

# Creating and Using a Feature in SAP HR



## Applies to:

For more information, visit the [Enterprise Resource Planning homepage](#).

## Summary

Features are an inevitable part of HR programming. They are objects that produce an output value depending on the value of the structure fields that are being used and are mostly used to determine default values. This article gives a step by step description for creating a feature and using it in a program.

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## Author Bio

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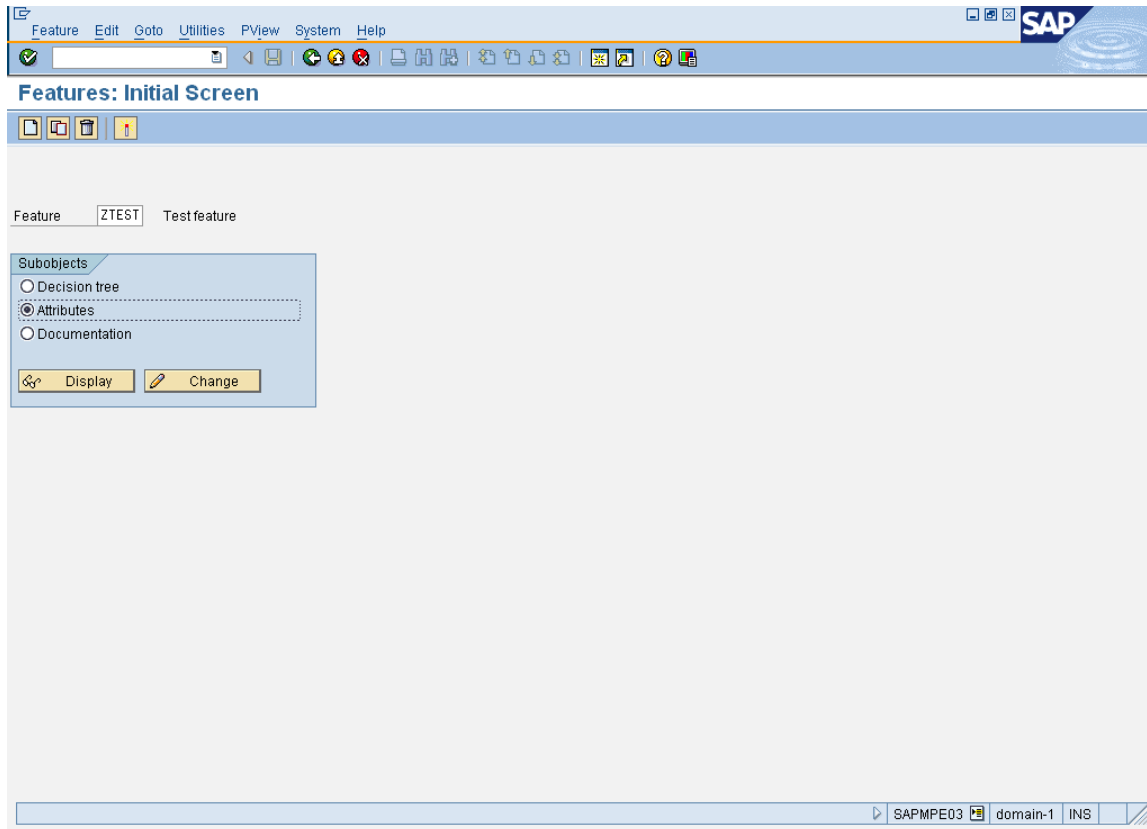
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## Steps for creating a feature

1. Creating the persons responsible
2. Creating the country/component assignment for a feature
3. Creating a structure
4. Creating the decision tree for a feature
5. Creating feature documentation

Feature is created using transaction PE03. Specify the name of the feature that you wish to create, select 'Attributes' and *Create* 



## Creating the persons responsible

In the screen below, the person responsible for the feature and for the Structure/field names can be specified.

**Edit Feature ZTEST: Attribute**

**Documentation**

Title: Test feature

**Feature**

Person responsible: DEVELOPER

☐ Changes only by person responsible

**Structure / field names**

Person responsible: DEVELOPER

☐ Changes only by person responsible

**Administrative data**

Created on: 26.03.2009

Last changed by: DEVELOPER on 26.03.2009 at 13:51:26

Version: 4

Status: 1 Saved/active

Generated program: /1PAPA/FEAT600ZTEST

**Struct** **Country/component assignment**

You are accessing modified feature ZTEST

SAPMPE03 domain-1 INS

## Creating the country/component assignment

When you create a feature, you are required to specify at least one country assignment and at least one component assignment.

Here, we have defined the feature for All Countries for Master Data Management

**Feature** **ZTEST** Test feature

**Country Assignment**

All Countries

Germany

Switzerland

Austria

Entry 1 of 38

**Component Assignment**

Master data management

Time data management

Attendance times

Attendance and work order times

Entry 1 of 29

## Creating a structure

Next, assign a structure to the feature and choose the fields whose values will be used as the decision factor. Here, structure PME12 is assigned and Employee Group and Subgroup fields are selected.

**Edit Feature ZTEST: Structure**

Feature **ZTEST** Test feature

**Basic information**

Structure name for decision fields **PME12** Field String for Feature: CC/PI/PIIS/PG/PSg an

Back value field name

Passing type **1** Field transfer

☐ Subfeature

**Valid fields for decisions**

| Field | Description       |
|-------|-------------------|
| BUKRS | Company Code      |
| WERKS | Personnel Area    |
| BTRTL | Personnel Subarea |
| PERSG | Employee Group    |
| PERSK | Employee Subgroup |
| MANDT | Client            |

Entry **1** of 6

You are accessing modified feature ZTEST

SAPMPE03 domain-1 INS

## Creating the decision tree

The decision tree decides the return value of the feature based on the values of the selected fields of the structure.

**Process feature ZTEST: dec**

**ZTEST** Test feature

You are accessing modified feature ZTEST

Select the name of the feature and **Create** . Opt for 'Field for decision operation'

**ZTEST: Choose node type for new nodes**

☐ Return value  
☒ Field for decision operation  
☐ Subfeature  
☐ Program  
☐ Debugging operation

Subfeature:   
 Program:   
 Debugging operation:

☒ ☐

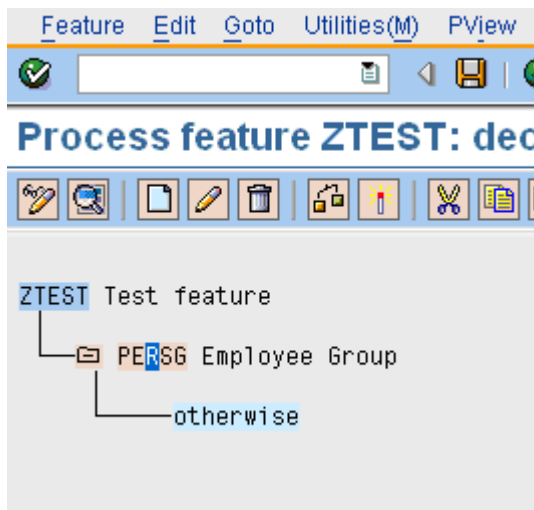
Select the field name and click on Transfer

**Field selection for decision operation**

| Fld   | Meaning           | Length |
|-------|-------------------|--------|
| PERSG | Employee Group    | 1      |
| PERSK | Employee Subgroup | 2      |
|       |                   |        |
|       |                   |        |
|       |                   |        |
|       |                   |        |
|       |                   |        |
|       |                   |        |

☒ Transfer
 ☐ Technical Information
 ☐ FldComp.
 ☐ Comparison Value
 ☐ Comparison field
 ☐

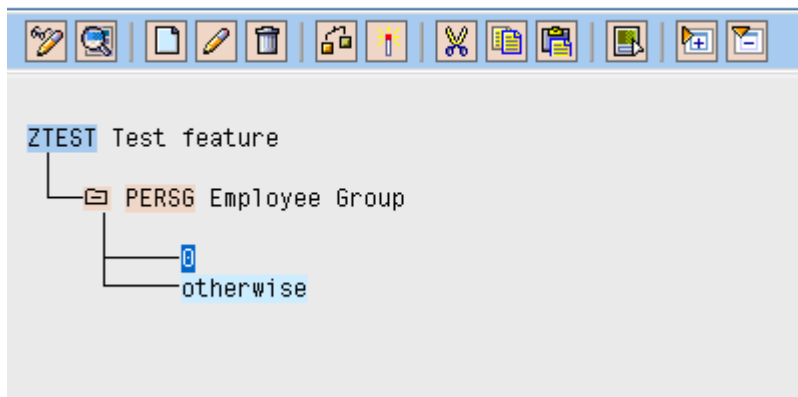
A node 'PERSG' is created under the feature. Next, select the node and *Create* 



A pop-up appears where the value for 'PERSG' has to be specified.

Next, create a sub node for PERSG by selecting the value '0' and clicking on *Create* 

## Process feature ZTEST: decision tree



**0: Choose node type for new nodes**

☐ Return value  
☒ Field for decision operation  
☐ Subfeature  
☐ Program  
☐ Debugging operation  
☐ Error operation  
☐ Comment

Subfeature:   
 Program:   
 Debugging operation:

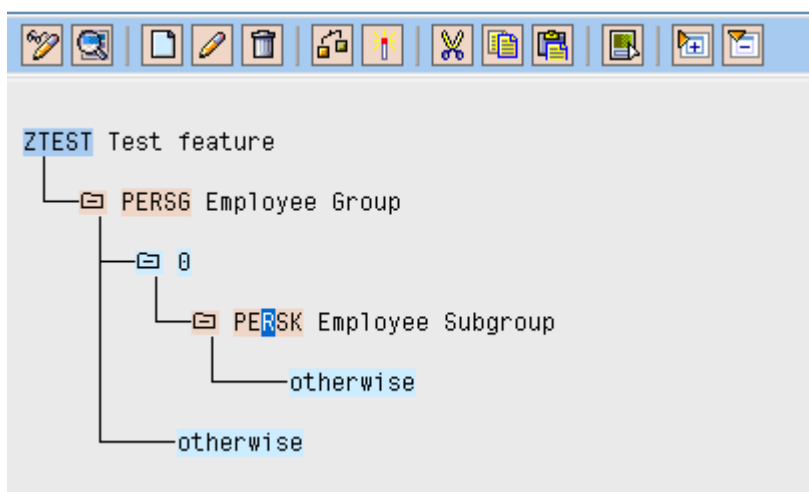
☒ ☐

Specify the sub node as 'PERSK'

**Field selection for decision operation**

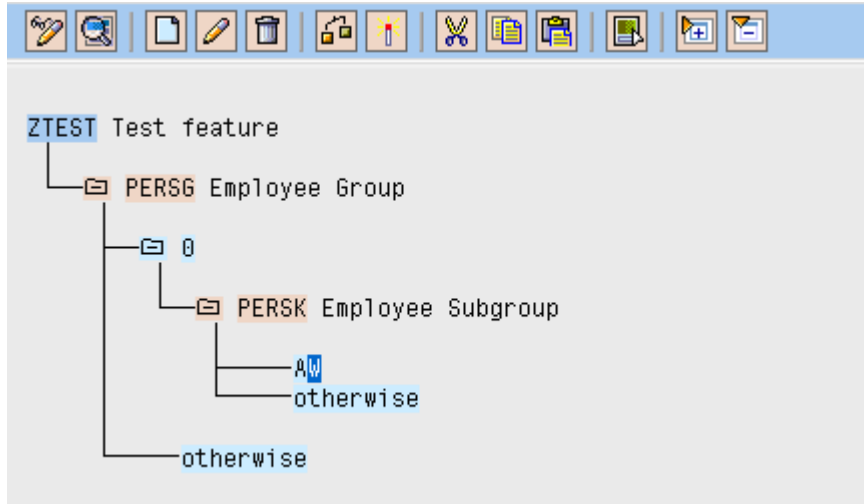
| Fid   | Meaning           | Lngh |
|-------|-------------------|------|
| PERSG | Employee Group    | 1    |
| PERSK | Employee Subgroup | 2    |
|       |                   |      |
|       |                   |      |
|       |                   |      |
|       |                   |      |
|       |                   |      |
|       |                   |      |
|       |                   |      |

☒ Transfer  
 ☐ Technical Information  
 ☐ FidComp.  
 ☐ Comparison Value  
 ☐ Comparison field  
 ☐



Next, enter the value for 'PERSK'

Now, create a return type for this combination of 'PERSG' (0) and 'PERSK' (AW). Here, we create the return value as 'Type 1'



AW: Choose node type for new nodes

☒ Return value

☐ Field for decision operation

☐ Subfeature

☐ Program

☐ Debugging operation

☐ Error operation

☐ Comment

DEVELOPER

✓ ✗

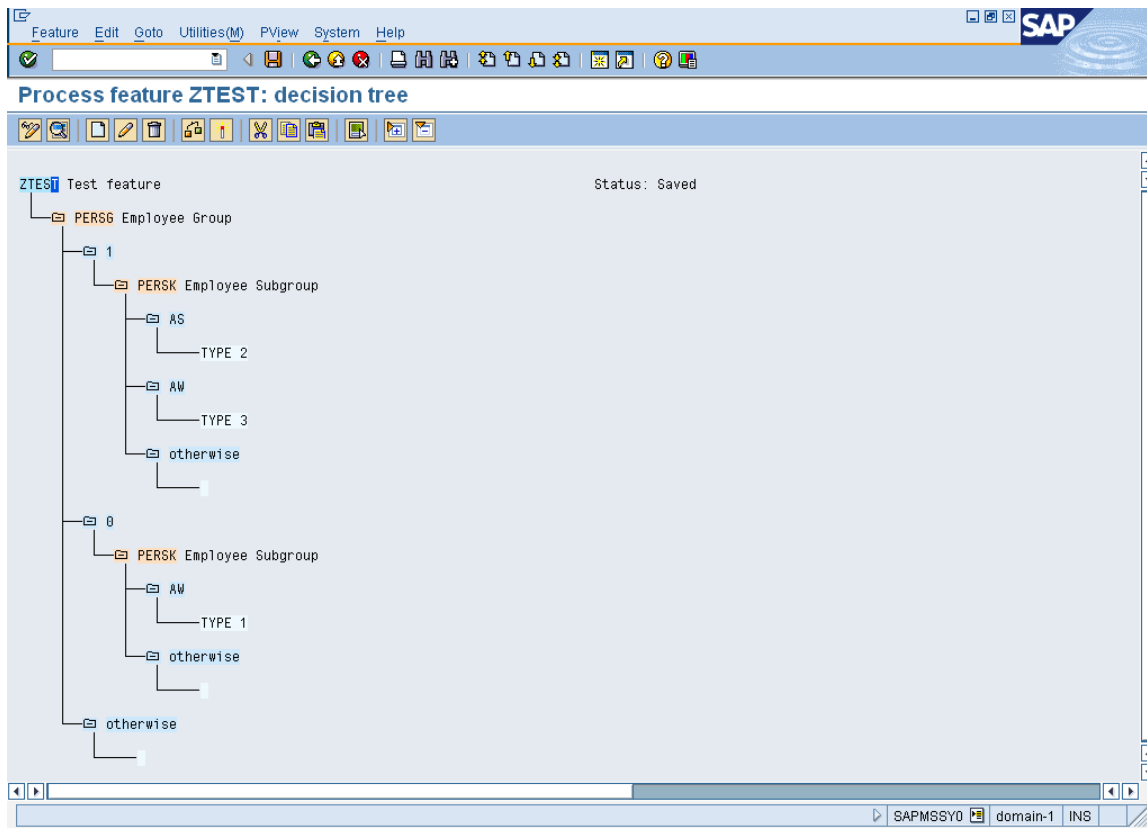
Return value for field value AW

Enter a value

Type 1

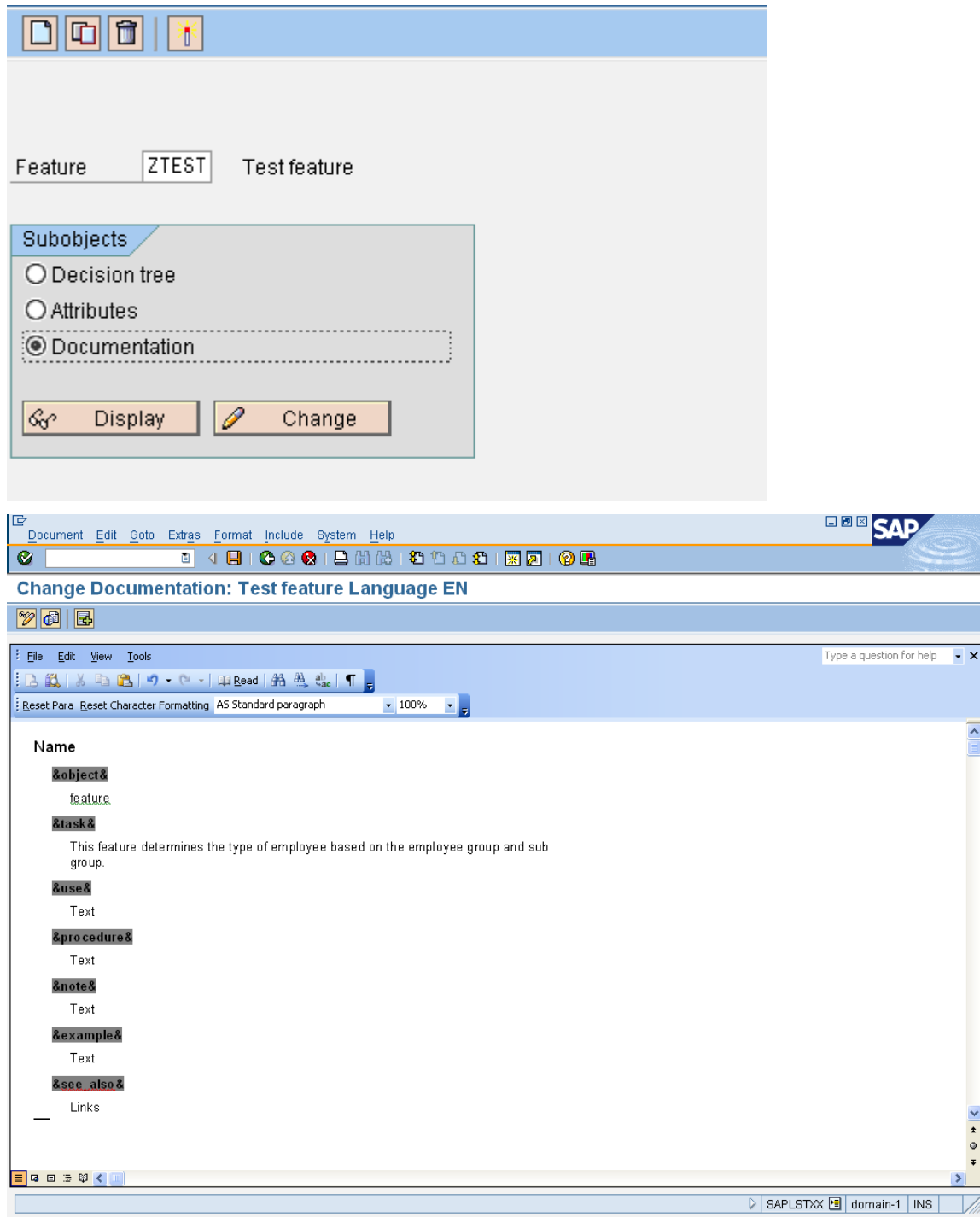
✓ Transfer ✗

Continue the same steps as above for different values of PERSG and PERSK and create a structure as shown below



## Creating feature documentation

The last, but most important step is documentation. Provide a short description of the use of the feature so that it will be useful for others to use it.



## Reading a feature

The feature can be read in a program by calling the subroutine re549d. The program below takes Employee group (PERSG) and Employee subgroup (PERSK) as input and fetches the corresponding return value (Employee Type) as output.

```
REPORT  ZTEST_FEATURE.
TABLES: PME12.
DATA emp_type TYPE CHAR6.
PARAMETER p_persg TYPE persg.
PARAMETER p_persk TYPE persk.
PME12-persg = p_persg.
PME12-persk = p_persk.
PERFORM re549d USING 'ZTEST'      "name of feature
                        space
                        emp_type   "output
                        sy-subrc.

write emp_type.
INCLUDE RPUMKC00.                  "program from which the subroutine is called
```

## Related Content

[http://help.sap.com/erp2005\\_ehp\\_04/helpdata/EN/4f/d523ee575e11d189270000e8322f96/frameset.htm](http://help.sap.com/erp2005_ehp_04/helpdata/EN/4f/d523ee575e11d189270000e8322f96/frameset.htm)

[http://help.sap.com/erp2005\\_ehp\\_04/helpdata/DE/43/21f7c74a032be8e10000000a1553f7/frameset.htm](http://help.sap.com/erp2005_ehp_04/helpdata/DE/43/21f7c74a032be8e10000000a1553f7/frameset.htm)

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