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| Test ScriptSAP S/4HANA - 18-09-20 | public |
| Leveraging SAP RealSpend (1KU) |

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# Purpose

This scope item covers the setup of integration from SAP S/4HANA to SAP Financials Cloud API Integration (SAP RealSpend, Financial Statement Insights, Cloud for Real Estate), enabling the SAP Cloud Platform apps to read financial data from SAP S/4HANA for reporting purposes.

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.

The data flows (Data Source, DataStore Object, Data Transfer Process) have been built and data has been extracted in set-up instructions.

## Configured Test Environment

Before you execute this test script, the Communication Scenario (also referred to as Integration Scenario) SAP\_COM\_0063 must be configured in your system.

You can implement this communication scenario using a guided workflow with the Cloud Integration Automation service. For more details, refer to the link Set-up using Cloud Integration Automation service provided in the SAP Best Practices Explorer.

If this Communication Scenario is not configured in your system, then contact your respective Cloud Operations colleagues.

## Checklist of Required Test Environment Information

Once the Communication Scenario SAP\_COM\_0063 has been configured in your system, you should have the following information in order to perform your tests:

• Application URL.

• Username and password to access and test the application.

If you do not have this information, then contact your respective Cloud Operations colleagues.

# Overview Table

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

|  |  |  |  |
| --- | --- | --- | --- |
| Process Step | Business Role | Transaction/App Name | Expected Results |
| [Test SAP RealSpend Connection to SAP S/4HANA System](#unique_6)  [page ] 5 | n/a | n/a | You get a predefined response. |
| [Test SAP Financial Statement Insights Connection to SAP S/4HANA System](#unique_7) [page ] 7 | n/a | n/a | You get a predefined response. |

# Test Procedures

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

## Test SAP RealSpend Connection to SAP S/4HANA System

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 process step, you're testing if you can connect SAP RealSpend to the SAP S/4HANA system.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Access API Console of SAP RealSpend | Go to the following URL, replacing <RealSpendURL> with the <RealSpendURL>/core/api/v1/ | The API console is displayed. |  |
| 2 | Access CSRF Service | First, you require to get a CSRF Token by following the following steps:* Carry out step 1 from the test case for accessing the API Console
* Choose GET under /csrf and then, for version v1, select + in the Headers section.
* For x custom key enter x-csrf-token and in the custom value field, enter fetch
* Choose GET:
* Copy the x-csrf-token id from the Response section, because you will use it in the next step.
 | The response should be Status 200: Indicates the successful retrieval of the CSRF token within the “x-csrf-token” header field. |  |
| 3 | Access ERP Configuration Service | In the API console, open the /erp node.Choose PUT in the /erp/config node. | The request details of the REST service: /erp/config is displayed. |  |
| 4 | Specify SAP Client for SAP RealSpend | Specify the field version as v1.Select the header and add a parameter to the header:Custom key: x-csrf-tokenCustom value: <CSRF token generated on the step 2>Specify the request body with a JSON payload of the following form:SAP-client: sapClientControlling-Area: controllingAreaexchange-rate-type: MAccount-nodes: [],Cost-center-nodes: [],Cost centers: costCenterInternal-orders: []Specify the parameters for SAP Client, Controlling Area, and Cost Center according to the connected S/4HANA system.Choose Put. | The status code of the response equals 200. |  |
| 5 | Access Ping Service | Access the following URL, replacing <RealSpendURL> as before: <RealSpendURL>/core/api/v1/rest/erp/status | The response statesconnected: true. |  |

## Test SAP Financial Statement Insights Connection to SAP S/4HANA System

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 process step, you're testing if you are able to connect SAP Financial Statement Insights to the SAP S/4HANA system.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Access Application Landing Page | Navigate to the admin page of SAP Financial Statement Insights by opening the following URL:Replace <FinancialStatementInsightsURL> with the Financial Statement Insights URL: <FinancialStatementInsightsURL/admin>For example: <https://fsibc4cae84a-b12345678.us1.hana.ondemand.com/insightsapp/admin> | The logon page is displayed. |  |
| 2 | Log On | Enter the user name and password of your test user and choose Log On. | The logon is successful and you are redirected to the admin page. |  |
| 3 | Access the App | Access the application. | The app opens and no errors are shown. |  |
| 4 | Access Ping Service | Access the following URL, replacing FinancialStatementInsightsURL, as before, with: FinancialStatementInsightsURL/api/v1.0/pingFor example: https://fsibc4cae84a-b12345678.us1.hana.ondemand.com/insightsapp/api/v1.0/ping" scope="external" | The response statessuccessfully connected to the on-premise database |  |

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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