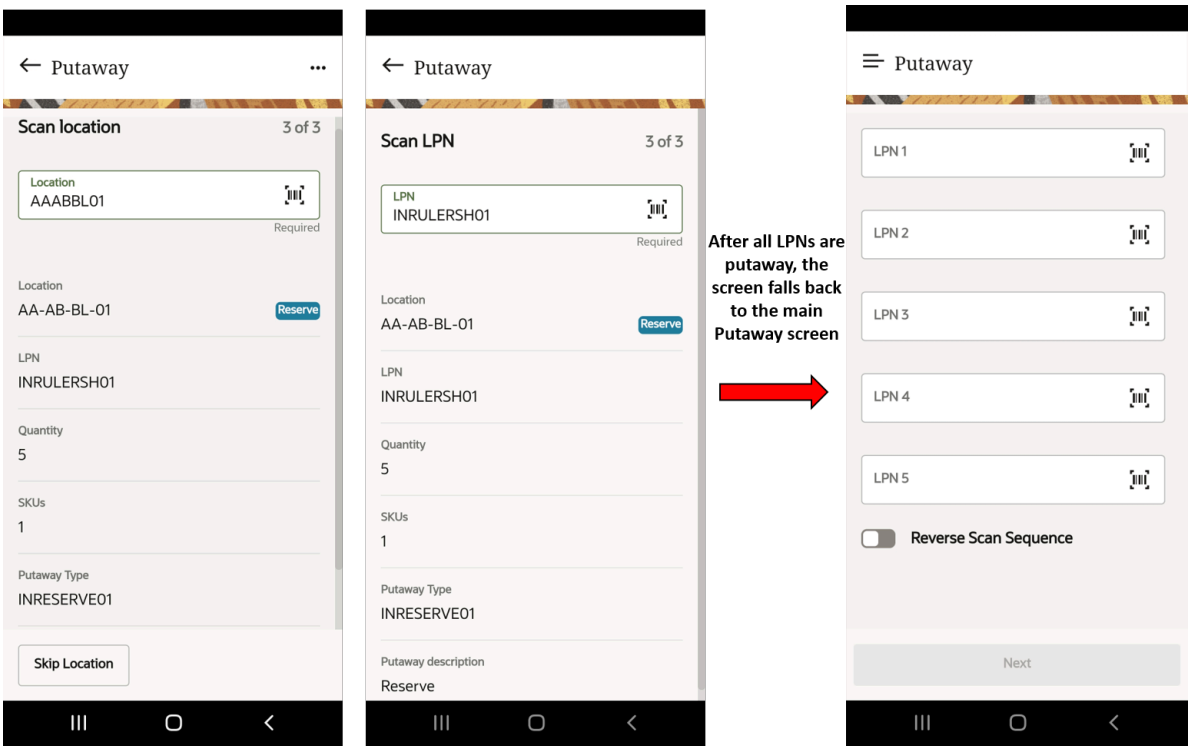
> **Note:** The LPN will be directed to the location based on location putaway sequence.

You can choose to Skip the location again or continue by clicking **Next**.

5. Scan/enter the LPN barcode in the **Scan LPN** screen.

The LPN detail is displayed in the LPN field. You can continue to scan as many LPNs as you want.

6. After scanning all the LPNs, the system returns back to the skipped location. Here, the system loops back to scan the location AAABBL01 for LPN-INRULERSH01.

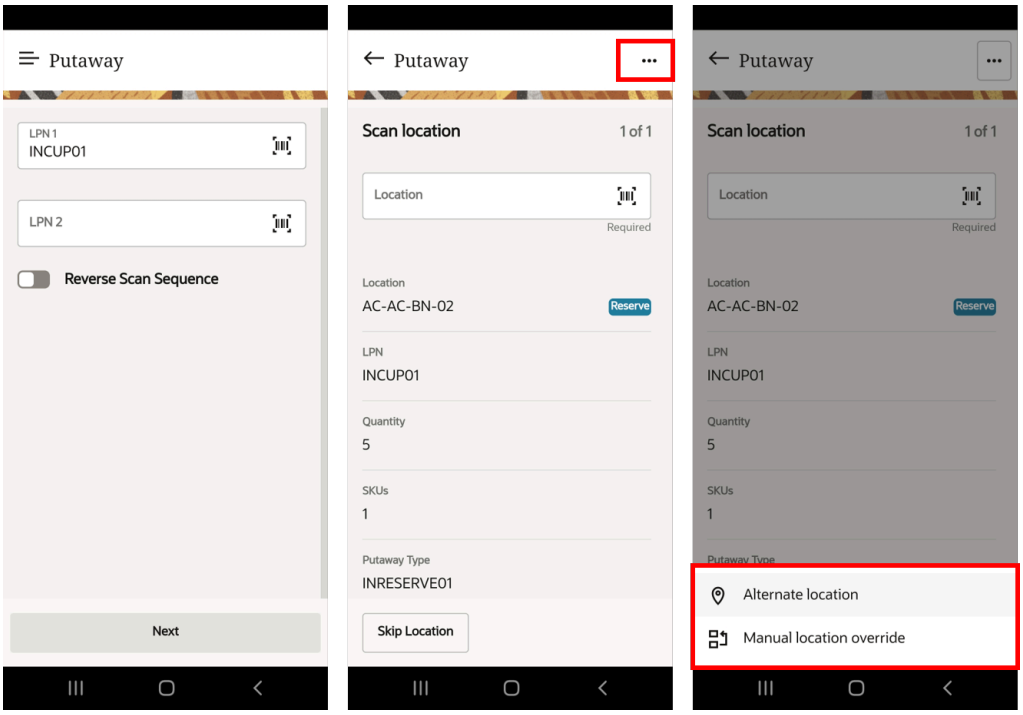


Overflow Menu Screen

The Putaway module also offers you the following two option in the overflow menu screen:

- **Alternative location**: This option will direct you to alternate locations based on the next putaway sequence.

- **Manual location override**: This option allows you to manually override and specify the location where you would like to putaway your inventory.
  a. Login to your Mobile App > tap Putaway module > Enter LPN.
  b. Click the icon (…) in the Scan location screen opens an overflow menu screen.



Alternate Location

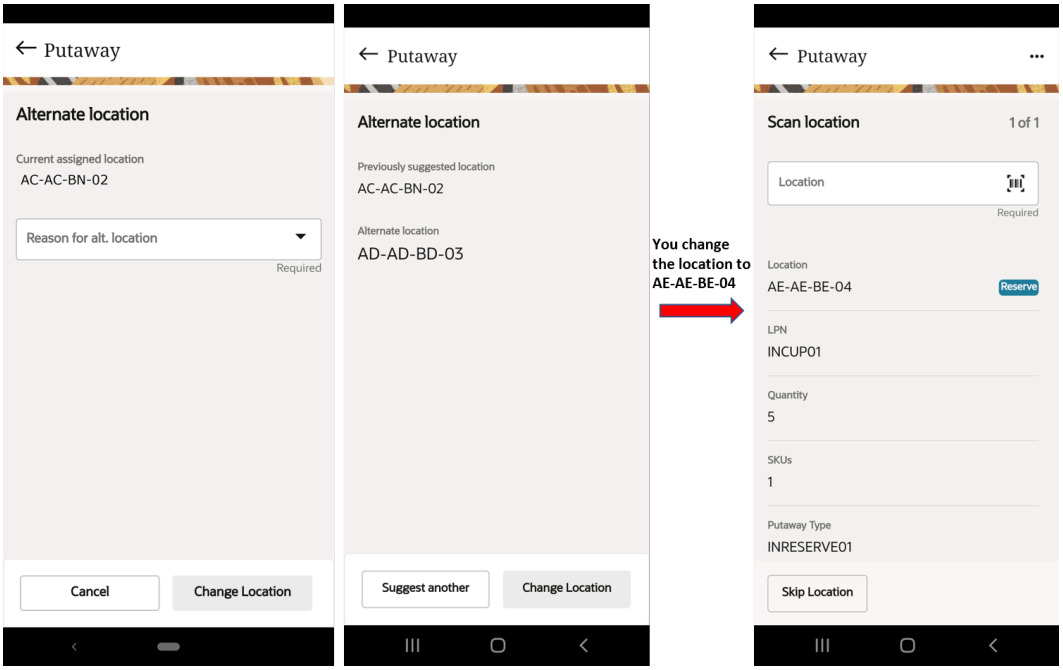
c. When you click **Alternate location** button, the Putaway Alternate location screen appears with current location and **Reason for Alt. Location** drop-down.

   In this screen, you can choose the reason code from the list and request for a change location. On confirming, the application records the reason code and keeps a track of the reason.

d. Click **Change Location**, the screen displays previously, and alternative location and the Suggest another button is enabled.

> **Note:** The application writes an IHT activity 'IHT-86- Alternate location Reason code'. If you tap **Cancel**, you will be directed to the Scan Location screen where the original location of the LPN ready for putaway is displayed. When you click **Alternate location** button, the Putaway Alternate location screen appears with current location.

e. You can click the **Suggest another** button to choose a different location. For example, AE-AE-BE-04 appears on the Alternative location. Click **Change location**.
f. The LPN's location will be updated in the Scan Location screen as shown below:

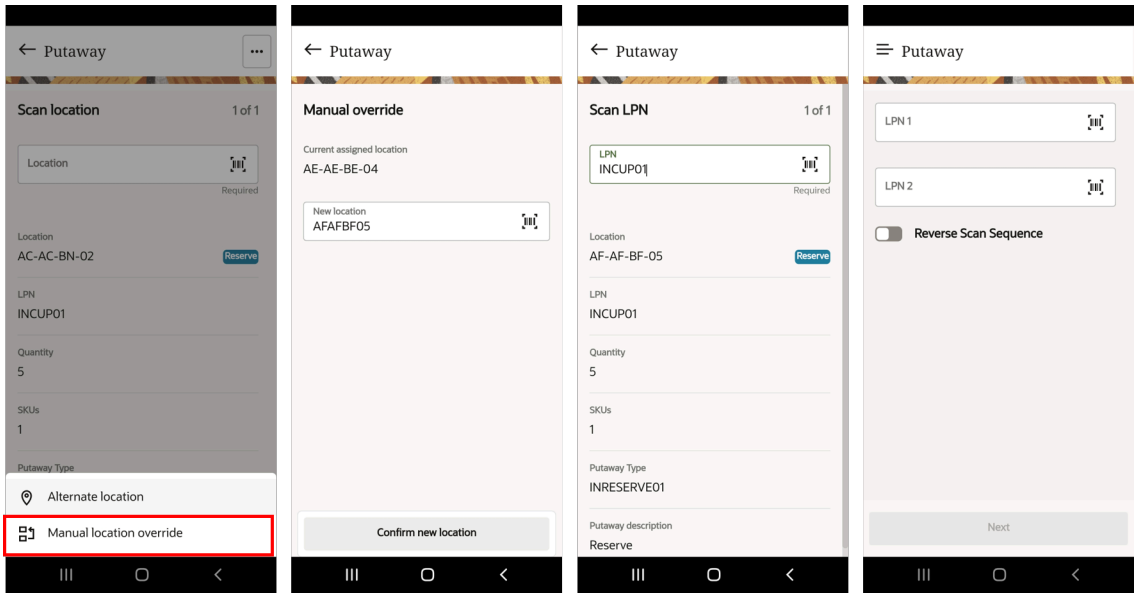


g. Scan the alternative location barcode and proceed to putaway the LPN.

Manual Location Override

You can manually override the location based on your preference and scan a new location to putaway your LPN.

a. Click on the icon (...) and select the Manual location override.
b. The Manual override screen appears and prompts you to enter or scan the new location.
c. Click the Confirm new location button to proceed.
d. The system updates the new location in the Scan LPN screen and proceeds to putaway the LPN.
e. After successful putaway, the screen routes you back to the main Putaway menu.



Cycle Count

A cycle count is one of the Inventory Management operations that allows you to count components of an inventory or an item in a specific location on a specified day.

Cycle count transactions will always consider to be in deferred mode for Mobile App irrespective if the company or facility parameter INVN_ADJ_APPROVAL_REQUIRED is set to YES or NO.

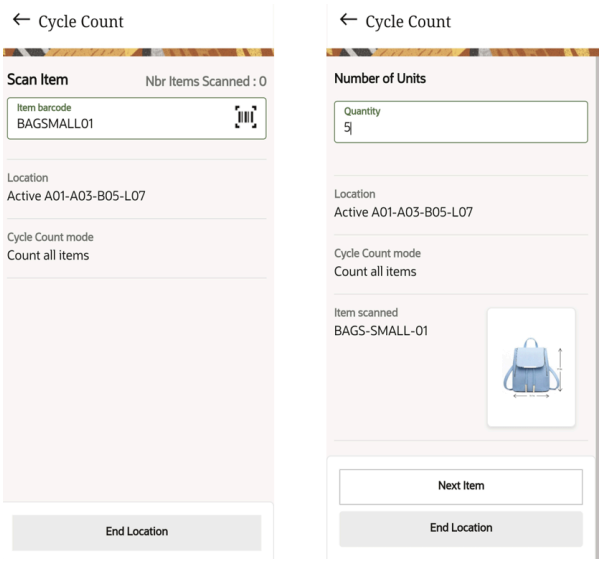
The Mobile App cycle count allows you to count for following location:

- Active Locations
- Reserve Locations

Active Location

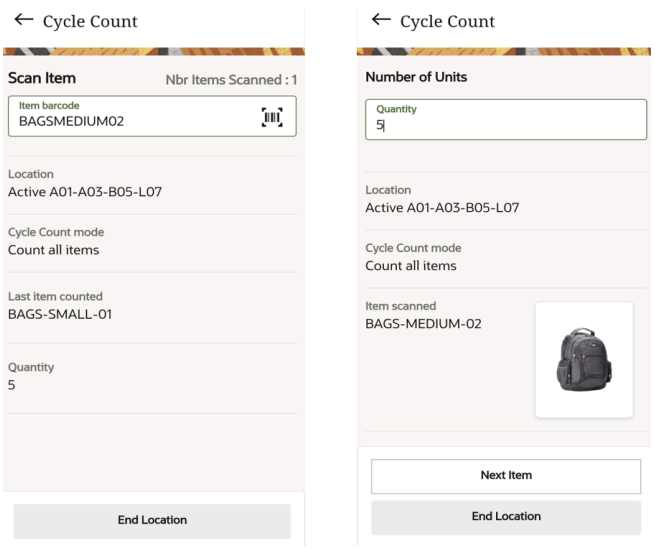
If you scan an active location in the location prompt screen. However, you must count all the items in the active location. If you don't scan an item that is currently in the location, the system will consider that this item is no longer in the location.

1. The Cycle Count main screen displays the Location screen:
2. Scan or enter the Active Location barcode. The screen takes you to scan items.
3. Enter the item barcode in the **Scan Item** screen.
4. Enter the quantity in the **Number of Units** screen. If you have more items to cycle count, tap **Next item** button. The application takes you to **Scan Item** screen.



Note: Currently, the cycle count transaction does not track attributes.

5. After you finish counting the items, tap **End Location** to end the cycle count. If you wish to continue scanning, enter the quantity in the Number of Units screen.



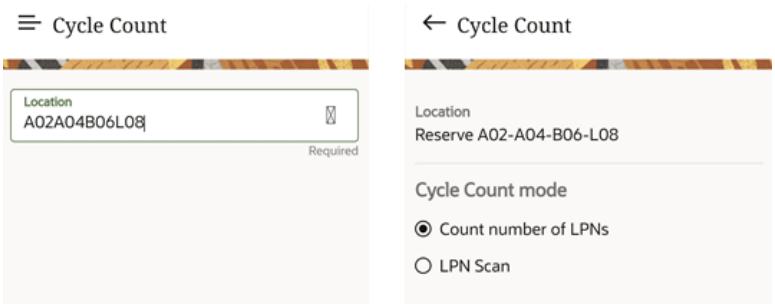
6. After the transaction is completed (cycle count transactions are deferred), the system writes a record in the CC adjustment UI where you can accept or reject the variance.

Reserve Location

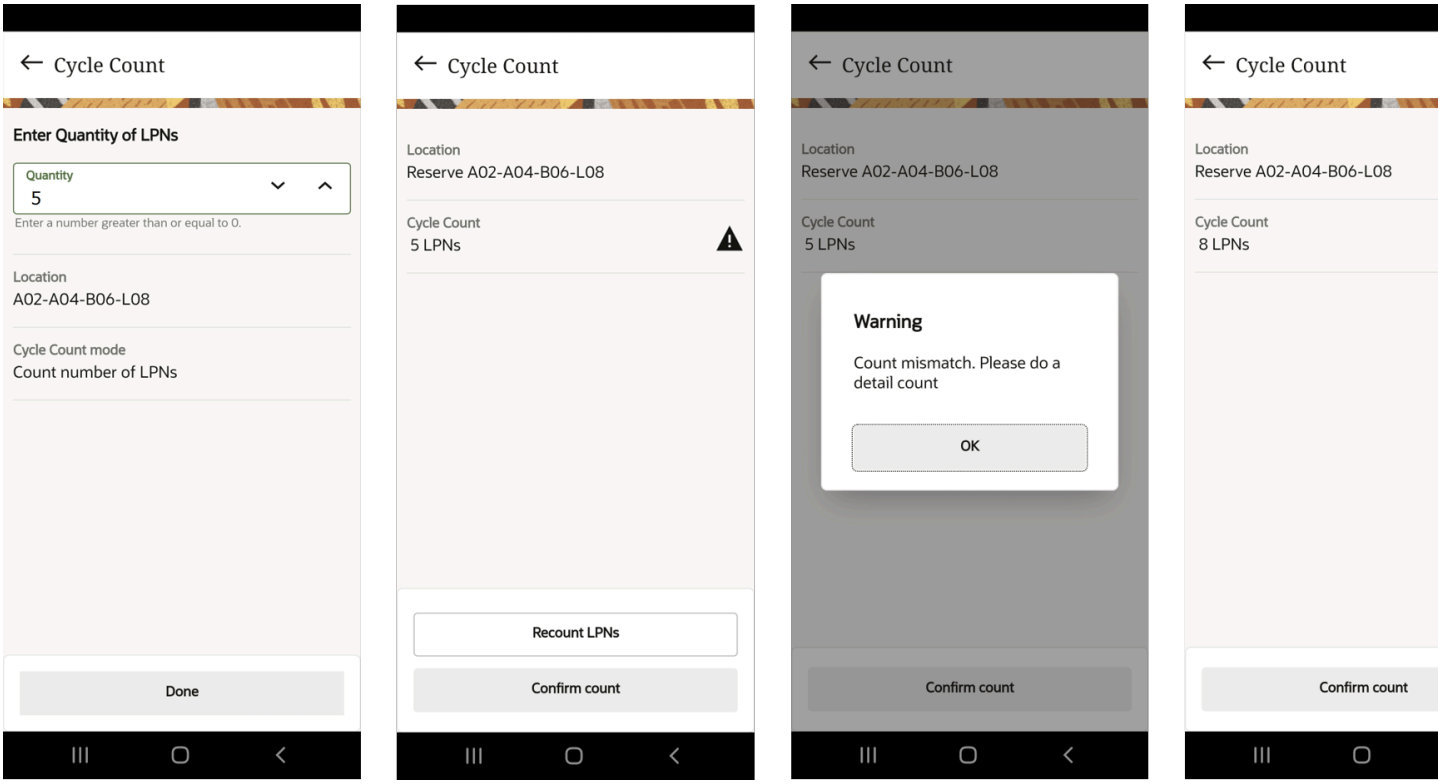
1. Scan or enter the Reserve location.
2. The system displays a Warning pop-up message. Tap Accept the message to continue or Cancel to discard.

Note: The warning message is displayed only for locations for inventory from an unverified shipments.

3. The Cycle Count mode screen appears with following two options:
   - Count numbers of LPNs
   - Scan LPN



4. When you select the **Count number of LPNs** radio button, the application displays the enter Quantity of LPNs screen.
5. You can manually enter the quantity or tap the decrement (v) or increment (^) icons to specify the quantity.

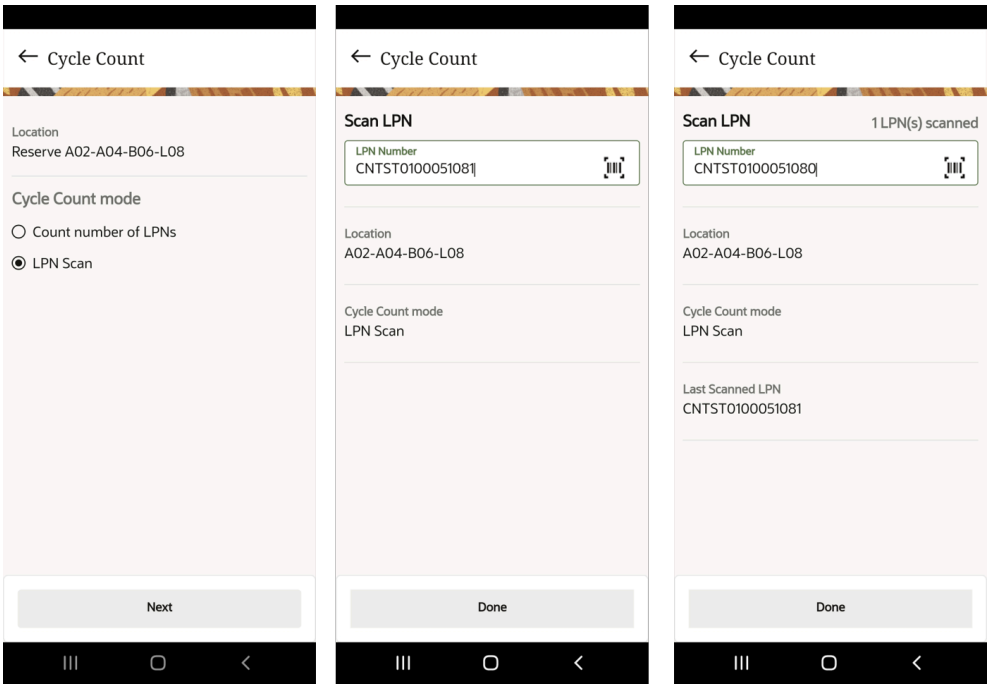


6. If the number of LPNs does not match with the actual count or if there are any discrepancies, the application displays a warning icon in the Cycle Count field.
   - If you tap **Confirm count**, the application displays a Count mismatch warning message.
   - If you tap **Recount LPNs**, the application takes you to scan the LPNs you see in the location. Just like if you have clicked on LPN scan mode.
   - If your count matches, the application displays a correct green icon in the Cycle Count field and the Confirm count button for your confirmation.
7. When you select the **LPN Scan** radio button, the application takes you to scan the LPN number.

8. You can continue to scan the next LPN in the Scan LPN screen.

   Note: The application displays the number of LPNs that are already scanned on the top right of the screen.

9. Once completed, tap **Done**.

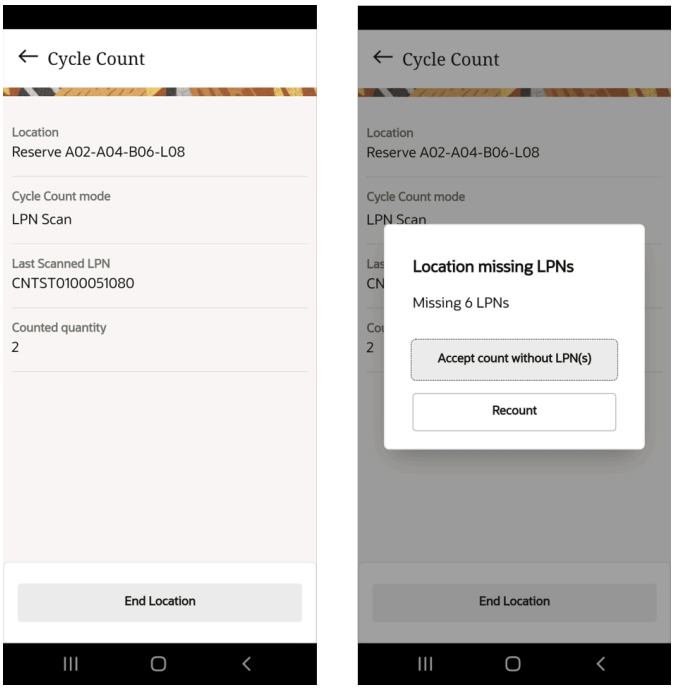


The summary screen will display Location counted, Cycle Count mode, Last Scanned LPN and Counted quantity (sum of scanned LPNs for the location).

10. Tap **End Location** to end the count for the location and writes **IHT 38 Reserve Location Cycle Count Complete** after completion of counting for a reserve location.

    If you don't scan the LPN, the application will display a message either for you to accept or recount if there are any missing LPNs.

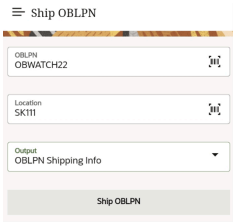
11. Tap **Accept count without LPN(s)** to complete the cycle count. Otherwise, tap **Recount** to scan the LPNs. The application routes you to the Scan LPN screen.



Ship OBLPN

You can ship the OBLPN that is packed via the Ship OBLPN module on the mobile app.

1. Go to the **Ship OBLPN** Module. The Ship OBLPN main screen opens.



2. Enter or scan the **OBLPN** number.
3. Enter or scan the **Location**.

> **Note:** You must provide the Shipping location type.

4. Choose the output interface type from the **Output** drop-down menu:
   - (None): No output will be generated.
   - IBLPN Inventory: Generates the IBLPN Inventory output file.
   - OBLPN Shipping Info: Generates the OBLPN Shipping Info file.

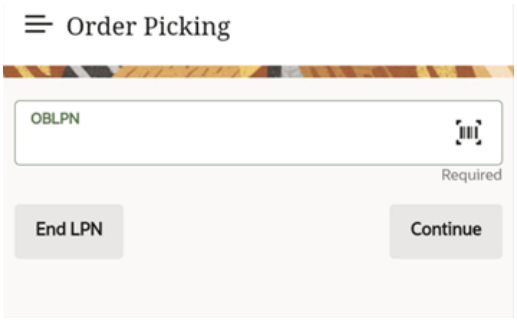
5. Tap **Ship OBLPN**. The status of the OBLPN changes from Packed to Shipped.

   You can download the generated output file for the OBLPN from the Output Interface UI.

Order Picking

The Oracle WMS Mobile app provides you the most convenient and easy way of order picking by scanning the barcode of the item. In this transaction, you are able to assign an OBLPN to a specific order.

1. Tap **Order Picking** module, the OBLPN main screen is displayed with two options.



To end an LPN, do the following:

1. Enter or scan the OBLPN and tap End LPN. The app opens a confirmation dialog box stating, "*Close OBLPN <OBLPN>?*".
   a. On tapping Yes, the OBLPN status is changed to Packed.

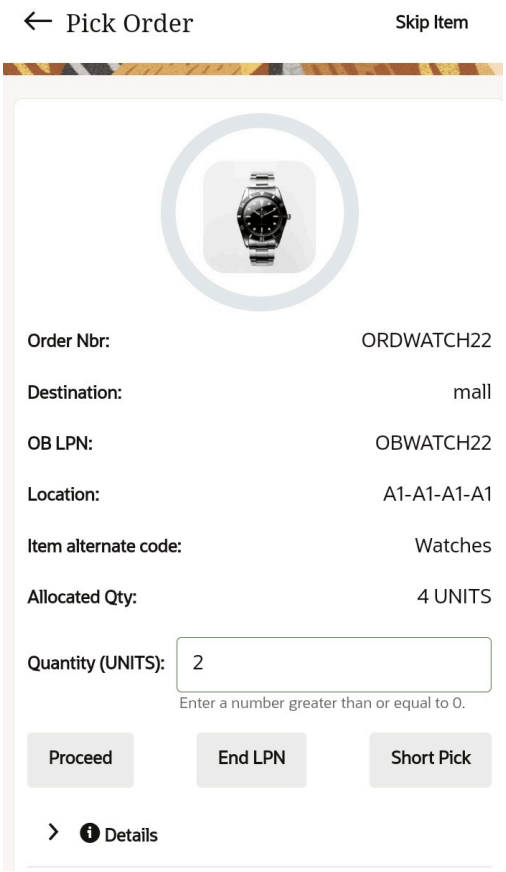
      Note: The status of the order changes if all the OBLPNs are packed.

   b. On tapping No, the app routes you to the OBLPN main screen.

To pick an order, complete the following steps:

1. Enter or scan the OBLPN and tap **Continue**.
2. Enter the order number (for ex. ORDWATCH22) in the Order Nbr field and tap **Continue**.

3. The **Pick Order** screen displays the inventory details with the allocated quantity.



Here, you have an option to pick the whole allocated quantity, or to pick less quantity than what is getting allocated. This will short the quantity picked.

4. Enter the number of units in the Quantity (UNITS) field to be picked for the OBLPN and tap Proceed. The app allocates the quantity and routes you back to the **Pick Order** screen until all the items are picked. After picking all the items, the app opens a pop-up window with the following options:

   a. On tapping Yes: Closes the OBLPN and the order status changes to Packed.
   b. On tapping No: Returns you back to OBLPN main screen and the order status changes to In-packing.

5. You can either choose to End LPN from **OBLPN** screen or from the **Pick Order** screen.The app allocates X-units (entered in the Quality field) to the OBLPN and closes the LPN with Packed status.
6. You can **Short Pick** in case there is a shortage, or the inventory is damaged. The app displays a dialogue box “Short Remaining Qty: x”. Proceed further?”.
   a. Yes: Shorts the allocated quantity. Here, the “x” number of units entered in the Quantity field is ignored.

> **Note:** The picked inventory gets packed into the OBLPN, and the shorted inventory goes to Cancelled status.

b. No: Aborts the Short Pick action and returns you to the Pick Order screen.