



# ERP-712 Mobility-Central Functions - Mobile Admin app

<b>Status</b>	Approved
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<b>Jira Request ID</b>	 ERP-406 - Jira project doesn't exist or you don't have permission to view it.
<b>Jira Development ID</b>	 ERP-712 - Jira project doesn't exist or you don't have permission to view it.

## High- Level Specification

Parameter	Value
<b>Application System</b>	SAP S4/HANA SyWay
<b>Business Process Reference</b>	04.06 Manage Production Execution 06.10 Manage Inventory and Logistics 06.11 Manage Warehouse and Logistics 06.12 Manage Transportation

## Functional Overview

The Mobile Admin app will display the relevant user organizational settings, allow the user to change settings and allow the user to see the postings made from all mobile apps in the Logistics Mobility Solution.

The tile will show the plant of the user and, when the plant has EWM, the EWM Warehouse number, EWM Resource, EWM Resource Group and EWM Queue of the user.

Within the app, the following options will be available:

- Set/Change user plant parameter (WRK)
- List today's posting messages from Logistics Mobility Solution mobile apps postings made by user
- Set/Change EWM resource
- Change EWM resource group
- Set/Change EWM queue

## Scope and Objectives

This Admin app lets the user see the currently selected user settings for the Logistics Mobility Solution and allows these settings to be changed. The app will also allow the user to see all the postings that have been made from the Logistics Mobility Apps.

The Logistics Mobility Solution is mandatory for all Syensqo plants that manage stock. 3PL Plants that have direct system access can also use the Logistics Mobility solution.

## Process Flow Diagram

Not applicable. The Central Functions Mobile Admin app will be used by all users of the Logistics Mobility Solution.

## Assumptions

Each plant using EWM will only have one EWM warehouse.

## Dependencies

None

## Security, Integrity and Controls

To start this app, the user must have display access for the selected plant. Check object M\_MSEG\_WMB for Activity 03 and the selected plant. If no access, show the message "No authorization for plant <9999>".

## Configuration Requirements

None

## Language Requirements

This app will be available in all SyWay languages.

## Special Requirements

None.

## Design Rationale

### Functional Requirements

#### Admin App Tile

The tile for the Admin app will show the relevant parameter details for the user: Plant number and description, EWM Warehouse, EWM Resource, EWM Resource Group and EWM Warehouse Queue.

If the plant is not relevant for EWM then only the plant number and name will show on the Admin app tile.

See the Application Screens section for examples.

At the time of first logon for a user, if the user does not already have a plant parameter value, the plant on the app tile will show "<To be set>". The user must choose the required plant in the option "Set/Change Plant".

#### Admin App Start Screen

On starting the Admin app, the user will see their current parameters at the top of the screen and buttons allowing the applicable parameters to be changed and a button to allow the postings to be reported.

If the plant is not relevant for EWM then the only parameter option is to change the plant itself.

If the plant is relevant for EWM then there are also options to Set/Change the EWM Resource, the EWM Resource Group and the EQM Queue.

See the Application Screens section for examples.

EWM parameter changes will be made in the same way as available in the standard SAP Mobile Data Entry transaction for EWM.

#### Set/Change Plant

When choosing this option, the screen will show the current plant of the user and a field to allow the user to choose a new plant.

The user will be prompted to choose a plant from a drop down list that shows all Syensqo plants.

The plant of the user will be stored using the standard SAP Parameter ID WRK.

At the time of first logon for a user, if the user does not already have a plant parameter value, the plant on the app tile will show "<To be set>". The user must choose the required plant in the option "Set/Change Plant".

When the user selects a new plant, the user must have display access for the plant. Check object M\_MSEG\_WMB for Activity 03 and the selected plant. If no access, show the message "No authorization for plant <9999>".

## **View Postings**

All postings made from Logistics Mobility Solution apps will be stored in a custom table, as described in the functional specification ERP-1003 Central Functions - General.

This View Postings option will list all the postings made by the user for today's date, sorted by time descending.

All the fields stored in the custom table will be shown: App name, plant, warehouse, document, userid, date, time, SAP message type, SAP message.

Filters will allow the user to filter by App name, plant and SAP Message Type (e.g. to show only errors).

A date field (defaulted to today's date) can be changed to dates in the past, to allow the user to see older postings if needed.

## **Set/Change EWM Resource**

When choosing this option, the screen will show the current EWM resource and a field to allow the user to change to a new resource from a drop-down list.

When changing resources, first a logoff event needs to be posted for the current resource, followed by a login event for the new resource.

To log off a user from a resource, you use the http method `POST` to call the `LogoffFromWarehouseResource` function import and update the `WarehouseResource` entity.

To log on a user to a resource, you use the http method `POST` to call the `LogonToWarehouseResource` function import and update the status of the `WarehouseResource` entity.

## **Set/Change EWM Group (Resource Group)**

When choosing this option, the screen will show the current EWM resource group and a field to allow the user to change to a new resource group from a drop-down list.

The post the EWM Resource Group change, use the standard SAP Mobile Data Entry app for reference.

Transaction /SCWM/RFUI. Menu: 05 Internal Processes / 05 Resource Management / 02 Change Resource Group.

## **Set/Change EWM Queue**

When choosing this option, the screen will show the current EWM Queue and a field to allow the user to choose to change to a new Queue from a drop-down list.

The post the EWM queue change, use the standard SAP Mobile Data Entry app for reference.

Transaction /SCWM/RFUI. Menu: 05 Internal Processes / 05 Resource Management / 01 Change Queue

## **Recommended UI Technology**

This app will be developed using Neptune DXP Open Edition.

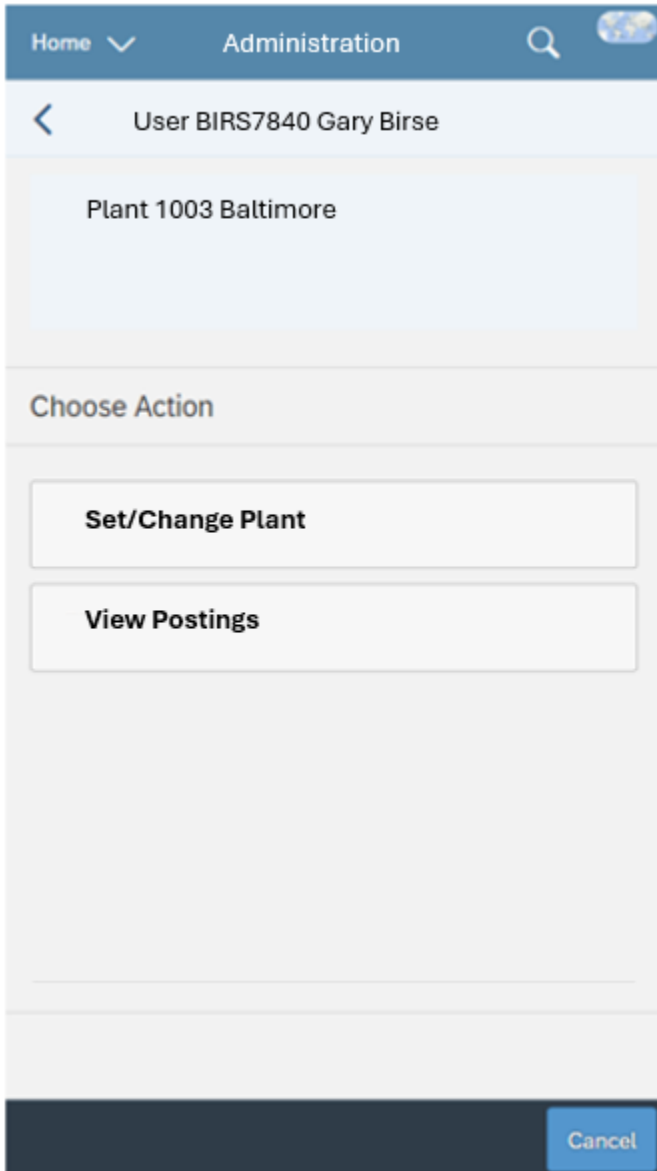
## **Application Screen**

### **Wireframe or Mock-Up**

App tile for plant without EWM



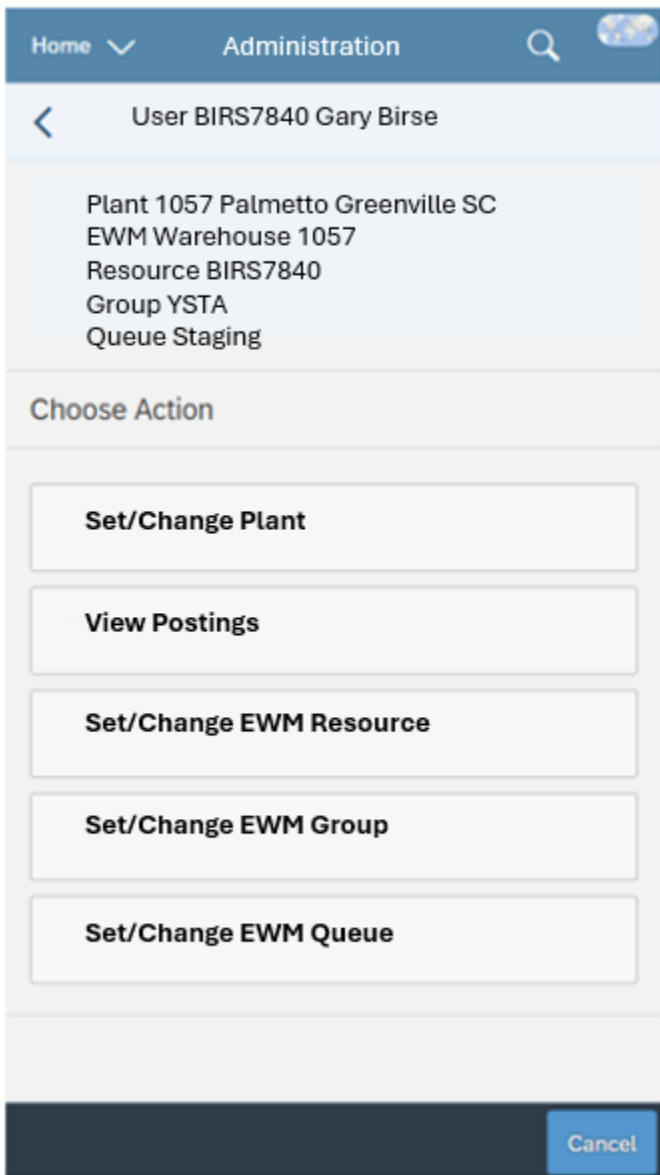
App start screen for plant without EWM



App tile for plant with EWM



App start screen for plant with EWM



### Screen Behavior

No special behavior required.

## Screen Navigation

Within the app, there will be different buttons for each of the options available.

## Data Integration

Field	Table-Field Name	Comments / Calculation / Field Manipulation / Input / Output / Validation rule / Value help
Plant	USR05-PARVA	Record for userid and parameter ID WRK.
EWM Warehouse	/SCWM /TMAPWHNUM- WHNUMWME	For the plant of the user, check for records in table T320. For the first record found use the WM warehouse T320-LGNUM to search for a record in table /SCWM/TMAPWHNUM where field WHNUMERP = T320-LGNUM.  For the first record found, the EWM warehouse is /SCWM/TMAPWHNUM-WHNUMWME. In the SyWay design each plant will have a maximum of one EWM warehouse.  Where no EWM warehouse is found for the plant, then the plant is not relevant for EWM.
EWM Resource	/SCWM/V_RSRC- RSRC	All resources for the EWM warehouse, for the drop down list in the option to Set/Change EWM Resource.  At the time of logon, if there is a resource default for the user in table /SCWM/V_USER-RSRC, then this is the initial EWM Resource for the user.
EWM Group	/SCWM /V_RSRC_G- RSRC_GRP	All resource groups for the EWM warehouse, for the drop down list in the option to Set/Change EWM Group.  At the time of logon, if there is a resource group default for the user's EWM Resource in table /SCWM/V_RSRC-RSRC_GRP, then this is the initial resource group for the user.
EWM Queue	/SCWM/V_T346- QUEUE	All queues for the EWM warehouse, for the drop down list in the option to Set/Change EWM Queue.  At the time of logon, if there is a queue default for the user's EWM Resource in table /SCWM/V_RSRC-QUEUE, then this is the initial EWM Queue for the user.

## Custom Tables

None

## Tooltips

Not required.

## Front-End

This mobile app will mainly be used on handheld scanners but can also be executed on the desktop.

## Mobile Services

Not applicable

## Authentication & Authorization

To start this app, the user must have display access for the selected plant. Check object M\_MSEG\_WMB for Activity 03 and the selected plant. If no access, show the message "No authorization for plant <9999>".

## Accessibility

Not applicable

## Volumetrics

This solution will be used at approximately 100 plants. The total users is estimated to be around 800.

## Performance Consideration

Changes to the user plant or user EWM data should be made within 2 to 3 seconds and reflect on the updated screen in this time.

# Error Handling

Any error back from SAP from the updates made by this app are to be displayed to the user in a pop-up window, requiring confirmation. e.g, If an update to the user's EWM resource fails, due to that resource already being used by another user.

# Testing

## How to Test

## Test Conditions and Expected Results

ID	Condition	Expected Result
1	Logon on mobile device with no plant selected	Successful logon using SSO/OAuth and MFA. Entry of PIN. Admin tile shows that plant needs to be set.
2	Logon on mobile device with IM plant selected	Successful logon using SSO/OAuth and MFA. Entry of PIN. Admin tile shows details of IM plant.
3	Logon on mobile device with EWM plant selected	Successful logon using SSO/OAuth and MFA. Entry of PIN. Admin tile shows details of plant, EWM Warehouse, resource, group and queue.
4	Start Neptune Launchpad on desktop	Admin tile shows correct display of plant and EWM settings
6	Start admin app for IM plant	Only options to set/change plant and display postings are available.
7	Start admin app for EWM plant	Options to set/change plant, display postings, set/change EWM resource, EWM group and EWM queue are available.
8	Use the Set/Change Plant option to set a plant for the first time to an IM plant	Plant correctly set. Admin initial screen and tile shows details of IM plant.
9	Use the Set/Change Plant option to set a plant for the first time to an EWM plant	Plant correctly set. Admin initial screen and tile shows details of plant, EWM Warehouse, resource, group and queue. Logon to EWM resource successful.
10	Use the Set/Change Plant option to change to an IM plant from an EWM plant.	Plant correctly set. Admin initial screen and tile shows details of IM plant only.
11	Use the Set/Change Plant option to change to an EWM plant from an IM plant.	Plant correctly set. Admin initial screen and tile shows details of plant, EWM Warehouse, resource, group and queue. Logon to EWM resource successful.
12	Use the option to display postings.	All the postings made by the user with today's date are correctly displayed.
13	Use the Set/Change EWM Resource option to change to a new resource.	EWM resource correctly set. Logoff of previous resource successful. Logon of new resource successful. Admin initial screen and tile shows details of plant, EWM Warehouse, new selected resource, group and queue.
14	Use the Set/Change EWM Group to change to a new resource group.	EWM resource group correctly set. Admin initial screen and tile shows details of plant, EWM Warehouse, resource, new resource group and queue.
15	Use the Set/Change EWM Queue to change to a new queue.	EWM queue correctly set. Admin initial screen and tile shows correct details of plant, EWM Warehouse, resource, resource group and new queue.
16	Logoff Logistics Mobility Solution on mobile device.	Logoff successful.

## Test Considerations/Dependencies

This app needs to be tested initially on a smartphone and then later on the actual mobile devices that will be used by the business. The app also needs to be tested on the desktop.

## Other Information

## Development Details

## Package

Package Name	Parent Package

## UI Implementation

UI Type	UI Name	Fiori Catalogue	Design Rationale Reference

## API Implementation

API Type	API Name	Purpose / High Level Logic	API Product	Design Rationale Reference

## Other Development Objects

Object Type	Object Name	Purpose/High Level Logic	Design Rationale Reference

## Appendix

## See also



## Change log

Version	Published	Changed By	Comment
<b>CURRENT (v. 18)</b>	<b>Nov 26, 2025 10:29</b>	<b>BIRSE-ext, Gary</b>	
v. 17	Nov 21, 2025 15:21	BIRSE-ext, Gary	
v. 16	Nov 21, 2025 15:01	BIRSE-ext, Gary	
v. 15	Nov 17, 2025 18:48	BIRSE-ext, Gary	
v. 14	Nov 13, 2025 17:27	BIRSE-ext, Gary	
v. 13	Nov 10, 2025 16:33	BIRSE-ext, Gary	
v. 12	Nov 05, 2025 15:16	BIRSE-ext, Gary	
v. 11	Nov 05, 2025 15:00	BIRSE-ext, Gary	
v. 10	Nov 05, 2025 13:19	BIRSE-ext, Gary	
v. 9	Nov 05, 2025 13:18	BIRSE-ext, Gary	

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## Workflow history

This view shows the 5 most recent entries. The complete workflow log is available from the 'Document Activity' menu item.

Nov 26, 2025	Actor	Type	Activity	Version
Approved	 VENKAT-ext, Rama	State	changed state to <b>Approved</b> at 10:57 am	v18
Lead Approval	 VENKAT-ext, Rama	State	gave <i>POD Lead Review</i> approval at 10:57 am  <i>Review completed.</i>	
	BIRSE-ext, Gary	Edit	updated the page at 10:29 am	
	MAKKAY-ext, Kas	State	changed expiry date to '03 Dec, 2025 10:03 am' at 10:03 am	
		State	changed state to <b>Lead Approval</b> at 10:03 am	v18
Edited following Tech Review	MAKKAY-ext, Kas	State	gave <i>Minor change</i> approval at 10:03 am	