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| Test Script  SAP S/4HANA - 18-09-20 | public |
| Business Event Handling (1NN) |

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# Purpose

With a standardized event mechanism, you can provision the event catalog for all business objects across the SAP S/4HANA Cloud application, to enable applications, partners, and customers to consume events related to all SAP S/4HANA business objects.

With event activation management, you can propagate only subscribed events to the messaging infrastructure and to those subscribers/receivers.

Side-by-side extensions provide a powerful way of extending SAP S/4HANA Cloud applications on SAP Cloud Platform for customers and partners without impacting the digital core, by building decoupled extension applications running side-by-side with SAP S/4HANA Cloud.

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 |
| Administrator | SAP\_BR\_ADMINISTRATOR | Administration | SAP\_BR\_ADMINISTRATOR |  |

# 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, Report, or Item | Business Role | App/Transaction | Expected Results |
| [Business Event Subscription - Subscription Manager](#unique_6) [page ] 5 | Administrator | Business Event Subscription - Subscription Manager (F2569) | User is able to view the list of subscriptions, activate and deactivate the subscriptions, and change the status of the subscriptions. |
| [Business Event Queue - Number of Events in Queue](#unique_7) [page ] 6 | Administrator | Business Event Queue | User is able to see the number of events in queue. |

# Test Procedures

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

## Business Event Subscription - Subscription Manager

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

The Business Event Subscription - Subscription Manager (F2569) app enables the user to create, update, and delete the subscription. The number of the business events can be viewed in the Business Event Queue app.

In this test step, the following features of the app are to be tested:

* View the list of subscriptions
* Create, update, or delete the subscription
* Change the priority of the subscription

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Open Transaction | Log on to the SAP Fiori launchpad. |  |  |
| 2 | Access App | Open the Business Event Subscription - Subscription Manager (F2569) app. |  |  |
| 3 | Display List of Subscriptions | If there are no entries displayed in the list of subscription, clear all the filters. Then choose the Go button on the top right of the list. | A list of all the available subscriptions is displayed. |  |
| 4 | Create (Activate) a Subscription | Select an Inactive subscription to be created. Then choose the Activate button on the bottom right of the list. | The status of this subscription is changed to Active. |  |
| 5 | Delete (Deactivate) a Subscription | Select an Active subscription to be deleted. Then choose the Deactivate button at the bottom right of the list. | The status of this subscription is changed to Inactive. |  |
| 6 | Change Priority of a Subscription | Select a subscription for which the priority shall be changed. Then choose the Change Priority button on the bottom right of the list. | A dropdown list with priority level from 1 to 10 is displayed. |  |
| 7 | Change Priority of a Subscription | Choose one of the priorities. | The priority chosen is set for the subscription. |  |

## Business Event Queue - Number of Events in Queue

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

In this test script, the number of the triggered events in the queue, grouped by different types, is to be tested. The consumption of the queue event is subscriber-specific. The mechanism for consumption of the events from external systems is out of scope of this test script. As designed, the events will be kept in the queue for 3 days before the queue is cleaned up. The communication arrangements within Cloud Foundation are out of scope of this test script. Please refer to the Customer Guide documentation of this scope item for detailed information on Communication Arrangement.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Access App | Open Business Event Queue . |  |  |
| 2 | View the Events Count by Different Dimensions | Select the Setting icon on the top right of the list. | A new window for the views setting is displayed. |  |
| 3 | View the Events Count by Different Dimensions | Choose different dimensions (for example, Business Object Type and Subscriber), and choose OK. | The chart displays the number of the event grouped by Subscriber and Business Object Type. |  |

# Case Study

Purpose

This section shows you, step by step, how a business event is triggered when a business operation is processed within SAP S/4HANA Cloud. The triggered event is added in the Event Queue and can be viewed in the Event Handling Queue application. As a sample, the following is a test script describing how to add an event through business process as Create Sales Order.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Open Transaction | Log on to the SAP Fiori launchpad. |  |  |
| 2 | Access App | Open Business Event Subscription - Subscription Manager (F2569). |  |  |
| 3 | Activate the Subscription | Activate the subscription, for example, SAP Cloud Platform with Business Object Type Sales Order. |  |  |
| 4 | Check the Number of Sales Order in the Business Event Queue App | Open the Business Event Queue app. | Write down the event count of the Sales Order. |  |
| 5 | Access the Create Sales Orders App | Open Create Sales Orders - VA01 (VA01). Create a new Sales Order and save. | A new Sales Order is created. |  |
| 6 | Check Event Count Increment | Switch back to the Business Event Queue app and check the number of the events in queue. | The number of the event is increased by 1 with Sales Order under Subscriber SAP Cloud Platform. |  |

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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