

Oracle Warehouse Management Cloud

Redwood Mobile WMS Guide

Release 26C



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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 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.

Share Your Feedback

We welcome your feedback about Oracle Warehouse Management. 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.

Note: Offline mode not currently supported. However, Redwood mobile is more resilient to wi-fi dead spots or network glitches than traditional RF.

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.

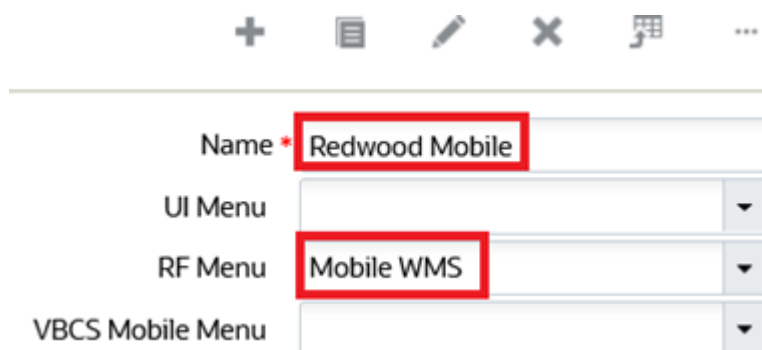
In the Group Menus page, if you want to use the Redwood Mobile Application, the VBCS Mobile Menu must be blank in the **Group** UI, and the RF menu must be defined.

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, at a minimum, access to two lgfapi permissions (lgfapi create access, lgfapi read access). If the user's role is ADMINISTRATOR, they will automatically get all permissions 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:

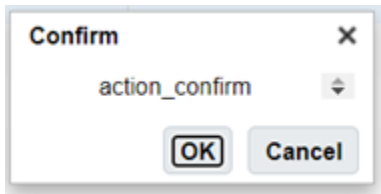
1. From the **Menu Configuration** UI, click the "+" icon button at the top right of the Menu UI screen.
2. To assign the Menu to the group, go to the **Group Configuration** UI > click the **RF Menu** > add the Menu here, and make sure VBCS Mobile Menu is empty. This can be done to an existing or a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



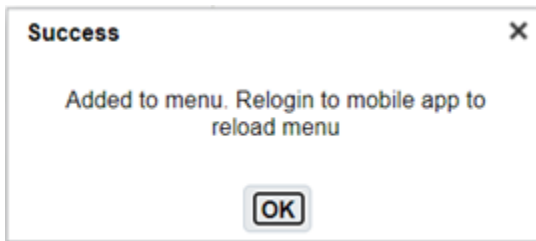
The screenshot shows the Menu Configuration UI. At the top, there is a toolbar with icons for adding (+), deleting (X), and other actions. Below the toolbar, there are four input fields:

- Name ***: A text input field containing "Redwood Mobile".
- UI Menu**: A dropdown menu.
- RF Menu**: A dropdown menu containing "Mobile WMS".
- VBCS Mobile Menu**: A dropdown menu.

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

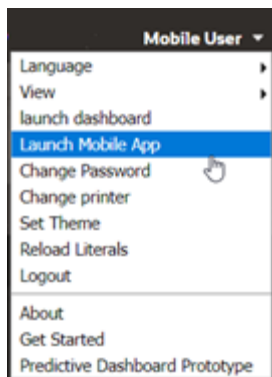
Installation

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:

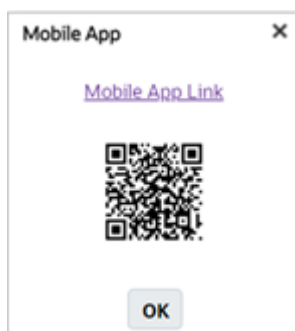
Note: You cannot switch environments from within the PWA as the URL for each environment is different. You will need to install a separate instance of PWA for each environment that you have. This will allow you to have a separate home screen icon for each of your environments, so that you can distinguish 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

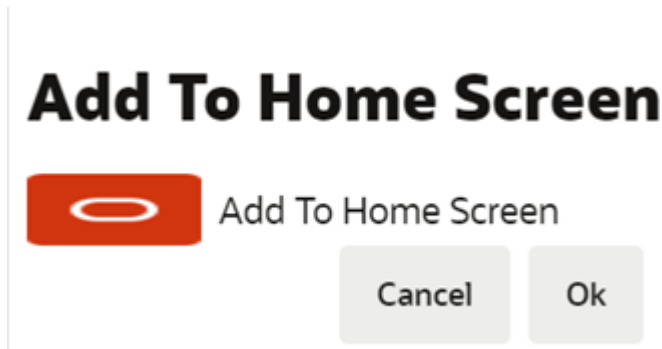
1. Launch the Oracle WMS Cloud environment.
2. Go to global settings drop down on the top-right pane of the application. Click **Launch Mobile App** option.



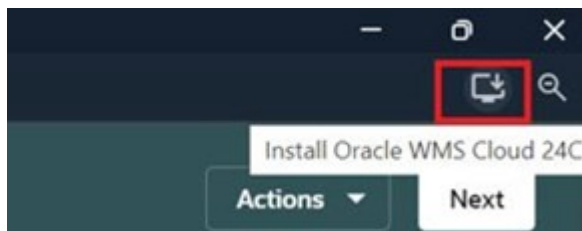
3. The system opens a Mobile App window consisting of “Mobile App Link” hyperlink or QR code for you to install on desktop or phone respectively.



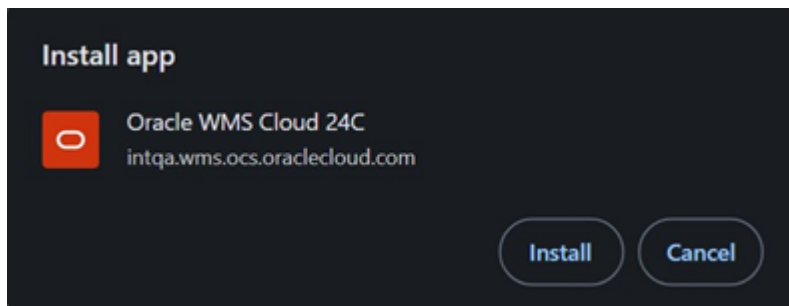
- Click the “Mobile App Link” hyperlink to open the PWA. The link opens the PWA application on a browser and prompts a “Add To Home Screen” window. You can click OK to install or cancel to abort.



- 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**.



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

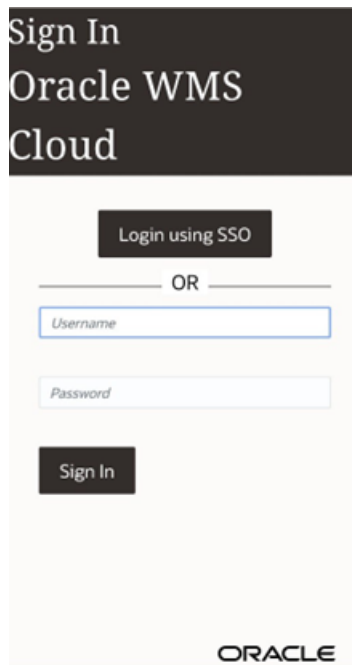
PWA on an Android and iOS Devices

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

Android

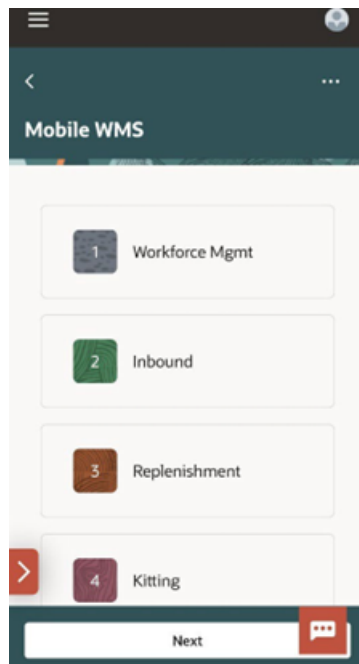
- The **Sign In** for Oracle WMS Cloud page opens.

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

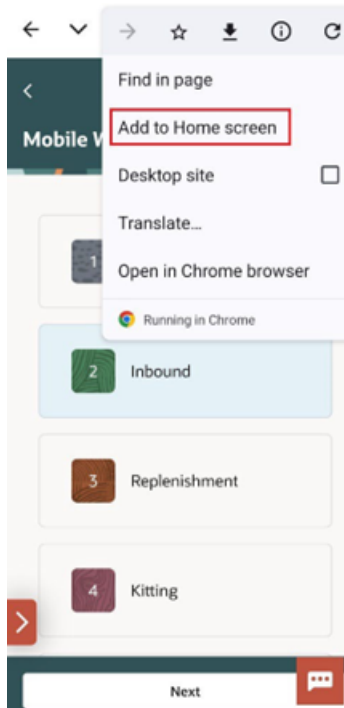


The image shows the 'Sign In Oracle WMS Cloud' login screen. It features a dark header with the text 'Sign In Oracle WMS Cloud'. Below the header, there is a 'Login using SSO' button. A horizontal line with the text 'OR' in the center separates this from the standard login fields. There are two input fields: 'Username' and 'Password'. Below these fields is a 'Sign In' button. The Oracle logo is at the bottom right of the screen.

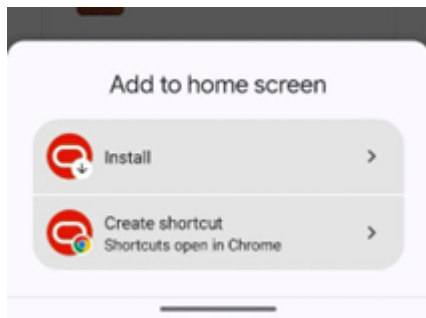
3. You can now view the list of modules in the homepage.



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

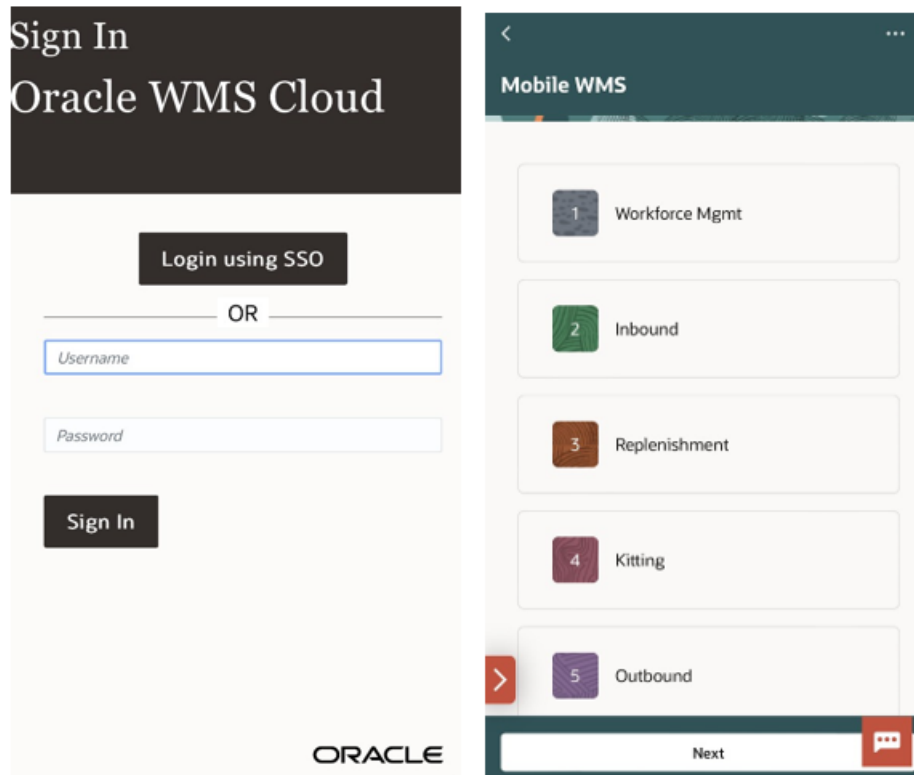
iOS

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

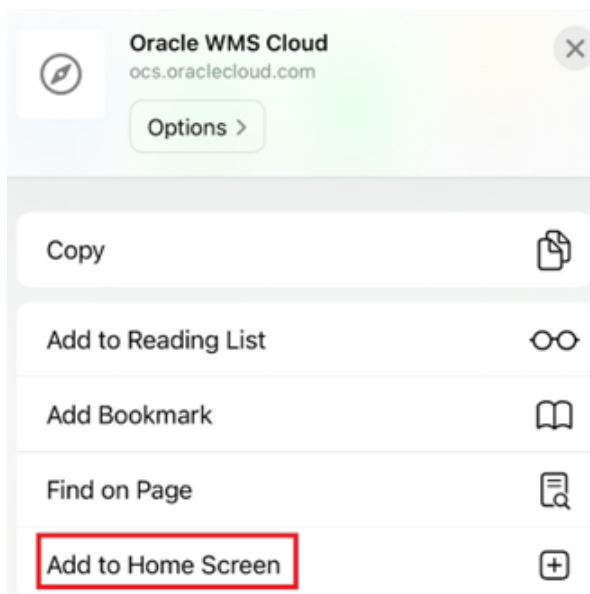
1. The **Sign In** for Oracle WMS Cloud page opens.
2. Enter valid credentials and click **SignIn**.

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

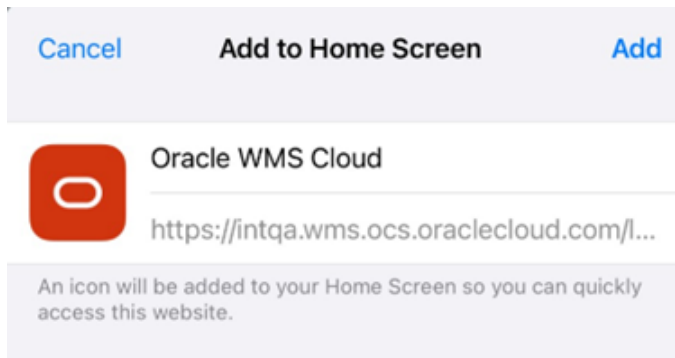
3. Click the **Upload** icon to install PWA on your iPhone.



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.

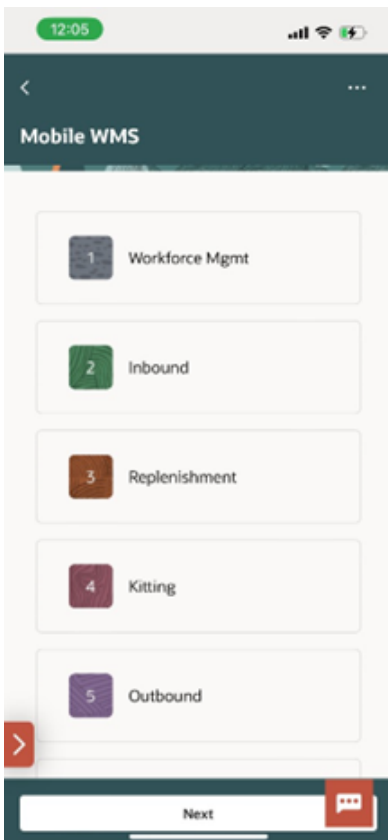
Look and Feel (Images display for items,etc)

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 through menus and transactions. You can select transactions and perform actions, allowing easier interaction with the application.

Flexible Navigation



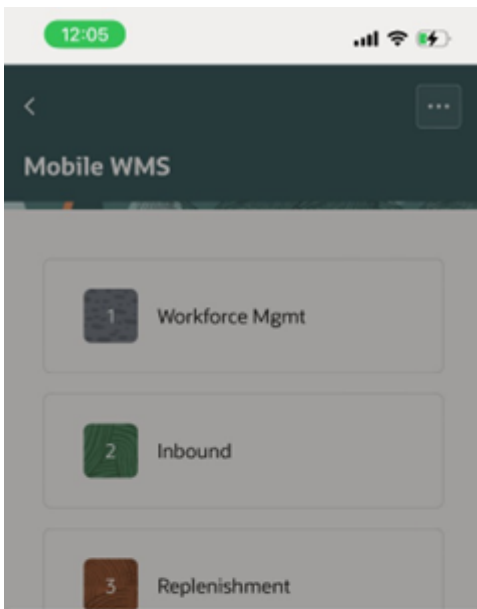
Redwood Mobile WMS menu's offer two ways to navigate, retaining compatibility with RF behavior while adding touch support:

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.



Ctrl-X: Exit App

Ctrl-W: Previous screen

Ctrl-L: Change Language

Ctrl-F: Change Facility

Ctrl-P: Change Default Printer

Ctrl-U: Page Up

Ctrl-D: Page Down

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.

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.

