

Automated Script Enablement Using ECC Script– SAP SuPM V1.0



Applies to:

This article applies to SAP Business Objects Sustainability Performance Management (SuPM) version 1.0. For more information, visit the [Sustainability homepage](#).

Summary

This article will explain in detail about – How to configure “Automated scripts” feature of SuPM. Using ECC Scripts

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Author Bio

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Background

This article would show the setting up “Automated Script for ECC Queries” with the help of step by step procedure.

Scope of this Article

The present article is about – setting up Automated KPI Script in SuPM application for ECC Queries.

SuPM Application can collect data automatically using three Script Type”SAP BW Query / ECC Query/ Web Script”

Let us consider for sustainability reporting some of the KPI data is available in ECC system tables, (Herein we have considered some Custom Tables specific to the Requirement of system).

Prerequisites

- Define the KPIs that have to be setup for automated data collection.
- Identify / define the source system for automated data collection.
- KPI assignment to the relevant framework.
- Establish the logical connection between the Source and Target system
- Maintain the Connection settings in SuPM System configuration
- Make sure the variables are maintained

Table Structure:

We have taken a generic table structure which would match the system variables

Dictionary: Display Table

Transp. Table: ZSUPM_..._DATA Active
Short Description: SuPM-...Consumption Data

Attributes | Delivery and Maintenance | Fields | Entry help/check | Currency/Quantity Fields

Field	Key	Initi	Data element	Data Ty...	Length	Decim	Short Description	Group
CLIENT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MANDI	CLNT	3		0 Client	
ORGUNITID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	WFDSE_UI_ORG_ASS	NUMC	8		0 organizational Assignment	
DATE_FROM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	RSDATEFROM	DATS	8		0 Valid-From Date	
DATE_TO	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	RSDATETO	DATS	8		0 Valid-to date	
QUANTITY	<input type="checkbox"/>	<input type="checkbox"/>	ZQUAN	QUAN	17	3	quantity	
UNIT	<input type="checkbox"/>	<input type="checkbox"/>	ZMEINS	UNIT	3		0 unit of measure	

Create an Infoset on the Table for reporting; generate an ECC Query (T-Code: SQ00) to fetch the required data match for KPI.

Query from User Group ZSUPM_REPORT: Initial Screen

Name	Title	InfoSet	Logical Databa...	Table/View/Join
ZSUPM_...	SAP Query: ...	ZSUPM_..._IS001		ZSUPM_..._DATA
ZSUPM_...	SAP Query: ...	ZSUPM_..._IS001		ZSUPM_..._DATA
ZSUPM_...	SAP Query: ... Consumption	ZSUPM_..._...		ZSUPM_..._DATA
ZSUPM_...	SAP Query: ... Consumption	ZSUPM_..._...		ZSUPM_..._DATA
ZSUPM_...	ZSUPM_..._AREA_Q001	ZSUPM_..._...		ZSUPM_..._AREA
ZSUPM_...	SAP Query: ... Data	ZSUPM_..._...		ZSUPM_..._DATA

Select the Output Values for the Query, SAP SuPM V1.0 Automated script only retrieves one value from the Source. Multiple values can be retrieved from the source in SAP SuPM 2.0

InfoSet Query (Query: SAP Query: ... Consumption)

Te...	Field name	Option	Value	Furt...
	organizational Assignment	◇		↔
	Valid-From Date	◇		↔
	Valid-to date	◇		↔

Maintain Test Values in the system Table as described previously.

SAP Query: ... Consumption

Organization	Valid from	To	ZSUPM_..._DATA-QUANTITY	UoM
00000509	01.10.2010	31.10.2010	5.000	TO
00000509	01.11.2010	30.11.2010	5.000	TO

Maintain the ECC Query name in SPRO

SPRO → SAP Customizing Implementation Guide → Sustainability Performance Management → Automated Data Collection → Maintain SAP Queries, Execute

The screenshot shows the SAP Customizing Implementation Guide (IMG) structure tree. The tree is expanded to show the following nodes:

- SAP Customizing Implementation Guide
 - Activate Business Functions
 - SAP NetWeaver
 - Cross-Application Components
 - Sustainability Performance Management
 - General
 - Role
 - Manual Data Collection
 - Automated Data Collection
 - Maintain Connectors
 - Maintain Script Variables
 - Maintain SAP Queries
 - Maintain BW Queries
 - Maintain Web Services
 - Core KPI Attributes

Make the relevant entries “Query Name, Connector ID, User Group / Infoprovider, Select Global Area”

The screenshot shows the SAP 'New Entries: Details of Added Entries' form. The form contains the following fields:

- Query Name: test
- SAP Queries section:
 - Connector ID: V3R3_SERV3
 - Usr Grp or InfoProv: ZSUPM_REPORT
 - Query Area: Global Area

Query Name	Connector ID	User Group or InfoProvider
TEST	V3R3_SERV3	ZSUPM_REPORT
ZSUPM_	V3R3_SERV3	ZSUPM_REPORT
ZSUPM_	V3R3_SERV3	ZSUPM_REPORT
ZSUPM_	V3R3_SERV3	ZSUPM_REPORT

You can find the relevant Query Added.

Logon to the SuPM Application via portal,

Select **“Automated Script Management”**

You should find the relevant Script in the available list of Scripts. Click **“Create”**

Script Name	Script Description	Script Type	Connector ID
NWC_ECC	Net Water Consumption	SAP Query	supm to ecc idc
Electricity consumption_ECC	Electricity consumption_ECC	SAP Query	supm to ecc idc
ZTEST	TEST CONSUMPTION	SAP Query	supm to ecc idc

Fill up all the required entries step by step.

Select Script Type as **“SAP Query”**

Create Script

Automated KPI Script

Save Cancel

Script: * test

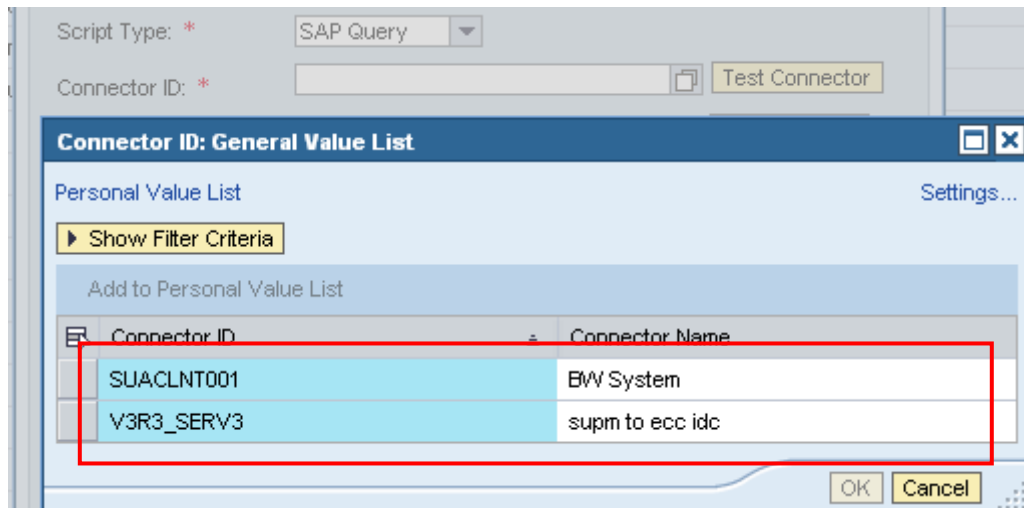
Description: test

Script Type: * **SAP Query**

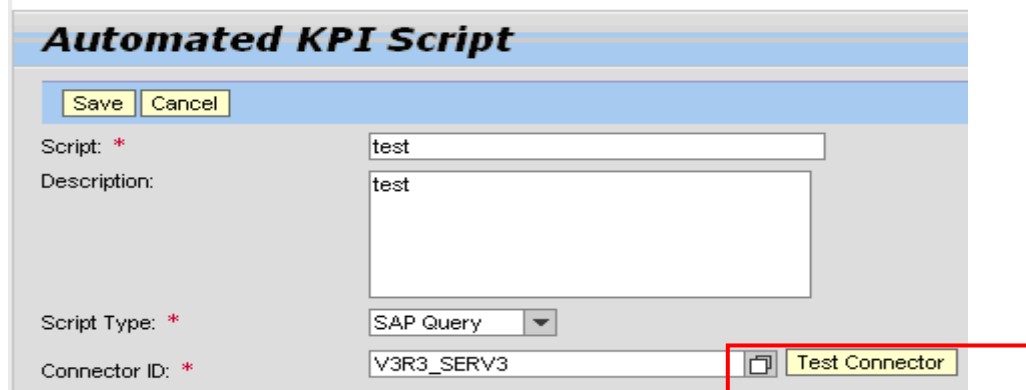
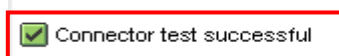
Connector ID: * Test Connector

Query: * Query Lookup

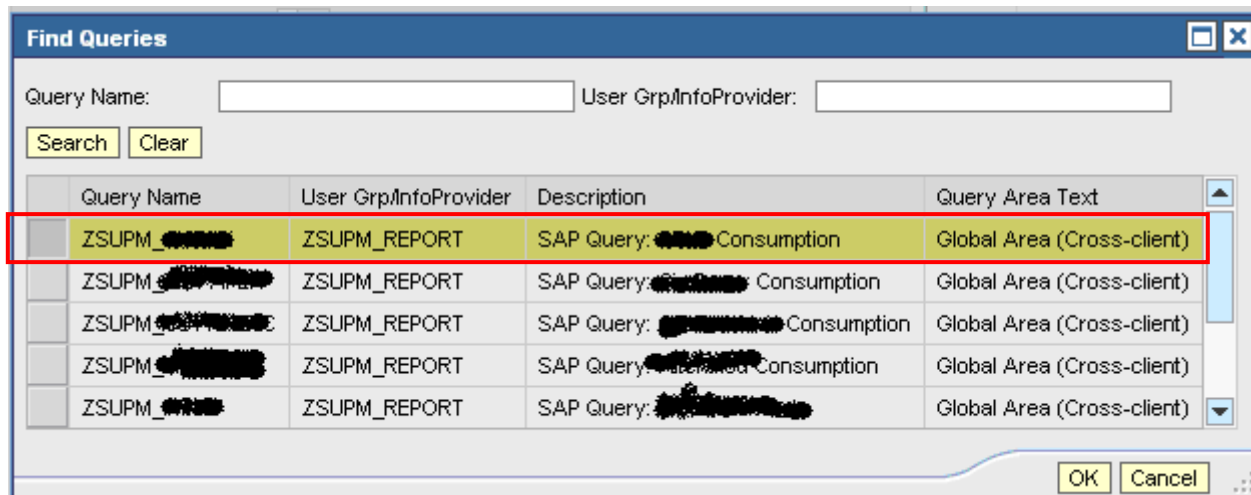
Select the Connector ID and perform the **“Test Connector”** option



Click “Test Connector” → check for the status of the connection in the result area



Select the required ECC Query relevant for the KPI



Select the value that has to be passed through ECC Scripts

Script Type: * SAP Query

Connector ID: * V3R3_SERV3 Test Connector

Query: * ZSUPM_ Query Lookup

Value Column: * organizational Assignment

Currency/UoM Column: Valid-From Date

Aggregation Type: * Valid-to date

Selection Table quantity

Select the aggregation type that has to be performed on the value column.

Script Type: * SAP Query

Connector ID: * V3R3_SERV3 Test Connector

Query: * ZSUPM_ Query Lookup

Value Column: * quantity

Currency/UoM Column: quantity UoM

Aggregation Type: * Arithmetic Average

Selection Table

Selection Option Valid-F

Name	OPTION	Low Value	High Value
Valid-From Date			
Valid-to date			
organizational Assignr			

Select the required variables and respective options to collect data.

Connector ID: * V3R3_SERV3 Test Connector

Query: * ZSUPM_ Query Lookup

Value Column: * quantity

Currency/UoM Column: quantity UoM

Aggregation Type: * Sum

Selection Table

Selection Option Valid-From Date Add Remove

Name	Mand.	SIGN	OPTION	Low Value	High Value
Valid-From Date	<input type="checkbox"/>	Range limit included	Equal to	0DATE_FROM	
Valid-to date	<input type="checkbox"/>	Range limit included	Equal to	0DATE_TO	
organizational Assignment	<input type="checkbox"/>	Range limit included	Equal to	0ORGUNITID	

Login to the SuPM Application and under the KPI library search for the KPI that has to be made automated.

Edit the Selected KPI, Under data collection Select the Automation as “Automatic”

The screenshot shows the 'KPI Library' edit screen. The 'Data Collection' section is expanded, showing the following settings:

- Allow Organization Opt-Out: Yes No
- Allow Organization Changes: Yes No
- Associated Materials:
- Warning Threshold Type: Prior Period
- Warning Thresholds: Minimum 0 % Maximum 0 %
- Automation: Automatic Manual
- Script: [Redacted]

The Script list box should list the script that has been created.

Select the respective script to be added to the KPI from the list box drilldown.

The screenshot shows the 'Data Collection' section with the 'Script' dropdown menu open, displaying the option 'test'.

- Allow Organization Opt-Out: Yes No
- Allow Organization Changes: Yes No
- Associated Materials:
- Warning Threshold Type: Prior Period
- Warning Thresholds: Minimum 0 % Maximum 0 %
- Automation: Automatic Manual
- Script: test

Save and exit the KPI edit screen.

Post configuration checklist:

- Check whether the KPI is listed in the Respective active reporting framework
- In SuPM Application make sure that the automated KPIs are opted out for respective Organizational units. This you can check under “MY KPIs list”.

Post configuration steps:

- Run the application data gathering procedure for capturing the data automatically.
- Execute the Reports to check for the values.

Related Content

The below links refers to my previous articles on SuPM v1.0

<http://www.sdn.sap.com/irj/scn/index?rid=/library/uuid/8044cb3a-643a-2d10-a185-fc0fcbafc47e>

<http://www.sdn.sap.com/irj/scn/index?rid=/library/uuid/a0bf2a5e-643a-2d10-f5b3-edd6c1051032>

<http://www.sdn.sap.com/irj/scn/index?rid=/library/uuid/e0f4a3c6-9156-2d10-95bc-d8610149644c>

http://help.sap.com/saphelp_supm75/helpdata/en/4b/b83f9a08154925aac2b912419ed7cb/frameset.htm

<http://www.sdn.sap.com/irj/bpx/sustainability>

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