

Variable Exits - Using ABAP Class instead of include ZXRSRU01

Step 1 - Create a BEX Variable

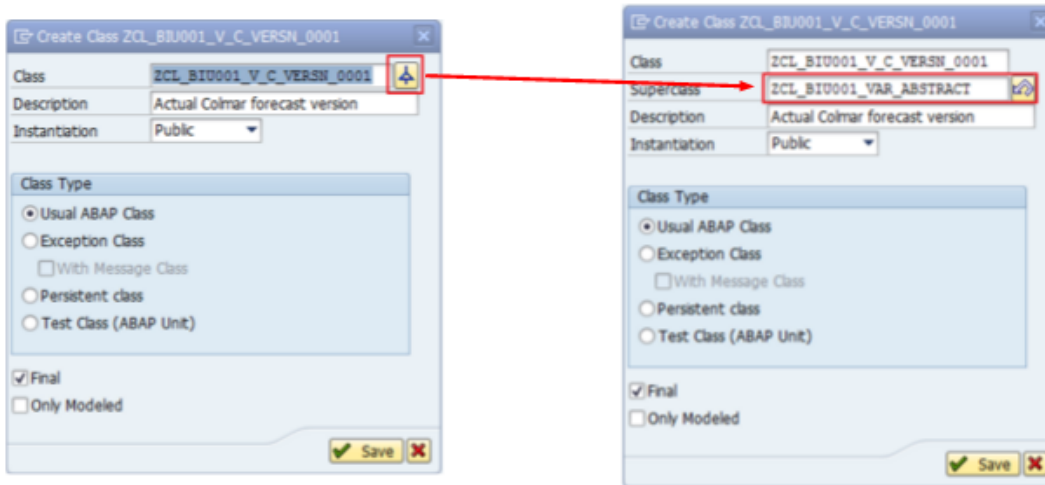
Done directly in the Query Designer.

Please follow [naming conversion](#).

Step 2 - Create an implementation class

1 - Use Transaction SE24.

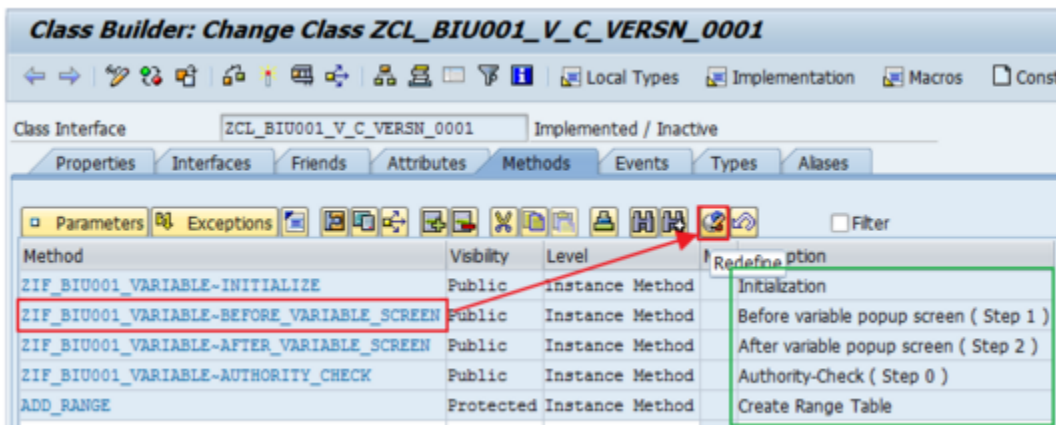
2 - Create a new class inheriting of ZCL_BIU001_VAR_ABSTRACT



Step 3 - Redefine one class method

Select the method according to your need.

Select the right method & click Redefine.



All former exit relevant parameters are available as attributes of the superclass

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DATA :
  l_it_c_inv_pr TYPE TABLE OF /bic/ole_inv_pr,"Table Investment Proj
  l_s_range     TYPE rsr_s_rangeid,
  loc_var_range TYPE rrs0_s_var_range.

FIELD-SYMBOLS <l_fe_c_inv_pr> TYPE /bic/ole_inv_pr.

REFRESH rt_range.
CLEAR l_s_range.

LOOP AT it_var_range INTO loc_var_range
WHERE vnam = 'V_C_MA_PR_0001'.

  IF NOT loc_var_range-low IS INITIAL.
    SELECT /bic/c_inv_pr
    INTO TABLE l_it_c_inv_pr
    FROM /bic/pr_inv_pr
    WHERE objvers = 'A'
    AND   /bic/c_ma_pr = loc_var_range-low.

    IF sy-subrc = 0.
      l_s_range-sign = 'I'.
      l_s_range-opt = 'EO'.

      LOOP AT l_it_c_inv_pr ASSIGNING <l_fe_c_inv_pr>.
        l_s_range-low = <l_fe_c_inv_pr>.
        APPEND l_s_range TO rt_range.
      ENDOLOOP.
    ENDF.
  ENDF.
ENDLOOP.

```

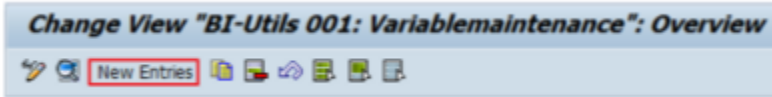
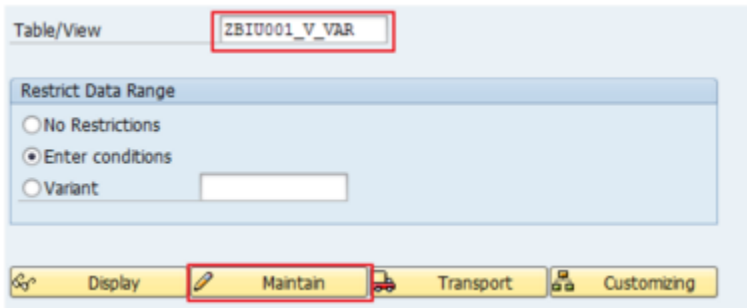
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method ZIF_BIU001_VARIABLE-INITIALIZE.
  p_vartyp = i_vartyp.
  p_iobjnm = i_iobjnm.
  ps_cob_pro = is_cob_pro.
  ps_rkbid = is_rkbid.
  p_periv = i_periv.
endmethod.

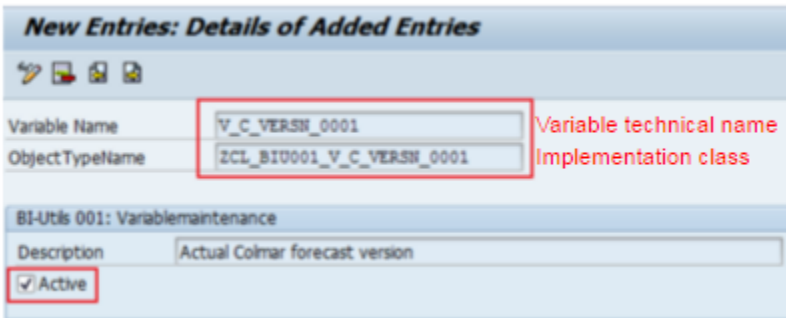
```

Step 4 - Maintain link between the variable & the implementation class

Go to transaction SM30, Table ZBIU001_V_VAR



Don't forget to transport the table entry (A customizing order is automatically requested) :



Important notes

- Processing of I_STEP = 3 is still in the exit. As it is not dependent on one variable & is used for specific purposes.
- Don't redefine the method INITIALIZE : It's only used internally for parameters creation.