

Enforce a field (Select List) to be set when another field (Radio Button) has a certain value (works with any kind of field type)

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Features used to implement the example

- [Boolean validator with math, date-time or text-string terms](#)

Example: Enforce a field (Select List) to be set when another field (Radio Button) has a certain value (works with any kind of field type)

We have two fields: "Was the reservation system down?" is a Radio Button with the two possible values "Yes" and "No". Field code is `%{13000}`. This field is optional, since it cannot be set at issue creation, but we want to enforce it to be set in a certain transition screen, i.e., we want to require a value for this field in the transition screen. "System root cause" is a Select List with a list of possible causes. Field code is `%{13002}`. This field is optional, and we want to enforce it to be set during the transition screen only in the case field "Was the reservation system down?" is "Yes", otherwise we want to enforce leaving it uninitialized.

To implement that validation we use [Boolean validator with math, date-time or text-string terms](#) with the following configuration:

Boolean expression to be evaluated:
[Line 1 / Col 78]
Syntax Specification and Examples

```

1  %{13000} = "No" AND %{13002} = null OR %{13000} = "Yes" AND %{13002} != null

```

Logical connectives: and, or and not. Alternatively you can also use &, | and !.
Comparison operators: =, !=, >, >=, < and <=. Operators ~, !~, in, not in, any in and none in can be used with **strings**, **multi-valued fields** and **lists**.
Logical literals: true and false. Literal null is used with = and != to check whether a field is initialized, e.g. {00012} != null checks whether **Due Date** is initialized.

Check Syntax

NUMERICAL AND DATE-TIME TERMS

Numeric and Date-Time field values: insert field codes with format {nnnnn}.

Original estimate (minutes) - [Number] - {00068}
Insert Numeric Value

Valid date-time literal formats: yyyy/MM/dd [hh:mm] or yyyy-MM-dd [hh:mm]. Time literals use format: hh:mm.
 There is a set of **mathematical functions** and **time macros and functions** available to be used in your expression.

TEXT-STRING TERMS

Text-String field values: insert field codes with format %{nnnnn} or %{nnnnn.i} for referencing levels in cascading select fields (i = 0 for base level).

Summary - [Text] - %{00000}
Insert String Value

String literals: written in **double quotes**, e.g., "This is a string literal."
String concatenation: use operator '+' to concatenate string values, e.g., "The summary of issue with key " + %{00015} + " is \" + %{00000} + "\".
Escape character: character \ is used with characters "", \, 'n', 'r', 't', 'f' and 'b' to invoke an alternative interpretation.
 There is a set of **string functions** available to be used in your expression.

Skip validation when:

Inhibit the validator under selected circumstances.

☐ Transition is triggered by a **bulk operation**.
☐ Transition is triggered by a **JIRA Workflow Toolbox post-function**.
☐ Current issue is being created by cloning. Only makes sense in *Create Issue* transition.

Message to show when validation fails:

If "Was the reservation system down?" is "Yes" you should select a "Cause", otherwise leave "Cause" empty.

Field code injector:

Summary - [Text] - %{00000}

Field codes with format %(nnnnn) can be inserted in the failure message and its translations, and they will be replaced with actual field values at runtime.

[Set translations for installed languages](#)

Text to be parsed is: `{13000} = "No" AND {13002} = null OR {13000} = "Yes" AND {13002} != null`

Once configured, transition will look like this:

Conditions 0

Validators 1

Post Functions 7

The transition requires the following criteria to be valid

[Add validator](#)

Only if the following mathematical expression is true: **`%{Was the reservation system down?} = "No" AND %{System root cause} = null OR %{Was the reservation system down?} = "Yes" AND %{System root cause} != null`**

Message to show when validation fails: **If "Was the reservation system down?" is "Yes" you should select a "Cause", otherwise leave "Cause" empty.**

Other examples of that function

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Related Usage Examples

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