Lego Case Study - Collector Example/Template

FUNCTION z\_lego\_data\_collector\_templ

EXPORTING

iv\_json TYPE string

iv\_response TYPE string.

DATA : "lt\_ekko\_output TYPE TABLE OF ekko,

"ls\_ekko\_output TYPE ekko,

lv\_day\_minus\_30 TYPE d,

lt\_output\_tab TYPE TABLE OF zlego\_monitr\_tab,

ls\_output\_str TYPE zlego\_ekko\_ekpo\_out,

lv\_output TYPE string,

lv\_datum TYPE d.

\*--Calculate 30 days back from today

lv\_datum = cl\_abap\_context\_info=>get\_system\_date( ).

lv\_day\_minus\_30 = lv\_datum - 30.

\*--Query table using filter and only selecting required fields.

SELECT a~bstyp a~bsart a~aedat a~statu b~aedat b~plifz

FROM ekko AS a JOIN ekpo AS b ON a~ebeln = b~ebeln

INTO CORRESPONDING FIELDS OF TABLE lt\_output\_tab

WHERE

a~aedat < lv\_day\_minus\_30

AND b~plifz > 100.

\*--If an non zero return code is received from the query we populate the output response with a valid message and exit the FM as there is no data.

IF sy-subrc <> 0.

iv\_response = 'Error Received from Select. No data returned'.

EXIT.

ENDIF.

\*--Insert selected records into collector specific monitor table

INSERT zlego\_monitr\_tab FROM TABLE @lt\_output\_tab.

\*--Convert selected records to json and populate exporting json field.

iv\_json = /ui2/cl\_json=>serialize( data = lt\_output\_tab

compress = abap\_true

pretty\_name = /ui2/cl\_json=>pretty\_mode-camel\_case ).

ENDFUNCTION.