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| Test ScriptSAP S/4HANA - 21-08-20 | public |
| Machine Learning for Monitoring of Goods and Invoice Receipts (2ZS\_DE) |

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# Purpose

A machine learning feature of the GR/IR application makes a prediction of the next status based on the history of processing goods and invoices received. The predictions are provided by a Machine Learning (ML) service that runs on the SAP Cloud Foundry. This communication scenario is related to the connection of the SAP S/4HANA backend and the ML service. This scope item is deployed in conjunction with the Goods Receipt / Invoice Receipt monitor.

This document provides a detailed procedure for testing this scope item after solution activation, reflecting the predefined scope of the solution. Each process step, report, or item is covered in its own section, providing the system interactions (test steps) in a table view. Steps that are not in scope of the process but are needed for testing are marked accordingly. Project-specific steps must be added.

# Prerequisites

This section summarizes all the prerequisites for conducting the test in terms of systems, users, master data, organizational data, other test data and business conditions.

## System Access

|  |  |
| --- | --- |
| System | Details |
| System | Accessible via SAP Fiori launchpad. Your system administrator provides you with the URL to access the various apps assigned to your role. |

## Roles

Assign the following business roles to your individual test users. Alternatively, if available, you can create business roles using the following spaces with pages and predefined apps for the SAP Fiori launchpad and assign the business roles to your individual test users.

Note These roles or spaces are examples provided by SAP. You can use them as templates to create your own roles or spaces.

For more information about business roles, refer to Assigning business roles to a user in the [Administration Guide to Implementation of SAP S/4HANA with SAP Best Practices](https://help.sap.com/viewer/S4HANA2020_AdminGuide) .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name (Role) | ID (Role) | Description (Space) | ID (Space) | Log On |
| General Ledger Accountant | SAP\_BR\_GL\_ACCOUNTANT | General Ledger | SAP\_BR\_GL\_ACCOUNTANT |  |

## Business Conditions

Before this scope item can be tested, the following business conditions must be met.

|  |  |
| --- | --- |
| Scope Item ID | Business Condition |
| 2V7 - Monitoring of Goods and Invoice Receipts | Must be in scope as prerequisite |

## Preliminary Steps

# Overview Table

If your system administrator has enabled spaces and pages on the SAP Fiori launchpad, the homepage will only contain the essential apps for performing the typical tasks of a business role.

You can find all other apps not included on the homepage using the search bar.

If you want to personalize the homepage and include the hidden apps, navigate to your user profile and choose Settings > App Finder .

|  |  |  |  |
| --- | --- | --- | --- |
| Process Step | Business Role | App/Transaction | Expected Results |
| [Scheduling Jobs – Training Job](#unique_7) [page ] 6 | General Ledger Accountant | Schedule General Ledger Jobs (F1240) | The background process is set up. |

# Test Procedures

This section describes test procedures for each process step that belongs to this scope item.

## Scheduling Jobs – Training Job

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | Duration | Enter a duration. |

Context

In this activity, you set up a background process to automatically match the bank statement to the invoices. This allows an Accounts Receivable accountant to clear the items later.

Prerequisite

Goods Receipts and Invoices Receipts are open in the system. If not, see the Monitoring of Goods and Invoice Receipts (2V7) test script.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as a General Ledger Accountant. |  |  |
| 2 | Access the SAP Fiori App | Open Schedule General Ledger Jobs (F1240). | The Application Jobs view displays. |  |
| 3 | Create a Job | Choose Create. | The New Job view displays. |  |
| 4 | Enter Job Data | Make the following entries:Template Selection section:Job Template: Train GRIR Prediction Model on Historical DataName: Train GRIR Prediction Model on Historical DataChoose Step 2.Scheduling Options section:Choose Define Recurrence Pattern.Make the following entries:Recurrence Pattern: Single RunStart Immediately: SelectedChoose OK.Choose Step 3. | The Scheduling Information dialog box displays. |  |
| 5 | Schedule Job | Choose Schedule. |  |  |
| 6 | Check Logs | Monitor the job status for the Train GRIR Prediction Model on Historical Data job. When the job is processed, the status displays as Finished.When the job status shows Finished, choose the Log button and review the log details. | OP RESULT STARTIn the log details, the last log message should show Cannot train ML model as historical data is empty. The last test should be red.OP RESULT END |  |

Typographic Conventions

|  |  |
| --- | --- |
| Type Style | Description |
| Example | Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options.Textual cross-references to other documents. |
| Example | Emphasized words or expressions. |
| EXAMPLE | Technical names of system objects. These include report names, program names, transaction codes, table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE. |
| Example | Output on the screen. This includes file and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools. |
| Example | Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation. |
| <Example> | Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system. |
| EXAMPLE | Keys on the keyboard, for example, F2 or ENTER. |

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