

THIS IS FOR THE PLAIN VARIANT CONFIGURATION.

Starting with creating a class

The best naming convention is name the class same as the material name

Let's suppose your material name is NISSAN, create a class with name NISSAN of class type 300. Now coming to characteristics, name them as NISSAN_COLOR, NISSAN_CC.

Creating class NISSAN

Transaction code: **CL04**

Look at the screen shot below

Display Class:

The screenshot shows the SAP CL04 Display Class screen. At the top, there is a 'Change language' button. Below it, the class name 'NISSAN' is entered in the 'Class' field, and '300' is entered in the 'Class type' field. The 'Valid from' date is '08/24/2005'. The 'Basic data' tab is selected, showing the 'Description' as 'NISSAN SENTRA', 'Status' as '1 Released', 'Class group' as 'Z', and 'Valid from' as '08/24/2005'. The 'Valid to' date is '12/31/9999'. The 'Same classification' section has 'Do not check' selected. The 'Administrative data' section shows 'Created by' as 'PCC_USER' and 'Created on' as '08/24/2005'.

Class	NISSAN
Class type	300
Change number	
Valid from	08/24/2005
Validity	

Basic data | Keywords | Char. | Texts | Document | Std | Addnl data

Basic data

Description	NISSAN SENTRA
Status	1 Released
Class group	
Organizational area	Z
Valid from	08/24/2005
Valid to	12/31/9999

Same classification

☒ Do not check
☐ Warning message
☐ Check with error

Administrative data

☐ Assignments

Created by	PCC_USER
Created on	08/24/2005

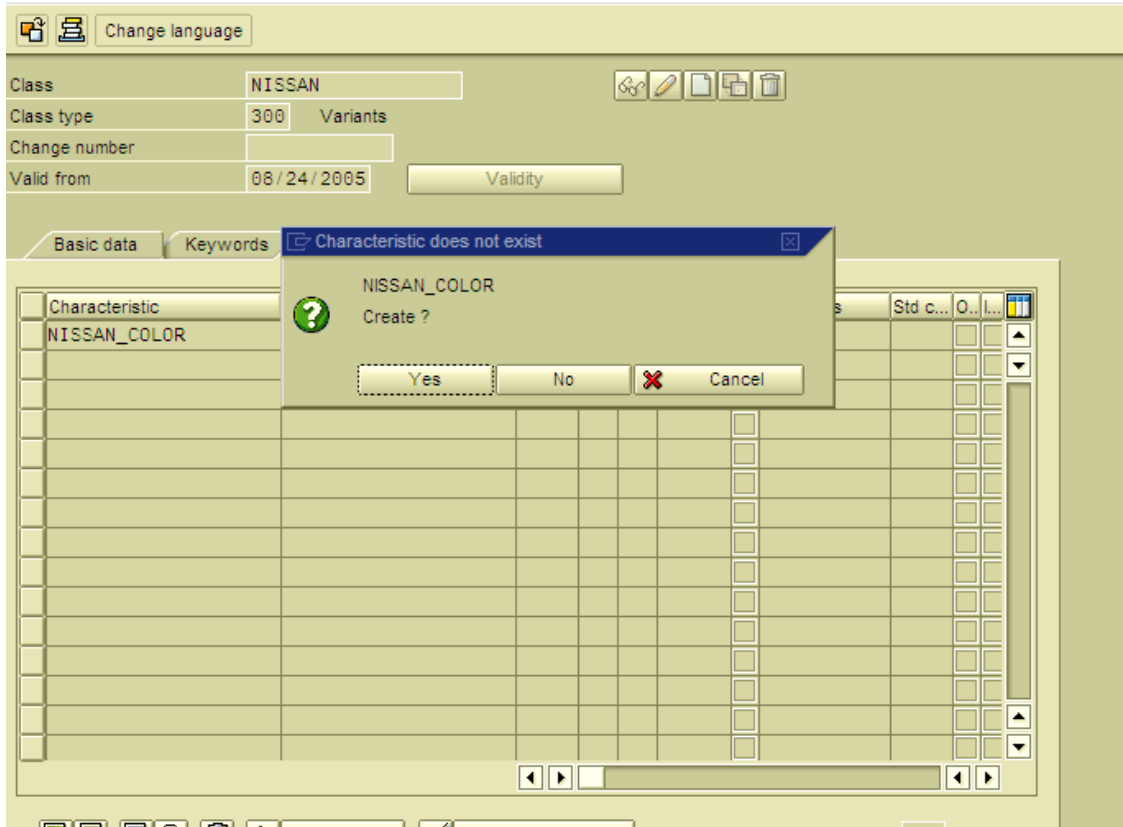
Next go to the characteristic view.

Get more SAP Sales and Distribution Tips:

<http://www.erpgreat.com/sap-sd.htm>

Add the characteristic NISSAN_COLOR. If the characteristic exists it will take it, else it will prompt you to create the char

Create Class:



Say yes

If you don't want leave it as it is and creates the char for later just save it.

Creating a characteristic: Transaction code: **CT04**

Here is the screenshot for basic data

Next enter the characteristic values

Screen shot:

Get more SAP Sales and Distribution Tips:

<http://www.erpgreat.com/sap-sd.htm>

Create Characteristic

Characteristic: NISSAN_COLOR

Change number:

Valid from: 08/24/2005

Validity:

Basic data | Descriptions | **Values** | Addnl data | Restrictions

☐ Additional values

Other Value Check

Allowed Values

Char. value	Description	D	O	S
RED	NISSAN RED			
BLUE	NISSAN BLUE			
BLACK	NISSAN BLACK			

Entry 0 of 0

We can look into this characteristic, if the characteristic is based on the dependency.











There shouldn't be any additional data for this. Now the characteristic is created. SAVE IT

Now create another characteristic called NISSAN_CC

Get more SAP Sales and Distribution Tips:

<http://www.erpgreat.com/sap-sd.htm>

Create Characteristic

Characteristic	NISSAN_CC	    
Change number		
Valid from	08/24/2005	<input type="button" value="Validity"/>
<div>Basic data Descriptions Values Addnl data Restrictions</div>		
<div><div><div>Basic data</div><div><div>Description</div><div>NISSAN - CC</div></div><div><div>Chars group</div><div></div><div></div></div><div><div>Status</div><div>1 Released</div><div></div></div><div><div>AuthGrp</div><div></div></div></div><div><div>Format</div><div><div>Data type</div><div>NUM Numeric format</div><div></div></div><div><div>No. of chars</div><div>4</div></div><div><div>Decimal places</div><div></div></div><div><div>Unit of measure</div><div></div><div></div></div><div><div>Template</div><div></div></div><div><div>Exp. display</div><div>0 No exponent</div><div></div></div></div><div><div>Value assignment</div><div><div><input checked="" type="radio"/> Single-value</div><div><input type="radio"/> Multiple values</div></div><div><div><input type="checkbox"/> Interval vals allowed</div><div><input type="checkbox"/> Negative vals allowed</div><div><input type="checkbox"/> Restrictable</div></div><div><div><input type="checkbox"/> Entry required</div></div></div></div>		

The characteristic value view:

Display Characteristic

Class NISSAN SENTRA
Class type Variants
Characteristic NISSAN - CC

Basic data Descriptions Values Addnl data Restrictions

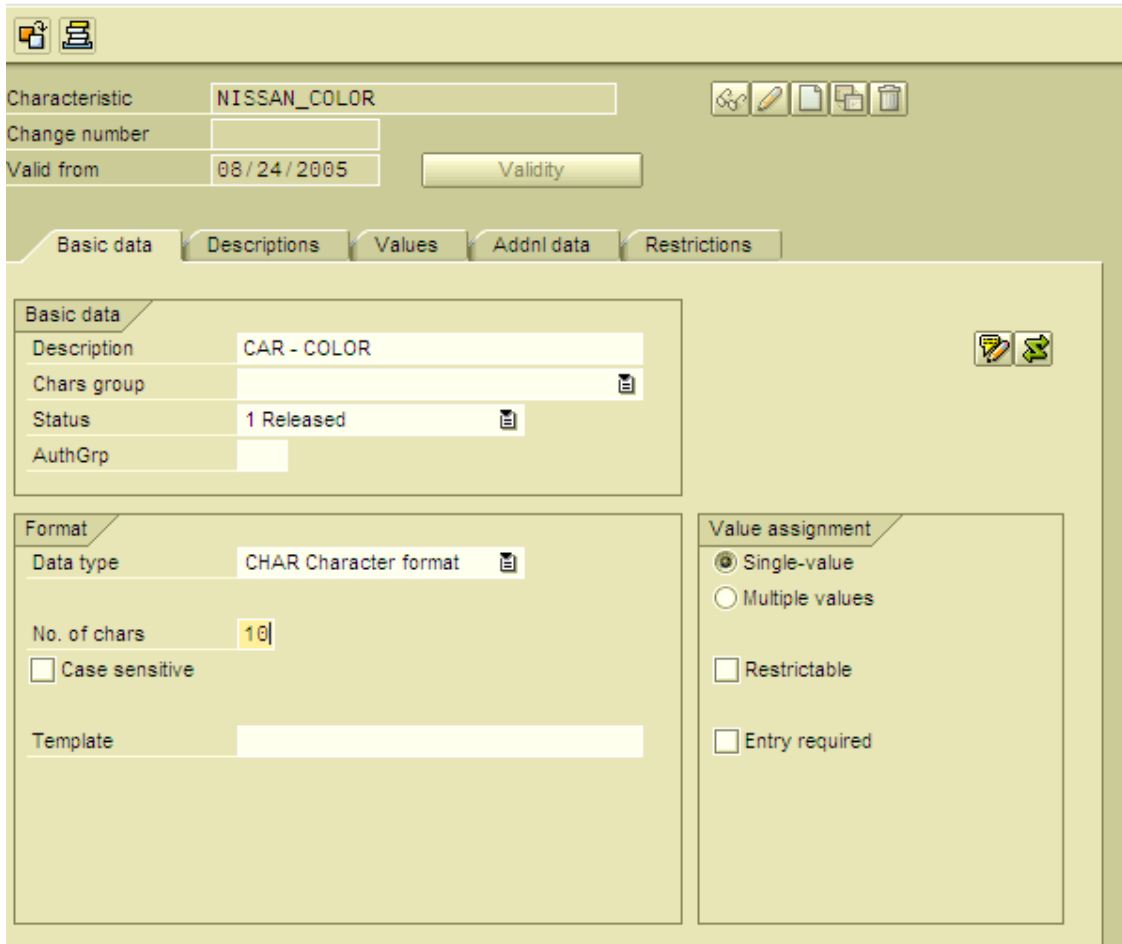
☐ Additional values Unit of measure Other Value Check

Allowed Values

Char. value	D	O
100	<input type="checkbox"/>	<input type="checkbox"/>
200	<input type="checkbox"/>	<input type="checkbox"/>
300	<input type="checkbox"/>	<input type="checkbox"/>
400	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>

Entry of 4

Create Characteristic



Characteristic: NISSAN_COLOR

Change number:

Valid from: 08/24/2005

Validity:

Basic data | Descriptions | Values | Addnl data | Restrictions

Basic data

Description: CAR - COLOR

Chars group:

Status: 1 Released

AuthGrp:

Format

Data type: CHAR Character format

No. of chars: 10

☐ Case sensitive

Template:

Value assignment

☒ Single-value

☐ Multiple values

☐ Restrictable

☐ Entry required

The last characteristic value is the one which represents the variant condition field (vkond). Table is SDCOM

You might need to look into this views with fields coz these are not same as that of the normal values. You don't have any characteristic values for this characteristic. You assign the values in the dependency.

Get more SAP Sales and Distribution Tips:

<http://www.erpgreat.com/sap-sd.htm>

Create Characteristic

Class	NISSAN	NISSAN SENTRA
Class type	300	Variants
Characteristic	SDCOM_VKOND	

Basic data

Descriptions

Values

Addnl data

Restrictions

Basic data

Description

Chars group

Status

AuthGrp

Variant condition for SDCOM

1 Released

Format

Data type

No. of chars

☒ Case sensitive

Template

CHAR Character format

26

Value assignment

☒ Single-value

☐ Multiple values

☐ Restrictable

☐ Entry required

Create Characteristic

The screenshot shows the 'Create Characteristic' configuration screen in SAP. At the top, the 'Class' is set to 'NISSAN' (with 'NISSAN SENTRA' as a hint), 'Class type' is '300' (with 'Variants' as a hint), and 'Characteristic' is 'SDCOM_VKOND'. Below this are tabs for 'Basic data', 'Descriptions', 'Values', 'Addnl data', and 'Restrictions'. The 'Basic data' tab is active, showing a 'Reference to table field' section with 'Table name' 'SDCOM' and 'Field name' 'VKOND'. Below this is a 'Document' section with fields for 'Document', 'Document type', 'Document part', and 'Version'. At the bottom, there are two sections: 'Procedure for value assignment' with checkboxes for 'Not ready for input' (checked), 'No display' (checked), and 'Display allowed values' (unchecked); and 'User entry handling' with a checkbox for 'Unformatted entry' (unchecked).

Now you are done creating the characteristic for this class.

I am trying to make this configuration simple without any classes of type 200.

Ok now let's start creating dependencies.

Let the requirement be like this. For red you get options to select just 100 and 200, for blue you get to select 300 and for black you get to select 400. This doesn't happen in reality, but I just wanted to show how it works.

Transaction code: **CU01**

Let's create the first one

NISSAN_OPTIONS_RED

Get more SAP Sales and Distribution Tips:

<http://www.erpgreat.com/sap-sd.htm>

Maintain Dependency: Basic Data

Dependency editor		Descriptions	
Dependency	NISSAN_OPTIONS_RED		<input type="checkbox"/> SCE format
General data			
Description	Options for RED		
Status	2	In preparation	
Dependency group			
Maintenance auth.			
Dependency type			
<input checked="" type="radio"/> Precondition	<input type="radio"/> Action		
<input type="radio"/> Selection condition	<input type="radio"/> Procedure		
Administrative data			
Created by	PCC_USER	Created on	08/24/2005

Remember when you start creating the dependency the status would be in preparation i.e., 2

When you are done writing the code for the dependency change the status to 1

Now click on the dependency editor

Get more SAP Sales and Distribution Tips:

<http://www.erpgreat.com/sap-sd.htm>

Edit Dependency

Precondition: NISSAN_OPTIONS_RED Options for RED

.....1.....2.....3.....4.....5.....6.....7..

000010 NISSAN_COLOR EQ 'Red'

Check the syntax: CTRL+F2

Now save it and change the status to 1 before completely saving it

Similarly create the options dependency for blue and black

NISSAN_OPTIONS_BLUE, NISSAN_OPTIONS_BLACK

Now let's create dependency for pricing

NISSAN_SET_PRICE

Get more SAP Sales and Distribution Tips:

<http://www.erpgreat.com/sap-sd.htm>

Maintain Dependency: Basic Data

Dependency editor		Descriptions	
Dependency	NISSAN_SET_PRICE		<input type="checkbox"/> SCE format
General data			
Description	Set Price - CAR <input type="checkbox"/>		
Status	2	In preparation	
Dependency group	<input type="text"/>		
Maintenance auth.	<input type="text"/>		
Dependency type			
<input type="radio"/> Precondition	<input type="radio"/> Action		
<input type="radio"/> Selection condition	<input checked="" type="radio"/> Procedure		
Administrative data			
Created by	PCC_USER	Created on	08/24/2005

Check for the fields which are selected.

Edit Dependency

Continue replace Concatenate Split line	
Procedure	NISSAN_SET_PRICE Set Price - CAR
.....+.....1.....+.....2.....+.....3.....+.....4.....+.....5.....+.....6.....+.....7..	
000010	
000020	\$SELF.SDCOM_VKOND = 'RED 100' IF NISSAN_COLOR = 'RED' AND
000030	NISSAN_CC = 100,
000040	\$SELF.SDCOM_VKOND = 'RED 200' IF NISSAN_COLOR = 'RED' AND
000050	NISSAN_CC = 200,
000060	\$SELF.SDCOM_VKOND = 'BLUE 300' IF NISSAN_COLOR = 'BLUE' AND
000070	NISSAN_CC = 300,
000080	\$SELF.SDCOM_VKOND = 'BLACK 400' IF NISSAN_COLOR = 'BLACK' AND
000090	NISSAN_CC = 400.

Active (Changed)

Now you are done writing the dependency for variant pricing.

Now Creating configuration Profile

Transaction code: CU41

Configuration profile is where you maintain settings for a particular object. Object can be material, standard network or You may look into help for more information.

I don't have a material right now. Let's end this here. I might create a material and show how you maintain the configuration profile.

SAP Tips by: Sudheer

Get more SAP Sales and Distribution Tips:

<http://www.erpgreat.com/sap-sd.htm>

Resource Guide

Recommended Reading

My SAP SD Certification Experience

Let me share my certification experience with you. Keep following things in mind when preparing for the exam:

<http://www.erpgreat.com/sap-sd/my-sap-sd-certification-experience.htm>

Link Between SAP SD, MM & FI

In SAP you will always get integration with other modules. SD will interact with FI, MM will interact with SD :-

<http://www.erpgreat.com/sap-sd/link-between-sap-sd-mm-and-fi.htm>

SAP SD Transaction codes List

The most frequently used transaction codes are as follows:

<http://www.erpgreat.com/sap-sd/sap-sd-transaction-codes-list.htm>

Standard SAP SD Reports

Those standard reports that are found in Sales and Distribution modules (LIS-SIS).

<http://www.erpgreat.com/sap-sd/standard-sap-sd-reports.htm>

Important Tips for Interview for SAP SD

Let me share some important tips for interview for SAP SD:

<http://www.erpgreat.com/sap-sd/important-tips-for-interview-for-sap-sd.htm>

Get more SAP Sales and Distribution Tips:

<http://www.erpgreat.com/sap-sd.htm>