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| Test ScriptSAP S/4HANA - 18-09-20 | public |
| Continuous Control Monitoring with SAP Process Control (2OH) |

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# Purpose

With this scope item, SAP Process Control customers can include SAP S/4HANA Cloud processes in continuous control monitoring.

Embedded compliance allows data to be retrieved from SAP S/4HANA Cloud and analyzed in SAP Process Control.

# 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.

## Additional Manual Configuration

Before you can test this scope item, you must have completed the additional configuration steps that are described in the Set-Up Instructions for this scope item. These configuration steps are specific for your implementation and include mandatory settings that are not delivered by SAP and must be created by you. For more information, refer to the Set-Up Instructions for this scope item on [SAP Best Practices Explorer](https://rapid.sap.com/bp) (https://rapid.sap.com/bp/#/browse/scopeitems/<enter the scope item ID>).

## System Access

|  |  |
| --- | --- |
| System | Details |
| SAP S/4HANA on-premise system | Accessible via the SAP Fiori launchpad. Your system administrator provides you with the URL to access the various apps assigned to your role. |
| SAP Process Control System | Your system administrator provides you the logon information to access the system. |

## 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) | Description | ID (Role) | Description (Space) | ID (Space) | Log On |
| Configuration Expert - Business Process Configuration |   | SAP\_BR\_BPC\_EXPERT | Business Process Configuration | SAP\_BR\_BPC\_EXPERT | Please ask your system administrator to assign to the tester. |
| Cross Continuous Monitoring Data Source Specialist |  | SAP\_GRC\_SPC\_CRS\_CM\_DS\_SPEC |  |  | Please ask your system administrator to assign to the tester. |
| Cross Continuous Monitoring Business Rule Specialist |  | SAP\_GRC\_SPC\_CRS\_CM\_BR\_SPEC |  |  | Please ask your system administrator to assign to the tester. |

## Master Data, Organizational Data, and Other Data

This scope item does not make use of Master Data, Organizational Data or Other Data.

## Business Conditions

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

|  |  |
| --- | --- |
| Scope Item ID | Business Condition |
| BD6 - Basic Credit Management | Make sure BD6 is activated before performing test procedures described in this test script, because customizing enabling Credit Limit contained in BD6 is required for successful execution of this test script. |
| 1GO - Cash Journal | Make sure 1GO is activated before performing test procedures described in this test script, because configurations activated by 1GO will be used as examples during the test procedures. |

## Preliminary Steps

This scope item does not require preliminary steps.

# Overview Table

This scope item consists of several choose the appropriate entity: process steps, reports, items provided in the table below.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Process Step | Business Role | System | App/Transaction | Expected Results |
| [Set Up Data Sources for Monitoring Configuration Data Change](#unique_10) [page ] 8 | Cross Continuous Monitoring Data Source Specialist | On-premise SAP Process Control system | /nnwbc | Data source for monitoring configuration data change is created. |
| [Set Up Business Rules](#unique_11) [page ] 10 | Cross Continuous Monitoring Business Rule Specialist | On-premise SAP Process Control system | /nnwbc | Business rule for monitoring configuration data change is created. |
| [Perform Configuration Change](#unique_12) [page ] 12 | BPC Expert | S/4HANA | Manage Your Solution | Configuration change has been performed using SSCUI. |
| [Perform Ad-hoc Query](#unique_13) [page ] 13 | Cross Continuous Monitoring Business Rule Specialist | On-premise SAP Process Control system | /nnwbc | Configuration change is displayed in the ad-hoc query. |
| [Set Up Data Sources for Monitoring Transactional Data Value](#unique_14) [page ] 14 | Cross Continuous Monitoring Data Source Specialist | On-premise SAP Process Control system | /nnwbc | Data source for monitoring transactional data value is created. |
| [Set Up Business Rules](#unique_15) [page ] 16 | Cross Continuous Monitoring Business Rule Specialist | On-premise SAP Process Control system | /nnwbc | Business rule for monitoring transactional data value is created. |
| [Perform Ad-hoc Query for Transactional Data Value Check](#unique_16) [page ] 18 | Cross Continuous Monitoring Business Rule Specialist | On-premise SAP Process Control system | /nnwbc | Transactional value that agrees with the business rule is displayed in the ad-hoc query. |
| [Set Up Data Sources for Monitoring with Multiple Deficiency Values](#unique_17) [page ] 19 | Cross Continuous Monitoring Data Source Specialist | On-premise SAP Process Control system | /nnwbc | Data source for monitoring transactional data using multiple deficiency values is set up. |
| [Set Up Business Rules for Multiple Deficiency Values](#unique_18) [page ] 21 | Cross Continuous Monitoring Business Rule Specialist | On-premise SAP Process Control system | /nnwbc | Business rule for monitoring transactional data value using multiple deficiency values is set up. |
| [Perform Ad-hoc Query for Multiple Deficiency Values](#unique_19) [page ] 24 | Cross Continuous Monitoring Business Rule Specialist | On-premise SAP Process Control system | /nnwbc | Transactional data value that agrees with the business rule is displayed in the ad-hoc query. |
| [Set Up Data Sources for Monitoring CDS Views via OData Services](#unique_20) [page ] 25 | Cross Continuous Monitoring Data Source Specialist | On-premise SAP Process Control system | /nnwbc | Data source for monitoring CDS View data exposed via OData services is set up. |
| [Set Up Business Rules for CDS Views](#unique_21) [page ] 27 | Cross Continuous Monitoring Business Rule Specialist | On-premise SAP Process Control system | /nnwbc | Business rule for monitoring CDS view data exposed via OData services is set up. |
| [Perform Ad-hoc Query for Value Check for CDS Views](#unique_22) [page ] 29 | Cross Continuous Monitoring Business Rule Specialist | On-premise SAP Process Control system | /nnwbc | CDS view data value that agrees with the business rule is displayed in the ad-hoc query. |

# Test Procedures

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

## Monitoring Configuration Data Change

### Set Up Data Sources for Monitoring Configuration Data Change

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

This activity is to set up data source for monitoring customizing table of Define Amount Limit.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to a supported browser with the following URL:http(s)://<ServerName>:<Port Number>/nwbc | The NetWeaver Business Client view for SAP PC is displayed. |  |
| 2 | Navigate to Data Sources | Switch to the tab Rule Setup, and then choose Data Sources under the Continuous Monitoring section. | The Enterprise Object view is displayed. |  |
| 3 | Create Data Source | Choose Create and in the dialog box, fill in the following details:In the General tab, enter the following data:Data Source: <For example, Define Amount Limit>Description: <For example, Data source for Define Amount Limit>Valid From: 01.01.2000Valid To: 31.12.9999Status: In ReviewIn the Object Field tab, enter the following data:Sub Scenario: ConfigurableConnection Type: S/4Main Connector: <For example: the ID of SAP S/4HANA Cloud system>The Main Connector mentioned above is the one which is created following the Set-up Instruction Guide of 2OH.Choose Main Table Lookup, and in the dialog box, enter TCJ\_MAX\_AMOUNT in the field Table Name, and then choose Apply. Select the search result representing table TCJ\_MAX\_AMOUNT and then choose OK.Choose Select Additional Table Fields, and in the dialog box, choose Add All.In the Adhoc Query tab, make the following entries:Target Connector: <Use the Connector selected as Main Connector above>Choose Execute Query, and check whether the query can be performed successfully.Choose Save. |  |  |
| 4 | Update Data Source | Open the data source created in the step above.In the General tab, make the following adaptation:Status: ActiveChoose Save. |  |  |

### Set Up Business Rules

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 procedure below serves a guide on how to set up business rules.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to a supported browser with the following URL:http(s)://<ServerName>:<Port Number>/nwbc | The NetWeaver Business Client screen for SAP PC displays. |  |
| 2 | Navigate to Business Rules | Switch to the tab Rule Setup, and then choose Business Rules under the Continuous Monitoring section. | The Enterprise Object view displays. |  |
| 3 | Select Data Source | Choose Create and in the dialog box, fill in the following details:Data Source: <Data source created in previous test procedure>Select the returned entry after choosing Search and then choose OK.Choose Continue. | The Business Rule: Step 1 of 9 (Basic Information) displays. |  |
| 4 | Create Business Rule | In the view Business Rule: Step 1 of 9 (Basic Information), for each step, provide the following details:Step 1: Basic Information:Name: <For example, Define Amount Limit>Description: <For example, Business Rule for Define Amount Limit>Category: Change Log CheckAnalysis Type: ChangesStatus: In ReviewValid from: 01.01.2000Valid to: 31.12.9999Choose Next.Step 2: Data for Analysis:Choose Select All, and then click Next.Choose Next until Step 4: Deficiency Criteria:Choose Select/Unselect Filters, and in the dialog box choose Select Handler. In the next dialog box, choose Handler V\_TCJ\_MAX\_AMOUNT, and then choose OK. In the Deficiency Fields section, select Cash Journal Amount Field with +/- Sign, and then choose OK.If using above handler does not find any data, then please re-choose a Handler with Handler Type SCU3 and proceed.Select the entry for field Cash Journal Amount Field with +/- Sign, and for the field Field Analysis Type, select Changes. For the field Currency, specify <EUR>.In the Deficiency Indicator, choose for example, Low.Choose Next until Attachment and Links, and then choose Save. |  |  |
| 5 | Update Business Rule | Open the business rule created in above steps, and in the tab Basic Information, make the following adaptation:Status: ActiveChoose Save. |  |  |

### Perform Configuration Change

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 procedure below serves as a guide on how to make configuration changes.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on to SAP S/4HANA On-premise | Navigate via transaction code: /nSPRO. |  |  |
| 2 | Navigate | Follow below IMG path: SAP Customizing Implementation Guide > Financial Accounting > Bank Accounting > Business Transactions > Cash Journal > Define Amount Limit . | The Change View “Cash Journal: Amount Limit” Overview view displays. |  |
| 3 | Define Amount Limit | In the Change View “Cash Journal: Amount Limit”: Overview view, make following changes, for example:CoCd: 1010Crcy: EURValid from: 01/01/2016Amount: 20,001.00Choose Save. |  |  |

### Perform Ad-hoc Query

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 procedure below serves a guide on how to perform ad-hoc query.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Perform Ad-hoc Query in on-premise SAP Process Control | Open the business rule created in [Set Up Business Rules](#unique_11) [page ] 10, and in the tab Ad-hoc Query, make the following entries:Timeframe: YearExpand the dropdown list by choosing the arrow in the Data Collection, and then choose Apply Rule.Choose Start to execute the query. | The change performed in the previous chapter should be reported in the query result. |  |

## Monitoring Transactional Data Values

### Set Up Data Sources for Monitoring Transactional Data Value

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 procedure below serves a guide on how to set up data sources for monitoring transactional data value.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On to On-premise SAP Process Control | Log on to a supported browser with the following URL:http(s)://<ServerName>:<Port Number>/nwbc | The NetWeaver Business Client screen for SAP Process Control displays. |  |
| 2 | Navigate to Data Sources | Switch to the tab Rule Setup, and then choose Data Sources under the Continuous Monitoring section. | The Enterprise Object view displays. |  |
| 3 | Create Data Source | Choose the Create button.In the General tab, make the following entries:Data Source: For example, Credit limit for sales orderDescription: For example, Data source for Credit limit for sales orderValid From: 01.01.2000Valid To: 31.12.9999Status: In ReviewIn the Object Field tab, enter the following data:Sub Scenario: ConfigurableConnection Type: S/4Main Connector: For example: the ID of SAP S/4HANA on-premise systemThe Main Connector mentioned above is the one which is created after following the Set-up Instruction Guide of 2OH.Choose Main Table Lookup.In the dialog box, in Table Name, enter UKMBP\_CMS\_SGM and choose Apply. Select the search result representing table UKMBP\_CMS\_SGM and then choose OK.Choose Related Table Lookup.In the dialog box, in Table Name, enter UKMCRED\_SGM0C . Choose Apply and then Add All. Choose OK.In the Fields section, for both tables UKMCRED\_SGM0C and UKMBP\_CMS\_SGM, choose Select Additional Table Fields, and in the dialog box, choose Add All.Make sure the fields of table UKMCRED\_SGM0C are added before UKMBP\_CMS\_SGM.In the Ad-hoc Query tab, enter the following data:Target Connector: <Use the Connector selected as Main Connector above>Choose Execute query, and check that the query can be performed successfully.Choose Save. |  |  |
| 4 | Update Data Source | Open the data source created in the above step, and in the General tab, make the following adaptation:Status: ActiveChoose Save. |  |  |

### Set Up Business Rules

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 procedure below serves a guide on how to set up business conditions.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on to On-premise SAP Process Control | Log on to a supported browser with the following URL:http(s)://<ServerName>:<Port Number>/nwbc | The NetWeaver Business Client screen for SAP PC is displayed. |  |
| 2 | Navigate to Business Rules | Switch to the tab Rule Setup, and then choose Business Rules under the Continuous Monitoring section. | The Business Rule view is displayed. |  |
| 3 | Select Data Source | Choose Create and in the dialog box, fill in the following details:Data Source: <Data source created in previous test procedure>Select the returned entry after choosing Search and then choose OK.Choose Continue. | The Business Rule: Step 1 of 9 (Basic Information) view is displayed. |  |
| 4 | Create Business Rule | In the view Business Rule: Step 1 of 9 (Basic Information), for each step, provide the following details:Step 1: Basic Information:Name: <For example, Credit limit for sales order>Description: <For example, Business Rule for Credit limit for sales order>Category: Value CheckAnalysis Type: Monitor ValueStatus: In ReviewValid from: 01.01.2000Valid to: 31.12.9999Choose Next.Step 2: Data for Analysis:Choose Select All, and then click Next.Choose Next until Step 4: Deficiency Criteria:Choose Select/Unselect Filters, and in the dialog box choose Credit Limit. Then choose OK.Select the entry for the field Credit Limit and for the field Field Analysis Type, choose Value Check. For the field Currency, select for example, USD.In the Deficiency Value, specify for example:Deficiency Type: LowSign: Range limit includedOption: Greater than or equal toLow: <For example, 5, or other value which meets your business requirement>Choose Next until Attachment and Links, and then choose Save. |  |  |
| 5 | Update Business Rule | Open the business rule created in above steps, and in the tab Basic Information, make the following adaptation:Status: ActiveChoose Save. |  |  |

### Perform Ad-hoc Query for Transactional Data Value Check

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 procedure below serves a guide on how to perform ad-hoc query for transactional data value check.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Perform Ad-hoc Query in On-premise SAP Process Control | Open the business rule created in the test above, and in the tab Ad-hoc Query, make the following entries:Timeframe: YearChoose Start to execute the query. | Business partners with credit limit larger than 5 USD should be reported in the query result. |  |

### Set Up Data Sources for Monitoring with Multiple Deficiency Values

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

This step sets up a data source against which multiple deficiency values can be set and monitored.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On to On-premise SAP Process Control | Log on a supported browser with the following URL:http(s)://<ServerName>:<Port Number>/nwbc | The NetWeaver Business Client view for SAP Process Control displays. |  |
| 2 | Navigate to Data Sources | Switch to the Rule Setup tab. Under the Continuous Monitoring section, choose Data Sources. | The Enterprise Object window displays. |  |
| 3 | Create Data Source | Choose the Create button, and in the dialog box, enter the following details:In the General tab, enter the following data:Data Source: <For example: Legal Regulation Status Reason for Trade Compliance Documents>Description: <For example: Legal Regulation Status Reason for Trade Compliance Documents >Valid From: 01.01.2000Valid To: 31.12.9999Status: In ReviewIn Object Field tab, enter the following data:Sub Scenario: ConfigurableConnection Type: S/4Main Connector: <For example: the ID of SAP S/4HANA Cloud system>Note The main connector mentioned above is the one which is created after following the Set-up instruction guide of 2OH. |  |  |
| 4 | Main Table and Related Table Lookups | Choose Main Table Lookup. In the following dialog box, in Table Name, enter /SAPSLL/CLDIT and then choose Apply. Select the search result representing table /SAPSLL/CLDIT then choose OK.Choose Related Table Lookup. In the following dialog box, in Table Name,enter /SAPSLL/CLDLR and select radio button Dependent Tables and then choose Apply. Choose Add All and then choose OK.In the Fields section, for both tables /SAPSLL/CLDLR and /SAPSLL/CLDIT choose Select Additional Table Fields, and in the dialog box, choose Add All.In the Adhoc Query tab, enter the following data:Target Connector: <Use the Connector selected as Main Connector above>Choose Execute query button, and check that the query can be performed successfully.Choose Save to save this data source. |  |  |
| 5 | Update Data Source | Open the data source created in the above step, and in the General tab, make the following adaptation:Status: ActiveChoose Save to save the change. |  |  |

### Set Up Business Rules for Multiple Deficiency Values

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 business rule, multiple deficiency values are specified.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to a supported browser with the following URL:http(s)://<ServerName>:<Port Number>/nwbc | The NetWeaver Business Client view for SAP PC displays. |  |
| 2 | Navigate to Business Rules | Switch to the Rule Setup tab, and then choose Business Rules under the Continuous Monitoring section. | The new window Enterprise Object displays. |  |
| 3 | Select Data Source | Choose Create and in the dialog box, enter the following details:Data Source: <Data source created in previous test procedure>Choose Search.Choose the returned entry and then choose OK.Choose Continue. | The Business Rule: Step 1 of 9 (Basic Information) view displays. |  |
| 4 | Create Business Rule | In the view Business Rule: Step 1 of 9 (Basic Information), for each step, provide the following details:Step 1: Basic Information:Name: <For example: Legal Regulation Status Reason for Trade Compliance Documents">Description: <For example: Legal Regulation Status Reason for Trade Compliance Documents>Category: Value CheckAnalysis Type: Monitor ValueStatus: In ReviewValid from: 01.01.2000Valid to: 31.12.9999Choose Next.Step 2: Data for Analysis:Choose Select All, and then choose Next.Choose Next until Step 4: Deficiency Criteria:Choose Select/Unselect Deficiency, and select the entry for field Legal Regulation Status Reason, and for the field Field Analysis Type, select Monitor Value.In the Deficiency Value, specify for example:Deficiency Type: LowSign: Range limit includedOption: EqualsLow: <For example, K>Optionally, it is also possible to create multiple deficiency values, for example, choose Add Line button in the row representing above defined Low Deficiency, then specify:Deficiency Type: LowSign: Range limit includedOption: EqualsLow: <For example, M>Choose Next until Step 6: Output Format:Choose Select/Unselect Output Fields, and select fields Document Category, Document Number, Legal Regulation, Legal Regulation Status. Then choose OK.Choose Next until Attachment and Links, then choose Save.Choose Save. |  |  |
| 5 | Update Business Rule | Open the business rule created in above steps, and in the Basic Information tab, make the following adaptation:Status: ActiveChoose Save. |  |  |

### Perform Ad-hoc Query for Multiple Deficiency Values

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

Ad-hoc query is performed to report discovered deficiencies.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Perform Ad-hoc Query in on-premise SAP Process Control | Open the business rule created in [Set Up Business Rules for Multiple Deficiency Values](#unique_18) [page ] 21, and in the Ad-hoc Query tab, do the following:Timeframe: YearExpand the dropdown list by choosing the arrow in the Data Collection, and then choose Apply Rule.Choose Start to execute the query. | Trade Compliance Documents with corresponding Legal Regulation Status Reason should be reported in the query result. |  |

### Set Up Data Sources for Monitoring CDS Views via OData Services

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 procedure below serves a guide on how to set up sources for monitoring CDS views via OData Services.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On to On-premise SAP Process Control | Log on to a supported browser with the following URL:http(s)://<ServerName>:<Port Number>/nwbc | The NetWeaver Business Client screen for SAP Process Control is displayed. |  |
| 2 | Navigate to Data Sources | Switch to the tab Rule Setup, and then choose Data Sources under the Continuous Monitoring section. | The Business Rule view displays. |  |
| 3 | Create Data Source | Choose Create and in the dialog box, fill in the following details:In the General tab, enter the following data:Data Source: <for example, Overall blocked status for sales order>Description: <for example, Data source for overall blocked status for sales order>Valid From: 01.01.2000Valid To: 31.12.9999Status: In ReviewIn the Object Field tab, enter the following data:Sub Scenario: External PartnerConnection Type: S/4 ODataMain Connector: for example, <the ID of G type RFC destination created in Set-up Instruction Guide>Choose Query Lookup, and in the dialog box, click the value help button for the field of OData Service Name, and then in the dialog box, choose Go. Select the entry representing the OData service created in the Set-up instruction guide, for example: /sap/opu/odata/sap/Z\_SALES\_DOCUMENT\_CDS.Then choose Apply, and select the returned Service Entity, and choose OK.In the Fields section, click Select Fields, and in the dialog box, select the desired fields by choosing corresponding checkboxes, and then click OK.The structure of underlying CDS Views with associations can also be reflected in this hierarchical graphic view.In the Adhoc Query tab, enter the following data:Target Connector: <Use the Connector selected as Main Connector above>If OData Services with Input Parameters are used, one more step is required after step 2: Data for Analysis to fill in corresponding Input Parameters.Choose Execute query, and check that the query can be performed successfully.Choose Save. |  |  |
| 4 | Update Data Source | Open the data source created in the above step, and in the General tab, make the following adaptation:Status: ActiveChoose Save. |  |  |

### Set Up Business Rules for CDS Views

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 procedure below serves a guide on how to set up business rules for CDS views.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On to On-premise SAP Process Control | Log on to Internet Explorer or another supported browser with the following URL:http(s)://<ServerName>:<Port Number>/nwbc | The NetWeaver Business Client screen for SAP PC is displayed. |  |
| 2 | Navigate to Business Rules | Switch to the tab Rule Setup, and then choose Business Rules under the Continuous Monitoring section. | The Business Rule view displays. |  |
| 3 | Select Data Source | Choose Create and in the dialog box, fill in the following details:Data Source: <Data source created in previous test procedure>Choose Search, and select the returned entry and then choose OK.Choose Continue. | The Business Rule: Step 1 of 9 (Basic Information) view displays. |  |
| 4 | Create Business Rule | In the view Business Rule: Step 1 of 9 (Basic Information), for each step, provide the following details:Step 1: Basic Information:Name: <For example,Overall blocked status for sales order>Description: <For example,Overall blocked status for sales order>Category: Value CheckAnalysis Type: Monitor ValueStatus: In ReviewValid from: 01.01.2000Valid to: 31.12.9999Choose Next.Step 2: Data for Analysis:Choose Select All, and then click Next.If OData Services with Input Parameters are used, one more step is required after step 2: Data for Analysis to fill in corresponding Input Parameters.Choose Next until Step 5: Deficiency Criteria:Choose Select/Unselect Deficiency, and in the dialog box choose the field Overall Blkd Status. Then choose OK.Select the entry for the field Overall Blkd Status and for the field Field Analysis Type, choose Value Check.In the Deficiency Value, specify for example:Deficiency Type: LowSource: With Fixed ValueSign: Range limit includedOption: EqualsLow: <For example, C, or other value which meets your business requirement>Choose Next until Attachment and Links, and then choose Save.Choose Save to save the change. |  |  |
| 5 | Update Business Rule | Open the business rule created in above steps, and in the tab Basic Information, make the following adaptation:Status: ActiveChoose Save to save the change. |  |  |

### Perform Ad-hoc Query for Value Check for CDS Views

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 procedure below serves a guide on how to perform Ad-hoc query for value check for CDS Views.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Perform Ad-hoc Query in On-premise SAP Process Control | Open the business rule created in [Set Up Business Rules for CDS Views](#unique_21) [page ] 27, and in the Ad-hoc Query tab, choose Data Collection, then perform the following operation:Timeframe: YearYear: <Current Year>Choose Star to execute the query.Then select Apply Rule, and click Start to execute the query. | Blocked sales orders is listed in the report and go to the system to perform corresponding subsequent processes to release the blocked sales orders. |  |

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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