

PORTFOLIO – PAACK WMS WORKFLOW

Crossdock inbound

Overview

Incoming event `cms1.v1.package.created` occurs with an order containing a number of parcels for next day.

In WMS, Package appears with **Orders Status** as *Draft* and with no history visible, meaning that that it hasn't gone through any processing.

Outcome

Upon successful completion, process should be able to continue to Last Mile inbound.

Actors

- WMS App (mobile) – Scanner

Checklist


- Connectivity checks
- Readable barcode

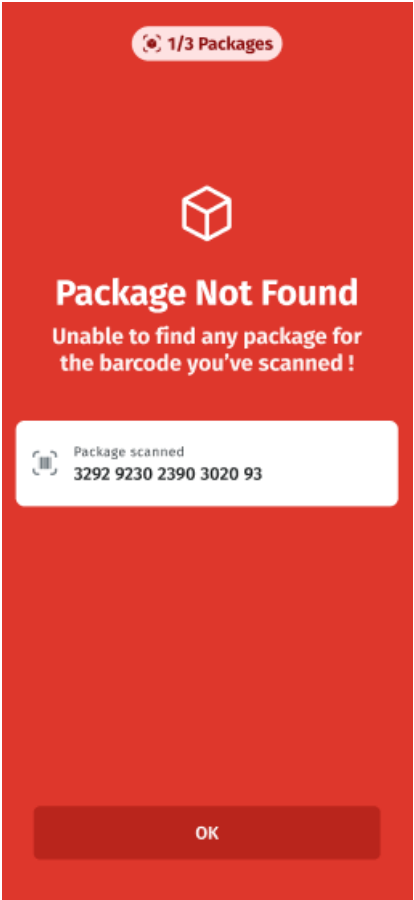
Steps

1. Check Destination

When tapping this option, user performs the initial scan to the package's barcode.

Validations

Conditions	Exception
Scan the package's barcode correctly.	<div>If not, the initial scan results in Please scan the package error.</div> <div><div>📦 1/3 Packages</div><div></div><div><div>Please scan the package</div><div>Looks like you just scanned the barcode for the space instead of the package.</div><div>OK</div></div></div>

Conditions	Exception
Package must exist.	<p>If not, the initial scan results in Package not found error</p> 

Event	Triggers	Consumed by	Performed by
wms.v1.package.not_found	Scan and Check destination	CMS	WMS

- Package must have a valid status. If not, any of following invalid statuses: **Picked up**, **Cancelled**, **Undelivered**, **Return In progress** will result in error.

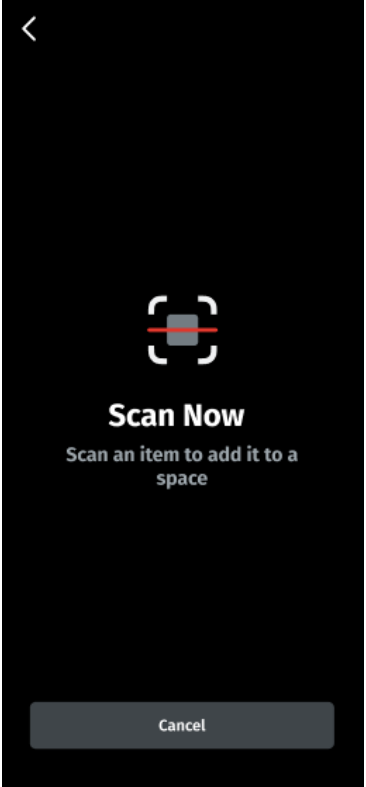
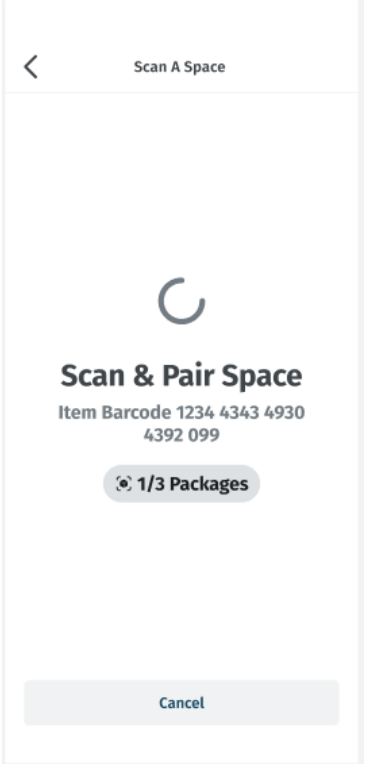
- Package must belong to a group. (Status: **Added To Group** in WMS **Event History**)
- Package must be in Paack coverage. If not, packages not covered by Paack move to national coverage i.e., Spanish Correos.

The interface suggests the space(s) where to pair the parcel.


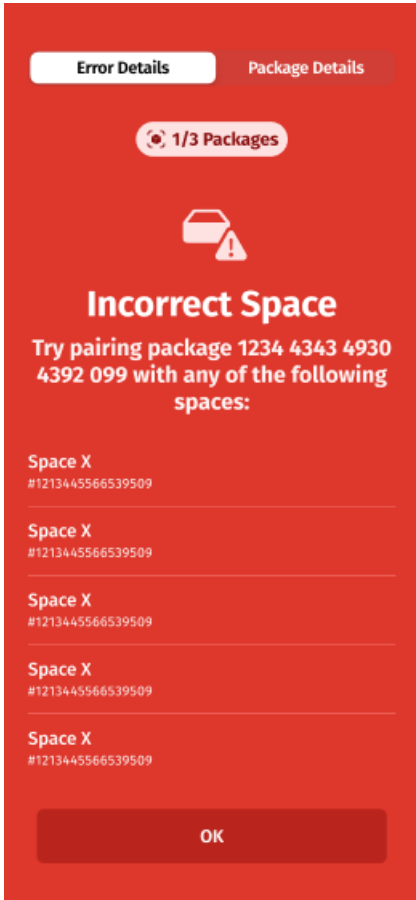
Event	Triggers	Consumed by	Performed by
wms.v1.package.scanned_at_cross_dock_warehouse	Parcel status is Package scanned (Package scanned at crossdock warehouse)	CMS	WMS

2. Move A Package

Through this function we pair parcels to their corresponding virtual spaces. The system will require first to scan the parcel's barcode, following with the barcode of the space to pair it with.

Step	Action	Screen
2.1	Tap Move a Package . When tapping this option, proceed to scan a package.	
2.2	The expected action is to <i>Scan A Space</i> . (One of the suggested physical spaces by the app).	

Validations

Conditions	Exception
Label to be scanned must belong to a space.	<p>If not, WMS App returns Invalid Space Barcode error screen.</p> 
Scanned space must correspond to the package's group.	<p>If not, WMS App returns Incorrect space error screen.</p> 

Once the user completes these two scans (parcel and space) it generates an API call that compares that the scanned space matches one of the suggested spaces.

Event	Triggers	Consumed by	Performed by
wms.v2.command_handler.pair.failed	Scan and Check destination	CMS	WMS
wms.v2.package.paired	Space Paired status in WMS Event History	CMS	WMS

When paired successfully:

- Assign pre-fleet and generate route in Route Management System.

Resources

See workflow in [Figma](#)