

DDIC: TYPE GROUP IN DETAIL

Introduction: Hey this document explains the creation of type group and its use in ABAP program.

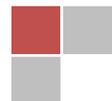
What is type group: There are several type groups available in SAP. For example 'ABAP' and 'SLIS' etc. To use them in program we use key word 'TYPE-POOLS'. It allows us to define non-predefined types. Combination of all such non-predefined types is known as type-pool or type-group.

In simple terms, if we want to use some custom types in various programs then we need not define them separately, we can simply create a type group in ABAP dictionary and use that in our programs.

Steps to create:

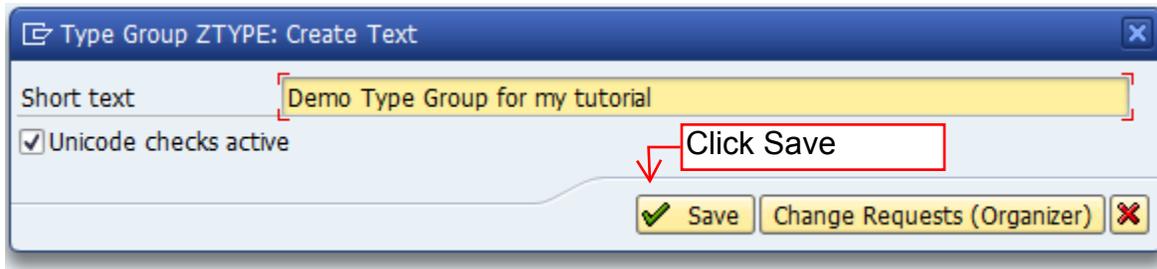
Go to transaction SE11; select the radio button 'Type Group'. Click 'Create' button.

The screenshot shows the 'Create Type Group' dialog box in SAP. It features several radio buttons for selection: 'Database table', 'View', 'Data type', 'Type Group' (which is selected), 'Domain', 'Search help', and 'Lock object'. Each radio button is followed by an input field. The 'Type Group' input field contains the text 'ZTYPE' and is highlighted with a red box. A small icon is visible to the right of the 'ZTYPE' text. At the bottom of the dialog, there are three buttons: 'Display', 'Change', and 'Create'. A red arrow points from a box labeled 'Click Create' to the 'Create' button.



Note: - Maximum length of type-group name can be '5'.

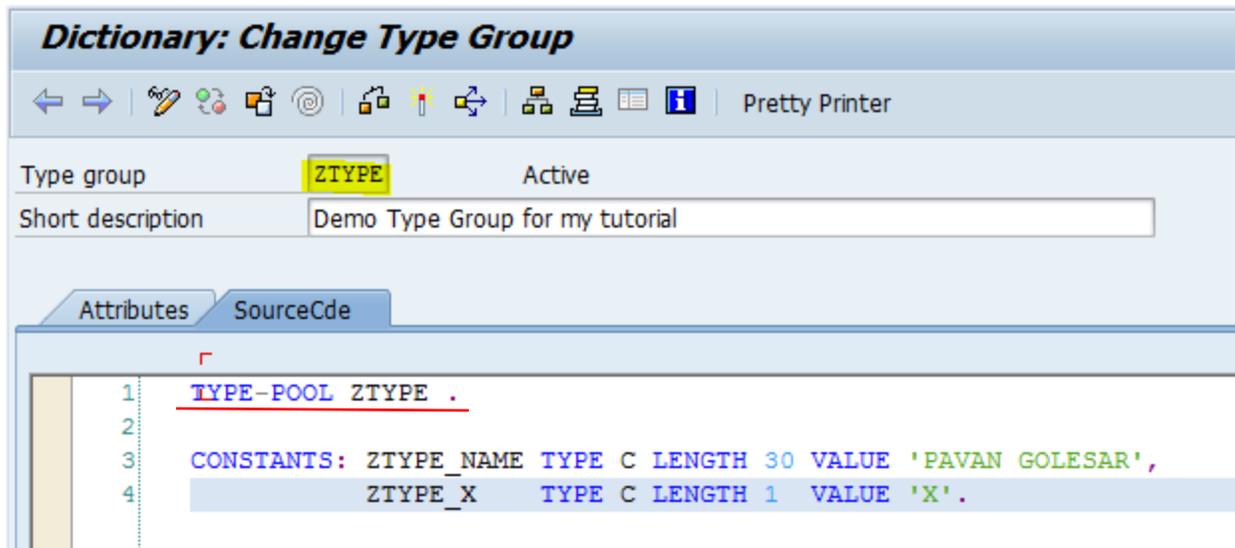
Provide some meaningful description in short text



And click on save button.

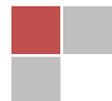
Then next screen appears where we can write our source code as highlighted in the below screenshot. As an example, I have created two constants. One thing that needs to be taken care of while declaring the structures, constants, etc. in **Type Group** is that every object must start with '<name of type group>_'.

In this example the constants that are declared starts with 'ZTYPE_'. The system gives syntax error in case the above naming convention is not followed.



Now save  and activate  the type group.

Now we can use the type group created above in our SAP programs. Please find below the screenshot for the same



ABAP Editor: Change Report ZAP_TEST

Report: ZAP_TEST Active

```

2  **& REPORT ZAP_TEST
3  **& AURTHOR PAVAN
4  **& Date 27th March 2015
5  **& Subject Creation and use of custom type group in Abap program.
6  **&-----*
7  *
8  REPORT ZAP_TEST NO STANDARD PAGE HEADING.
9  *
10 TYPE-POOLS ZTYPE. " Declare this line in Program to be able to use the type group.
11 *
12 DATA: RCODE TYPE C LENGTH 1.
13 *
14 RCODE = 'X'.
15 *
16 IF RCODE = ZTYPE_X.
17     WRITE: 'Name is =>', ZTYPE_NAME.
18 *
19 *
20 ENDIF.
21 *

```

Object(s) activated

SAP 100 V220IDES20 INS

Output will be following:

Name is => PAVAN GOLESAR

Summary: In this way we can create type group and use it in ABAP programs.

Thanks Enjoy Coding 😊

