

Homares - Baggage Tracking System

Version 2.0

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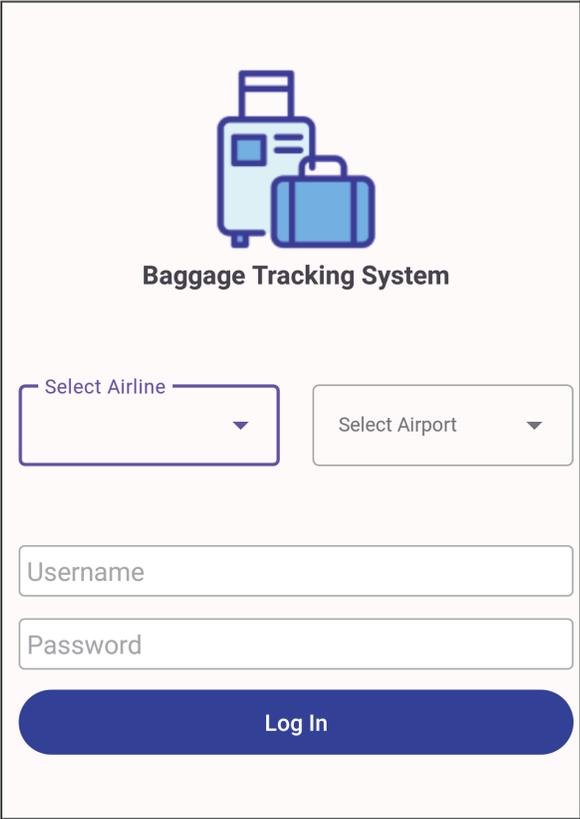
Baggage Tracking APP - Installation Process

Downloaded APK file needs to be transferred and installed to the Gun scanner using a proper way that is included in the Gun scanner user manual ([PM 450 User Manual](#)). After the installation a dedicated icon will be visible to the user to start the application.

Baggage Tracking APP

Start-up and Login

After the installation process, before starting the application, check whether the device has a working internet connection. Also “Users” need to be configured from the DCS application with required [privileges](#) , to be used in the login process. After checking and configuring the above, start the application to start the login process. In the Login page, users will be able to select the airline, the airport code and type-in the username and password to proceed with the login. After a successful login, a session will be created and if a session is inactive for 30 minutes then the session will automatically timeout.



Baggage Tracking System

Select Airline

Select Airport

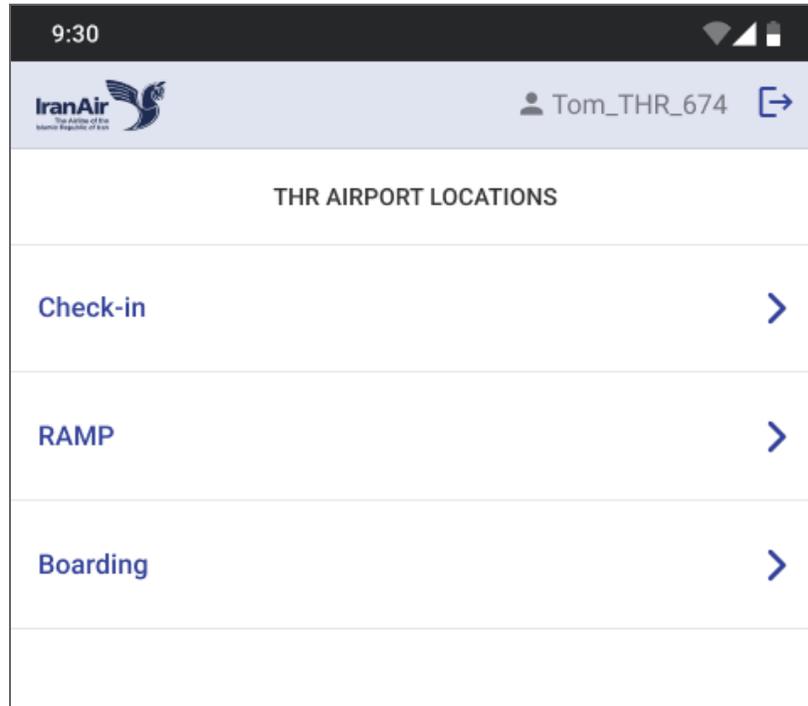
Username

Password

Log In

Tracking Location Selection

All the available baggage tracking locations for the logged in airport will be listed in the “Airport baggage locations Screen” after a successful login. Depending on the location where the user is handling the baggage, the user can select the location and proceed.



NOTE : These locations can be managed using “Airport Baggage Locations” in the DCS application.

Tracking Location Information

In the location information screen, users can add additional information. If the location is an aircraft loading location, users will be able to add the ULD code and the ULD serial number in addition to the remarks. ULD code and the ULD serial number can also be auto-filled by scanning the ULD barcode. A confirmation message will be displayed to the user to confirm the scanned data. Users will be able to confirm or reject after checking the scanned data. If similar data is scanned, a warning will be displayed to the user. After filling the additional information users can press on the “Start Scan” button to navigate to the Scan screen to begin the scan.

NOTE : These are optional fields. Can be changed as mandatory fields upon an airline request.

9:30

IranAir Tom_THR_674

CHECK-IN LOCATION INFORMATION

Remark

Start Scan

9:30

IranAir Tom_THR_674

RAMP LOCATION INFORMATION

Press 'SCAN' button on the device to scan ULD info

ULD Code ULD Serial

Remark

Start Scan

9:30

IranAir Tom_THR_674

RAMP LOCATION INFORMATION

Press 'SCAN' button on the device to scan ULD info

AKE 12345

Ren



ULD Barcode Detected!

Please confirm ULD barcode info : AKE/12345

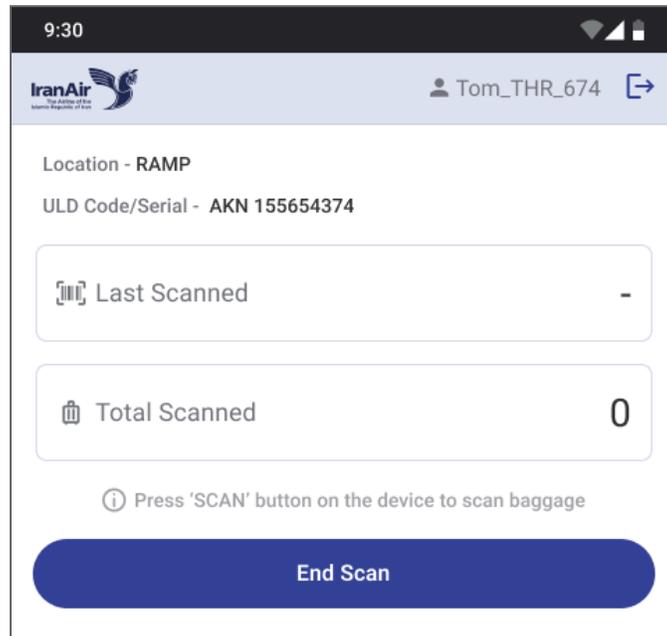
Confirm Cancel

Start Scan

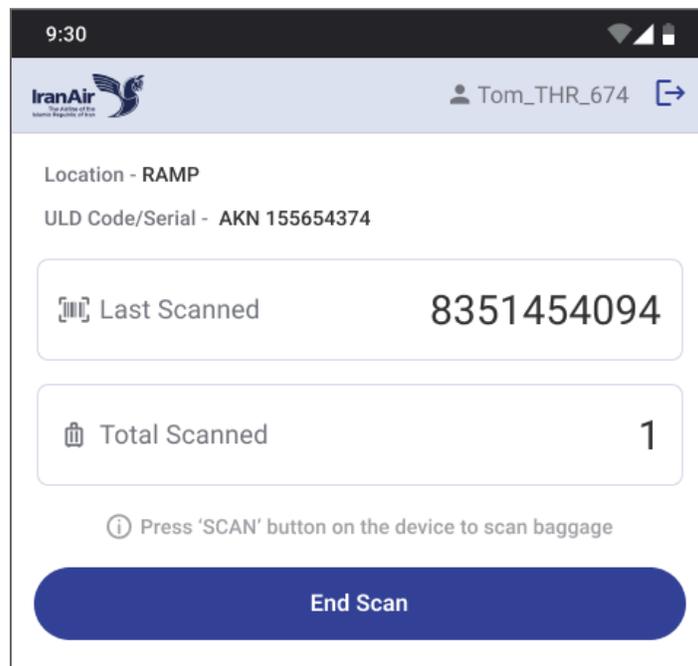
Scan Baggage

Selected main baggage location and ULD information (if available) will be displayed on the top section of the Scan screen. In the below section last scanned tag number and the total scanned tag count will be displayed. In the process of scanning, if only the scanning is successful, those values will get updated.

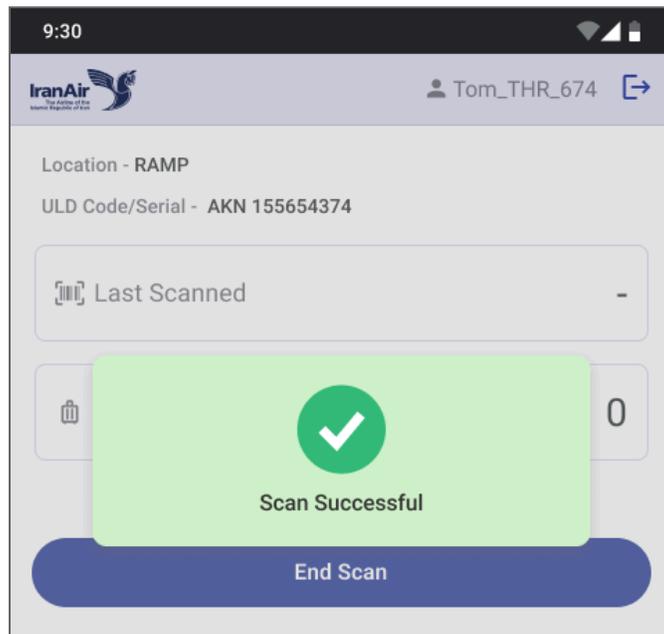
Before scanning, baggage screen will be displayed as follows,



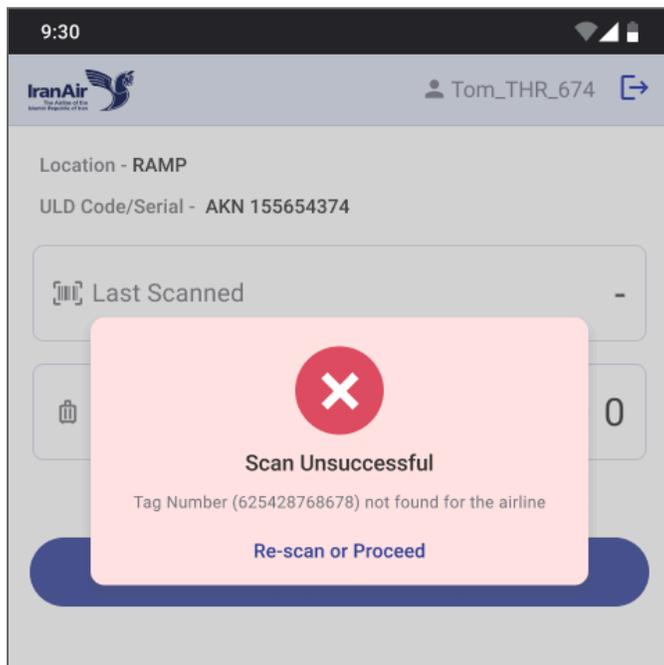
After a successful scan Last Scanned tag and Total scanned will be updated,



Users will be able to identify whether the scan was a successful scan or not with the alert dialogs. For a successful scan following dialog will be visible to the user,

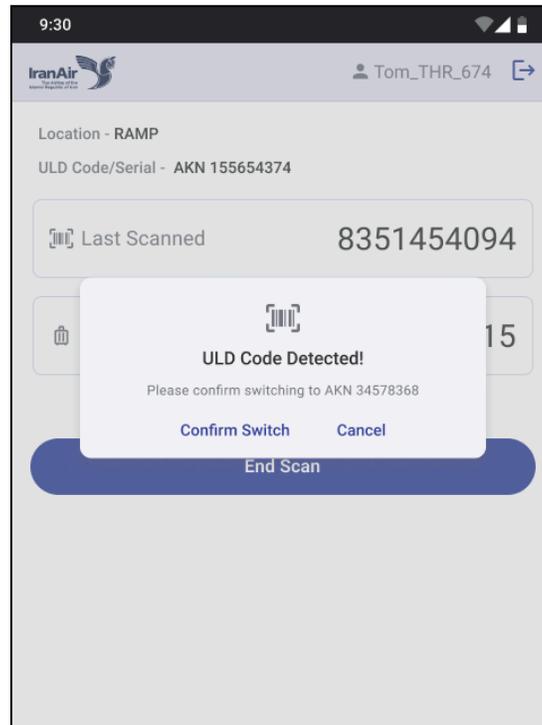


Otherwise following will be displayed with a proper error message,



When there's an error, the user should click on Re-scan or Proceed to continue the scanning process. After completing the scan, the user can press on the "End Scan" button to end the scan.

Also users will be able to switch to a new ULD only when the location is an aircraft loading location. To switch, the user needs to scan the respective ULD barcode and then a confirmation pop-up will be displayed to the user with the scanned ULD information.



If the user confirms then the **Last scanned tag number and the Scanned count will be reset** and the screen will be **updated with the latest ULD information**. If the user cancels, nothing will be changed on the screen and will be able to continue scanning baggage for the same ULD. If similar data is scanned, a warning will be displayed to the user and after confirming nothing will be changed on the screen and will be able to continue scanning baggage for the same ULD.

Scanned count and last scanned tag number **will be reset** in following scenarios,

- When clicked on the “End Scan“ button
- When navigated to a previous screen
- When user switched to a new ULD
- When the user logs out.

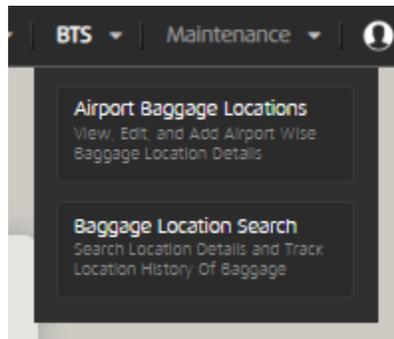
NOTE : Scanned information can be viewed by using the “Baggage Location Search” in the DCS application.

Navigation and Logout

To navigate within the application, users can use the device back button. And to logout from the application, users can click on the logout button which is next to the logged in user name.

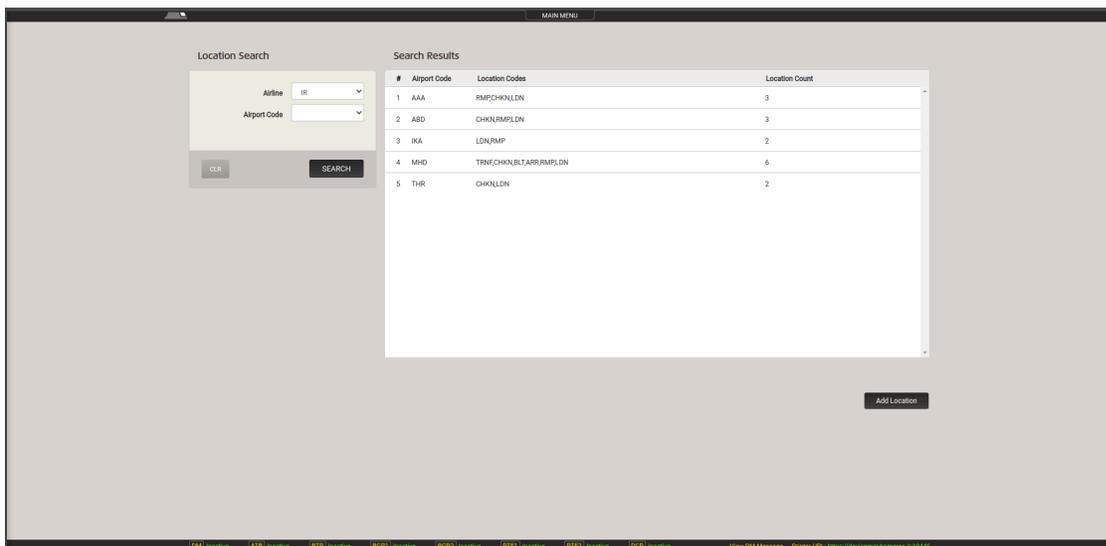
Baggage Tracking System - DCS

In the DCS application, a separate menu item is given for accessing the Baggage tracking related screens as follows.



Baggage Tracking Location Maintenance

Baggage tracking location maintenance screen can be used to maintain all the baggage tracking locations airport wise.



Locations can be added sequentially and a separate option is given to mark the location as a ramp location.

View Airport Baggage Locations

Airline: IR Airport Code: IKA

Airport Baggage Locations

[Add New Location](#)

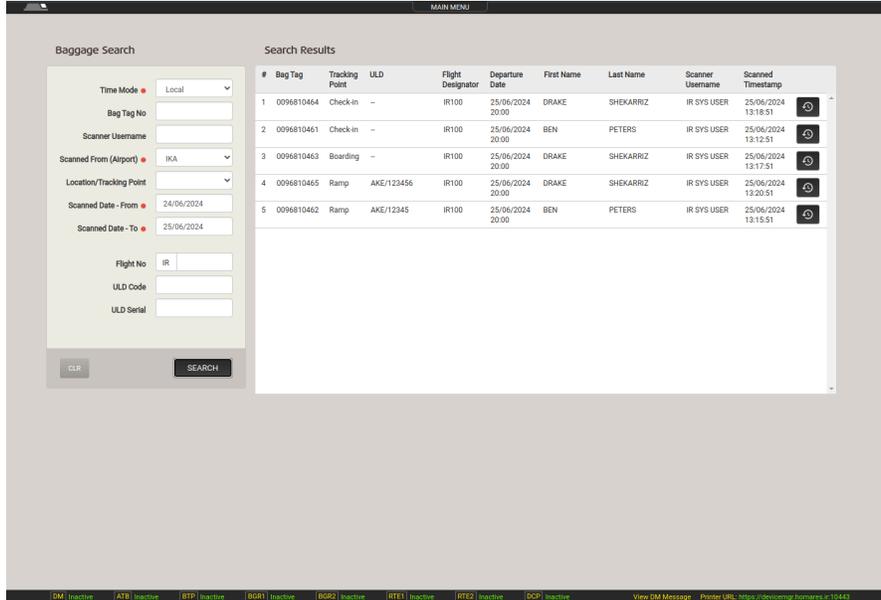
Location Code	Remark	Status	Sequence No.	Compartment / ULD Loading Location	
CHECK_IN		Active	1	<input type="checkbox"/>	<input type="checkbox"/>
BOARDING		Active	2	<input type="checkbox"/>	<input type="checkbox"/>
RAMP		Active	3	<input checked="" type="checkbox"/>	<input type="checkbox"/>

[Back](#) [Reset](#) [Edit](#) [Save](#)

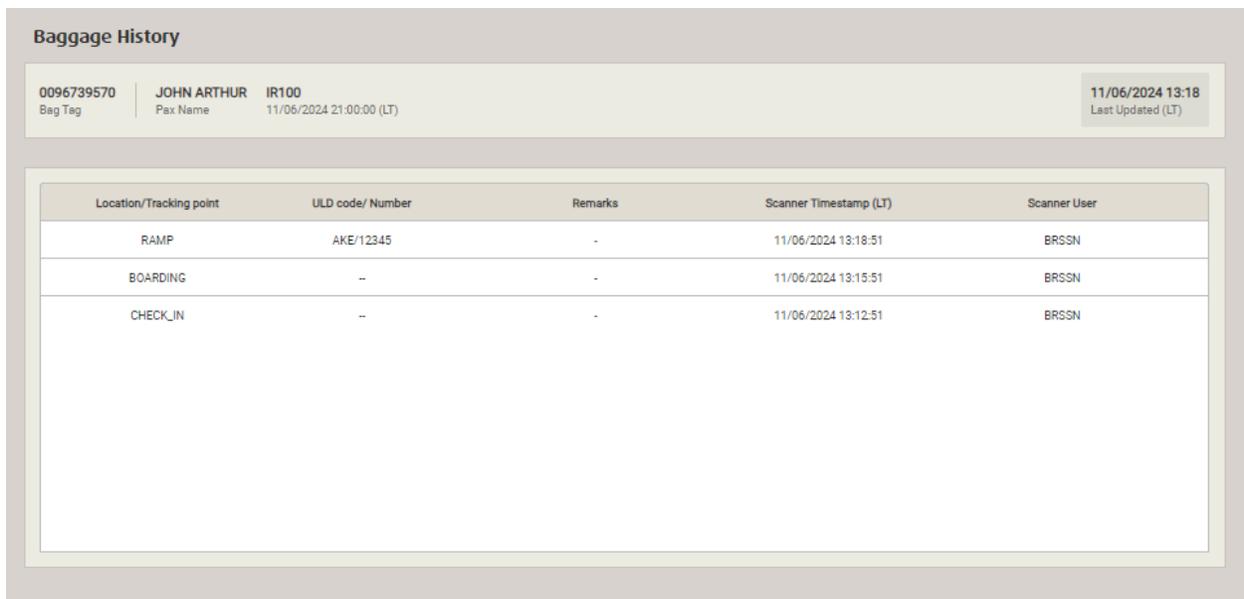
DM Inactive ATB Inactive BTP Inactive BGR1 Inactive BGR2 Inactive RTE1 Inactive RTE2 Inactive DCP Inactive View DM Message Printer URL: http://devicemgr.homares.ir:10443

Baggage Tracking History Search

All the scanned baggage information can be viewed using the Baggage location search screen. Multiple options are given to the users to filter the search results.

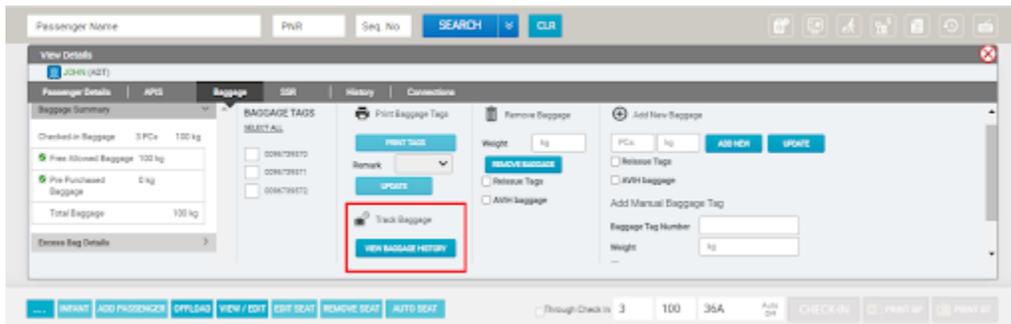


By clicking on the “Track Baggage” button users will be able to view the tracking information of the baggage.

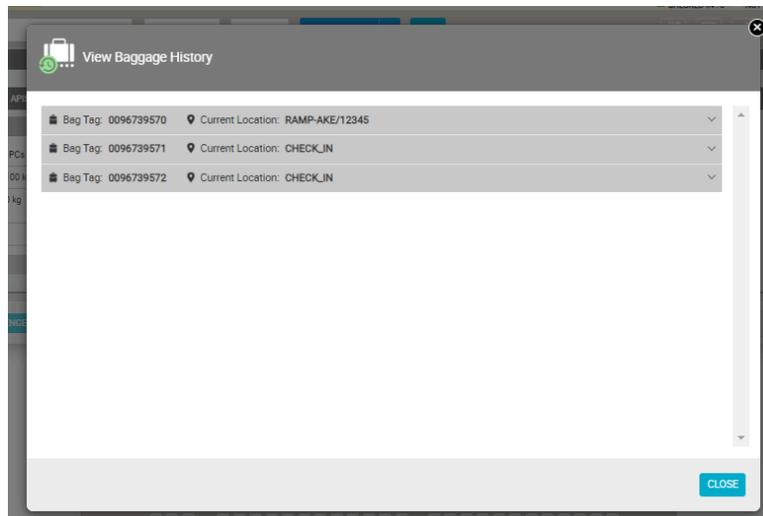


Baggage Tracking History per Passenger

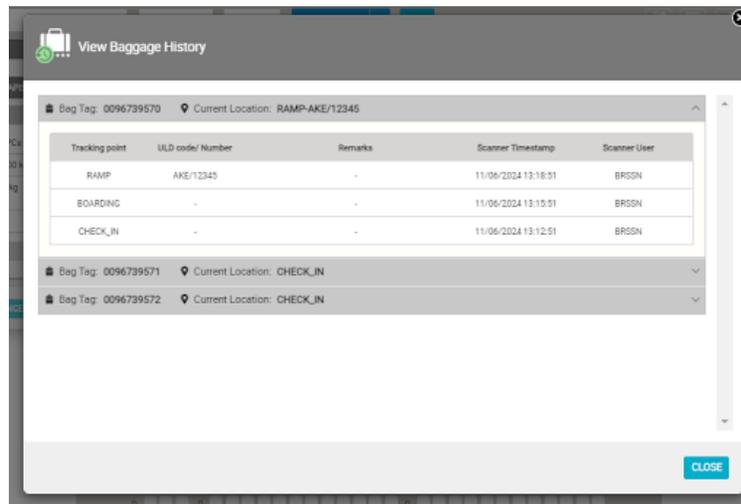
Users can view the baggage tracking information for a specific passenger via the check-in screen as well. For that user needs to navigate to the check-in screen and then need to select a passenger. Then click on the 'View/Edit' option. Then the user can navigate to the 'Baggage' tab. Inside the baggage tab a dedicated button will be displayed to the user as 'View Baggage History' to view the baggage tracking information for the passenger baggage.



In the pop-up the latest locations of all baggage will be displayed.

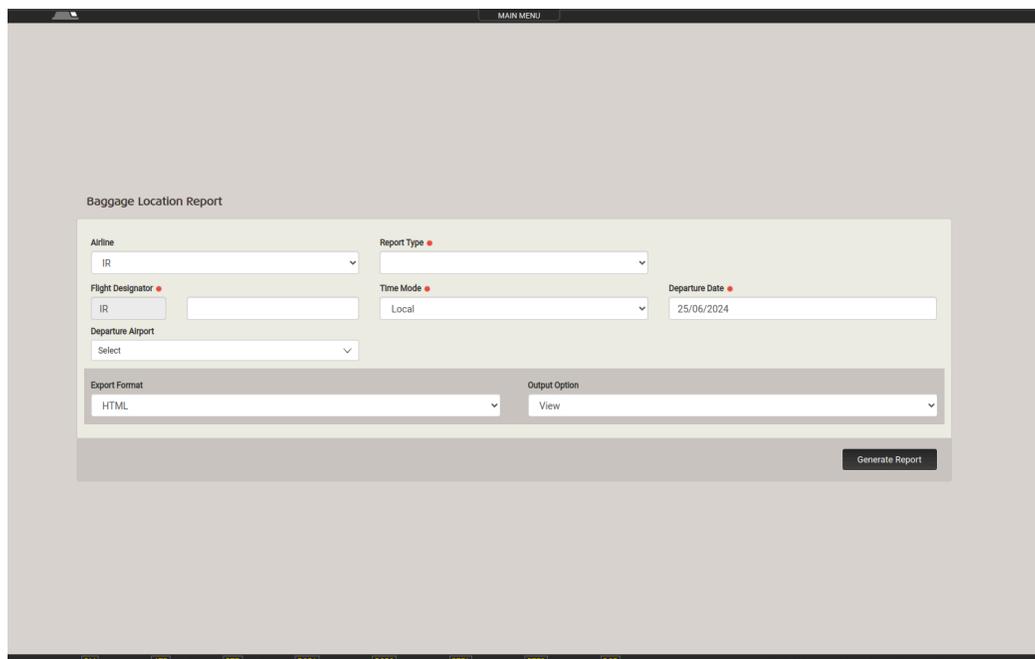


Users can click on the record to view all the tracked locations for that specific baggage.



Baggage Tracking History Reports

Reports can be generated, by clicking on the 'Baggage Location Report' menu item which is listed under the main menu 'Lists' option. Users will be able to generate two reports. Baggage Location Report and Baggage Location Summary report. ULD code and ULD serial filter criterias will be available for Baggage Location Report only.



- Baggage Location Summary Report,

Baggage Location Summary
✉️ 🖨️



Flight Number	IR100	From	IKA	To	AMS
Departure	08/07/2024 21:00 (LT)	Arrival	08/07/2024 23:00 (LT)	Aircraft	A310-300-J18Y188/EP-IBK

Baggage Checkpoints

Row Number	Checkpoint	Total Number of Baggage
1	CHECK_IN	2
2	RAMP	2

Baggage in ULDs

Row Number	ULD Info	Total Number of Baggage
1	AKE/12345	1
2	AKE/23456	1

Page 1 of 1

- Baggage Location Report,

Baggage Location Report
✉️ 🖨️



Flight Number	IR100	From	IKA	To	AMS
Departure	08/07/2024 21:00 (LT)	Arrival	08/07/2024 23:00 (LT)	Aircraft	A310-300-J18Y188 (EP-IBK)

Bag Tag	Tracking Point	ULD	First Name	Last Name	ET number	Scanned User	Scanned Time (LT)
0096740019	CHECK_IN		BEN	ARTHUR		BRSSN	02/07/2024 13:15:51
0096740020	RAMP	AKE/12345	BEN	ARTHUR		BRSSN	02/07/2024 13:16:51
0096740106	CHECK_IN		JOHN	ALHASAN		BRSSN	04/07/2024 13:17:51
0096740105	RAMP	AKE/23456	JOHN	ALHASAN		BRSSN	04/07/2024 13:15:51

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Both reports have the following options,

- HTML export format - View output option
- PDF export format - View, Download, Email output options
- CSV export format - Download, Email output options

Required Privileges

Operation	Privilege Category	Privilege
Mobile Application Related Privileges		
To access the mobile application	BRS	Scan bag tags using BRS.
Airport Baggage Location Maintenance Related Privileges		
To search Airport baggage locations	MAINTENANCE	Search Airport Baggage Locations
To view Airport baggage locations	MAINTENANCE	View Baggage Location Details of an Airport
To add Airport baggage locations	MAINTENANCE	Add New Airport Baggage Location
To delete all baggage locations for an airport	MAINTENANCE	Delete All Baggage Locations Of An Airport
Pax Baggage Location Search Related Privileges		
To search pax baggage locations	MAINTENANCE	Search Pax Baggage Locations
View Pax Baggage Location History via baggage tab (Check-in screen) Related Privileges		
To view the latest location or tracking history of the baggage via check-in screen for a specific passenger using baggage tab.	BRS	View baggage location history via check-in screen
Generate Baggage Location related reports		
To generate baggage location related reports	REPORT	View baggage location history report