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|  |  |
| Test Script  SAP S/4HANA - 18-09-20 | public |
| Image-Based Buying (3UH) |

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# Purpose

Order an item and procure it based on an image. If the Image is available already in the cross catalog, recommendations would be provided based on similar images and patterns. Similar images could be detected by "normalizing" images first to increase the likelihood of finding similarities.Images could either be added into the shopping cart from a local laptop, or a dedicated image-based app could prepare a draft shopping cart and a Purchase Requisition eventually.

# Prerequisites

This section summarizes all prerequisites to conduct the test in terms of system, user, master data, organizational data, and 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 |
| Employee - Procurement | SAP\_BR\_EMPLOYEE\_PROCUREMENT |  |  |  |
| Configuration Expert - Business Process Configuration | SAP\_BR\_BPC\_EXPERT |  |  |  |

## Master Data, Organizational Data, and Other Data

The organizational structure and master data of your company have been created in your system during activation. The organizational structure reflects the structure of your company. The master data represents materials, customers, and vendors, for example, depending on the operational focus of your company.

Use your own master data or the following sample data to go through the test procedure.

|  |  |  |  |
| --- | --- | --- | --- |
| Master | Value | Details | Comments |
| Company Code | 1000 |  |  |
| Plant | 1000 |  |  |

## Business Conditions

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

|  |  |
| --- | --- |
| Scope Item | Business Condition |
| 18J - Requisitioning | Must be run before this test script. |

## Preliminary Steps

### Configure S/4 Cloud Edition Intergration

Please refer to the document Setting Up Image-Based Buying (3UH) and Requisitioning (18J).

### Activate Machine Learning Scenarios

Activate machine learning scenarios and make the corresponding settings in the SAP S/4HANA system.

Purpose

In this configuration step, you can activate and configure settings for the machine learning scenarios.

If you activate this scenario, your employees can search for a catalog item using an image they select or capture. Machine learning then searches for catalog items that match this image.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto Fiori Launchpad | Log onto the SAP Fiori launchpad as a Configuration Expert - Business Process Configuration. | The SAP Fiori Launchpad displays. |  |
| 2 | Access the App | Open Manage Your Solution (F1241). | The Manage Your Solution screen displays. |  |
| 3 | Open Configure Your Solution | Choose Configure Your Solution.  If country version needs to be added, choose Set Country Version. | The Configure Your Solution screen displays. |  |
| 4 | Open Machine Learning Scenario configuration | Search Define Machine Learning Scenarios, choose configuration with name Smart Enterprise Intelligence from search result, then choose Configure on the right of configuration steps with name Define Machine Learning Scenarios.  On the Change View "Machine Learning Scenario Configuration": Overview screen, choose Image-Based Buying, then choose Details. | The Machine Learning Scenario configuration screen displays. |  |
| 6 | Activate Machine Learning Scenario | On the Change View “Machine Learning Scenario Configuration”: Details screen, check if the following entry selected:  Activate: X | The Image-Based Buying is activated. |  |

### Define Settings for Cross-Catalog Search

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log onto Fiori Launchpad | Log onto the SAP Fiori launchpad as a Configuration Expert - Business Process Configuration. | The SAP Fiori Launchpad displays. |  |
| 2 | Access the App | Open Manage Your Solution (F1241). | The Manage Your Solution screen displays. |  |
| 3 | Open Configure Your Solution | Choose Configure Your Solution.  If country version needs to be added, choose Set Country Version. | The Configure Your Solution screen displays. |  |
| 4 | Search configuration item | Search Cross-Catalog Search, choose the item line with Name displayed as Requirements Processing from search result. | The configuration item is searched out. |  |
| 5 | Open Requirements Processing configuration | On the Configuration Your Solution - Requirements Processing screen, find the configuration steps with the name Define Settings for Cross-Catalog Search , and choose Configure. | The Requirements Processing configuration screen displays. |  |
| 6 | Open search bar | On the Settings for Cross Catalog Search screen, choose Edit:  Hide Search Bar: <Unselect the checkbox>  Choose Save. | The search bar opened. |  |

### Maintain the Default Setting for Users

Purpose

The default setting for an employee should be maintained by the Configuration Expert mandatorily. Plant and Company code needs to be presented a primary information in the user defaults screen．

For the steps of user configuration, please refer to the sections in the [Administration Guide to Implementation of SAP S/4HANA with SAP Best Practices](https://help.sap.com/viewer/S4HANA2020_AdminGuide).

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Logon | Logon to SAP Fiori launchpad as a Configuration Expert - Business Process Configuration . | The SAP Fiori launchpad displays. |  |
| 2 | Access the App | Open Default Settings for Users - Purchase Requisitions (F1995) . | The Default Settings for Users screen displays. |  |
| 3 | Enter the User ID | On the Default Settings for Users screen, enter the User ID and then choose Enter. |  | Please use the Search Help to find the User ID for User Name Employee\_procurement. |
| 4 | Edit the Default Setting for User | On the Default Settings for Users screen, choose Edit on the lower right corner.  Make the following entries:  Plant: 1010  Company Code: 1010  Plant and Company Code mustbe maintained if scope item 1XI Central Requisitioning is activated.  Currency: EUR  Source Determination: <Selected>  Purchasing Doc. Type : NBS  Choose Add on the line of Assigned Catalogs.  Select catalog, for example BENEERING, and then choose OK on the dialog of Add Catalogs.  Choose Save. | Default Settings are set for users. |  |

### Define Machine Learning Scenarios

Purpose

In this Customizing activity, you can create Machine Learning scenario for Image based buying.

Procedure

1. Access the activity using one of the following navigation options:

|  |  |
| --- | --- |
| Transaction Code | SPRO |
| IMG Menu | Materials Management → Purchasing Purchase Requisition → Self-Service Procurement → Define Machine Learning Scenarios |

1. Choose New Entries, add the following job catalog entry name:

|  |  |
| --- | --- |
| SSP Machine Learning Scenario | Image-Based Buying |
| Activate Machine Learning Scenario | Checked |

1. Choose Save and Back.

Result

You have created Machine Learning scenario for image based buying.

# Overview Table

This scope item consists of several process steps provided in the table below:

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 | Transaction/App | Expected Results |
| [Create Purchase Requisition](#unique_13) [page ] 11 | Employee - Procurement | Create Purchase Requisition (F1643) |  |

# Test Procedure

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

## Create Purchase Requisition

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. |

Purpose

Employee create shopping cart for catalog item which proposed by machine learning, then generate a purchase requisition. Please make sure the Preliminary Step before you start this step.

Prerequisite

You must have a image file, located [here](https://support.sap.com/content/dam/SAAP/Sol_Pack/Library/Others/3UH_Mouse.jpg).

The linked image file is for internal testing, please download it to your local PC for below testing.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Logon | Logon to SAP Fiori launchpad as an Employee - Procurement. | The SAP Fiori launchpad displays. |  |
| 2 | Access to Create Purchase Requisitions | Open Create Purchase Requisition (F1643). | The Create Purchase Requisition  screen displays. |  |
| 3 | Create Purchase item | On the Create Purchase Requisition screen, choose Search By Image.  Select the image which you download as Prerequisite descriped and choose Open.  Quantity: 10  Description: Lenovo USB Optical Travel Wheel Mouse  Then choose Add to Cart. | Add catalog to view Cart. |  |
| 4 | View Cart | Choose Purchase Requisition Overview at the top right of the screen to view the cart, and then choose View Cart.  Select the item created, and enter the following entries:  Purchasing Group : <Your Purchasing Group>  Organization: <Your Purchasing Organization>  Company Code : <Your Company Code>  Plant:<Your Plant>  Acct Assignment Cat: K  In the Account Assignment section: choose serial no.acct.assgt 1.  On the Accounting Details screen, make the following entries:  GL Account: <Your GL Account>  Cost Center: <Your Cost Center>  Choose Back.  Choose Save.  Choose Back. | Maintain the general data. |  |
| 5 | Order | Choose Order. | Purchase Requisition 1000XXXX created. |  |

# Process Integration

The process to be tested in this test script is part of a chain of integrated processes.

# Succeeding Processes

After completing the activities in this test script, you can continue testing the following business processes:

|  |  |
| --- | --- |
| Process | Business Description |
| Requisitioning(18J) | You can create purchase requisition with catalog item which createdbased on the propose catalog item form machine learning. |

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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