How to Set Up and Use the SAP OEE Custom UI Feature

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### Document History

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1 Introduction

1.1 Purpose
This document covers all the information required to link a custom user interface to an SAP OEE Dashboard.

1.2 Scope
This document covers aspects of linking a custom User Interface to the SAP OEE dashboard.

1.3 Glossary
Activity Configuration
Activity configuration is an OEE MII configuration that allows configuration of individual UI / EJB / Transaction activities. UI activities can be plugged in to the dashboard.

Dashboard configuration
Dashboard configuration is an OEE MII configuration that allows design of a custom dashboard using activities created from Activity Configuration.

2 Feature Overview

2.1 Description and Applicability
You can use custom UI in order to create your own screens with custom controls and custom data can be shown on this User interface.

If this user interface needs to be linked to the SAP OEE Worker UI on the click of a button or as a panel on the home page, it can be achieved by following the steps mentioned in the below document.

2.2 Business Purposes/Functions
Business purpose for creating a custom UI is to display customer specific data or controls which need to be integrated into the standard SAP OEE dashboard.

3 Integration
Not applicable
4 Feature Setup

4.1 Prerequisite

1. Create your own SAPUI5 project in an external web project space in the below format.
2. Create a folder called “customActivity” inside the WebContent folder of the SAPUI5 project.
3. Create the below inside the folder:
   - SAP UI5 View
   - SAPUI5 Controller
   UI controls and logic can be defined in the above files.
   You can use the information provided in the below link to achieve the above steps:
   https://sapui5.netweaver.ondemand.com/sdk/#content/Overview.html
4. After the SAPUI5 project has been tested individually, note the fully qualified HTTP path of the SAPUI5 view without the suffix “.view.js”
   This is defined in the first line of the view javascript file.
   This will be used in the Activity Configuration step.

4.2 Creating an Activity for Custom View

1. Go to the MII menu page.
2. Navigate to Worker UI Management -> Activity Configuration.
3. Click on Activity Configuration.
4. Choose Create Activity.
5. On the Main tab, specify an activity ID in capital case and without any white spaces.
6. In the Activity URL specify the fully qualified HTTP path defined in step 4 of 4.1.
7. On the Activity Description tab, provide a description in any of the ISO languages.
   Note: This activity description will be visible to you while creating a button in the dashboard.
8. Click on Save once again after coming out of this window.

4.3 Create a Button in a Dashboard for Activity

1. Go to the MII menu page.
2. Navigate to Worker UI Management -> Dashboard Configuration.
3. Click on Dashboard Configuration.
5. Choose your dashboard and click the Change button.
6. Go to the Dashboard Buttons section.
7. Choose Add Entry.
8. Give a button ID in capital case and without any white spaces.
9. Give a sequence for the button – this will determine the relative position of the button with respect to other buttons in the dashboard.
10. In the Activity Assigned drop down choose the activity description as the one you defined in step 7 of 4.2.
11. Choose the button type as Normal.
12. Leave the location setting to Bottom by default.
13. Provide a description for the button in the below panel.
   Note: This determines the text to be shown on the button in the logon language of the dashboard.
14. Click OK and save the changes.
Note: The same activity can be added as a panel to the home page by going to the Dashboard Section content and specifying the Activity defined in step 7 of 4.2 here.

When you open the dashboard created in Step 4 of 4.3, you will see the new button to collect data for the newly created data collection element.

5 Usage Scenario Examples

5.1 Scenario 1
To create a custom screen for Shift Handover.

6 Links to Additional Information

7 Other Reference Material
OEE MII Guide
OEE ERP Guide

8 Overview of Changes
Not applicable