

Additional Conditions in SAP cProjects Field Control



Applies to:

SAP cProjects ver. For more information, visit the [Product Lifecycle Management homepage](#).

Summary

This article describes how to hide certain fields in cProjects based on the value of another field in cProjects.

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Created on: 28 January 2010

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The Scenario

OK, so you have successfully added some custom fields to your cProjects project. Let us suppose that you want to modify the properties of some of the fields according to values of certain others.

Lets say, that you want to make a field read only based on a check-box field. This is what is presented in this article.

The Coding

Go to the transaction SE38 and create a new report with the name Z_EVAL_CONDS_ZB01. Make sure that the report is an include program. Here ZB01 represents the name of the additional condition that is used (You may give your own 4 letter value here, but do not change the rest of the program name). In this article, I am using the custom additional condition ZB01.

Enter the code below making sure that the length of any line within this report does not exceed 72 Characters.

```

data : lr_project_o    type ref to cl_dpr_project_o,
      ls_condition    TYPE ts_condition_per_node,
      ls_project_chg  type DPR_TS_PROJECT_CHG,
      ls_project_EXT  type DPR_TS_PROJECT_EXT,
      ls_project_int  type DPR_TS_PROJECT_INT.

lr_project_o ?= ir_object.           //to get reference to the current
project

call method lr_project_o->get_data_ext
importing
  es_project_chg = ls_project_chg
  es_project_ext = ls_project_EXT
  es_project_int = ls_project_int
.

if ls_project_chg-EXTENDED_ATTRIBUTES-ZZcheck_box = 'X'. //check field and modify
condition
  ls_condition-condition_value = cl_dpr_co=>sc_true.
Else.
  ls_condition-condition_value = cl_dpr_co=>sc_false.
endif.

ls_condition-node_name = iv_node_name.
ls_condition-node = ir_root_object.
ls_condition-condition_id = 'MV_ZB01'.

INSERT ls_condition INTO TABLE mt_conditions.

```

A brief explanation of the coding is in order. The method get_data_ext gets the fields for the current project and we check the field zzcheck_box. If the field is checked, then the condition is set to true. Otherwise, the condition is set to false.

Dialog Structure

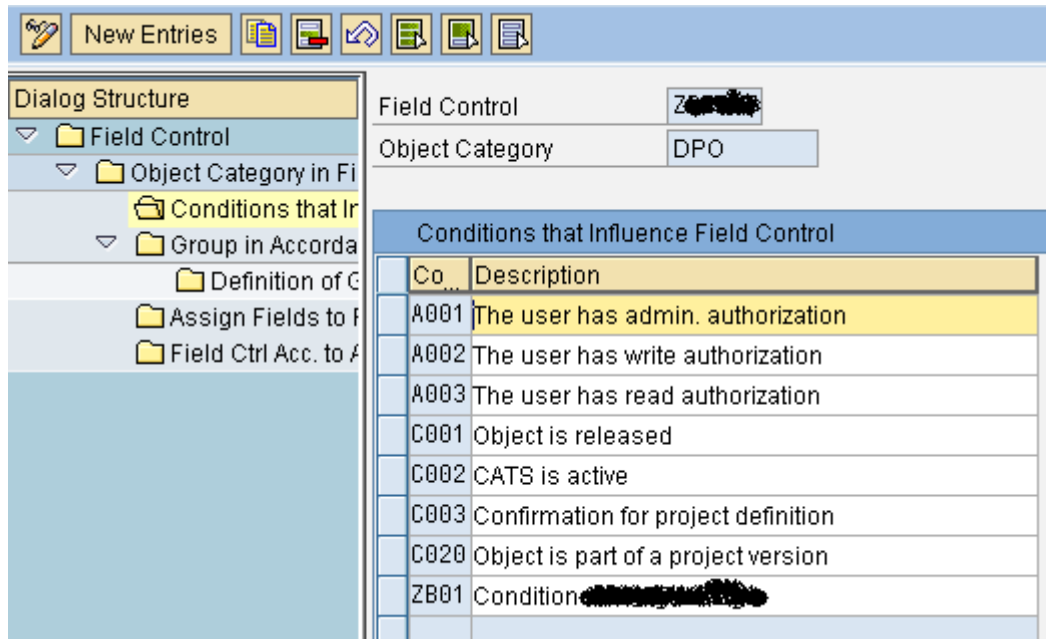
- Field Control
 - Object Category in Fi
 - Conditions that Ir
 - Group in Accord
 - Definition of C
 - Assign Fields to f
 - Field Ctrl Acc. to f

Field Control ZB01

Object Category in Field Control

Obj.Cat.	Description
AAG	Distribution to Link to Business Partner
ACO	Authorization Object
ATO	Approval
ATT	Approval (Template)
BAG	Link to Business Partner
BAGT	Link to Business Partner (Template)
CPT	Checklist (Template)
CTO	Checklist
DAG	Document
DAV	Document Version
DPO	Object Definition
DPT	Project (Template)
EAG	Project Element Link to Role
EAGT	Project Element Link to Role (Template)
FAG	Collaboration
GAG	Business Partner (Favorite)
GAGT	Business Partner (Favorite, Template)
HAG	Qualification
ITO	Checklist Item
ITT	Checklist Item (Template)

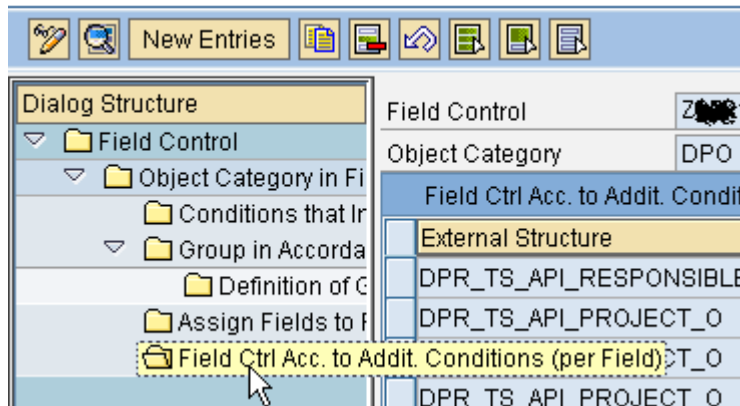
- Double click on conditions that influence field control and create a new entry. The user defined entry here is ZB01.



The screenshot shows the SAP Field Control configuration interface. On the left, the 'Dialog Structure' tree is expanded to 'Field Control' > 'Object Category in Fi' > 'Conditions that Influence Field Control'. The main area displays a table of conditions:

Co...	Description
A001	The user has admin. authorization
A002	The user has write authorization
A003	The user has read authorization
C001	Object is released
C002	CATS is active
C003	Confirmation for project definition
C020	Object is part of a project version
ZB01	Condition [REDACTED]

- Now double click on Field control according to additional conditions (per Field) as shown below.



The screenshot shows the same SAP Field Control configuration interface. The 'Dialog Structure' tree is expanded to 'Field Control' > 'Object Category in Fi' > 'Field Ctrl Acc. to Addit. Conditions (per Field)'. The main area displays a table of conditions:

Field Ctrl Acc. to Addit. Condi	External Structure
DPR_TS_API_RESPONSIBLE	
DPR_TS_API_PROJECT_O	
DPR_TS_API_PROJECT_O	

- Click on New Entry and Enter the Details as given below.

Dialog Structure	
Field Control	Z[REDACTED]
Object Category in Fi	DPO
Conditions that Ir	
Group in Accorda	
Definition of C	
Assign Fields to f	
Field Ctrl Acc. to A	
Field Control	Z[REDACTED]
Object Category	DPO
Condition (ID)	ZB01 Condition for Single Stage
Field Ctrl Acc. to Addit. Conditions (per Field)	
External Struc.	DPR_TS_API_PROJECT_O
Ext. Attribute	ZZ[REDACTED]
Condition Fulfilled	Can Be Displayed
Condition Not Fulfilled	Changeable

Now once the save button is pressed and you select your Transport Request, the code written earlier within the report Z_EVAL_CONDS_ZB01 is used for generating the report /1SAP1/SCMG_Z_EVAL_CONDS_ZB01 automatically.

Whenever a project is opened in cProjects, the latter report is run. It will set the additional condition ZB01 according to the coding that we have specified earlier. Based on this condition, as per the field control defined above, the fields dependant on the field control are modified as display only and changeable respectively.

Related Content

[Setting up field control](#)

[Permanently hiding fields using field control](#)

For more information, visit the [Product Lifecycle Management homepage](#)

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