

# Require issue link when resolving as duplicate

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## Features used to implement the example

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

## Example: Require at least one "duplicates" issue link when resolution = "Duplicate"

When we resolve an issue setting **Resolution** as **"Duplicate"**, we would like to enforce the existence of **at least one linked issue** with issue link type **"duplicates"**.

We use [Boolean Validator with math, date-time or text-string terms](#) with the following configuration:

Boolean expression to be evaluated:
[ Line 1 / Col 66 ]
Syntax Specification and Examples

```

1  %{00028} != "Duplicate" OR count(linkedIssues("duplicates")) > 0

```

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:**

A linked issue with link type "duplicates" is required.

**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: `%{00028} != "Duplicate" OR count(linkedIssues("duplicates")) > 0`

Once configured, transition **"Resolve Issue"** will look like this:

Transition: Resolve Issue

Edit

View Properties

Delete

?

```

graph LR
    OPEN[OPEN] --> ResolveIssue[Resolve Issue]
    IN_PROGRESS[IN PROGRESS] --> ResolveIssue
    REOPENED[REOPENED] --> ResolveIssue
    ResolveIssue --> RESOLVED[RESOLVED]
  
```

Screen: Resolve Issue Screen

Triggers 0

Conditions 1

Validators 1

Post Functions 5

The transition requires the following criteria to be valid

Add validator

Only if the following boolean expression is true: `%{Resolution} != "Duplicate" OR count(linkedIssues("duplicates")) > 0`

Message to show when validation fails: **A linked issue with link type "duplicates" is required.**

## Alternative expression

Since version **2.1.22**, logical connective **IMPLIES** is available. Using it, an equivalent expression can be written like this:

```
%{00028} = "Duplicate" IMPLIES count(linkedIssues("duplicates")) > 0
```

## Other examples of that function

[Page: Block a transition until all sub-tasks have certain fields populated](#)  
[Page: Block an epic's transition depending on linked issues status and due date](#)  
[Page: Block or hide a transition for an issue depending on its issue links](#)  
[Page: Block or unblock a transition after an issue rested a specific time in a status](#)  
[Page: Block transition until all sub-tasks are in a specific status category](#)  
[Page: Close parent issue when all sub-tasks are closed](#)  
[Page: Enforce a field \(Select List\) to be set when another field \(Radio Button\) has a certain value \(works with any kind of field type\)](#)  
[Page: Ensure that all issues linked with a certain issue link type have "Due Date" field set](#)  
[Page: If field A is populated then, field B must also be populated](#)  
[Page: Limit issue creation per role and issue type](#)  
[Page: Limit the number of hours a user can log per day](#)  
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[Page: Make a custom field mandatory when priority is "Critical" or "Blocker" and issue type is "Incident"](#)  
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[Page: Make linked issues, sub-tasks and JQL selected issues progress through its workflows](#)  
[Page: Make parent issue progress through its workflow](#)  
[Page: Prevent issue creation if another issue with same field value already exists](#)  
[Page: Reject duplicated file names in attachments](#)

## Related Usage Examples

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  - [validator](#)
  - [issue-links](#)
- [Require issue link when resolving as duplicate](#)
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- [Ensure that all issues linked with a certain issue link type have "Due Date" field set](#)
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- [Block an epic's transition depending on linked issues status and due date](#)
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- [Add and remove a single or a set of items from multi valued fields](#)
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- [Writing a comment to blocked issues when blocking issues are resolved](#)
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Page: Require at least one sub-task in status "Resolved" or "Closed" when "Testing required" is selected in Check-Box custom field

Page: Require issue link when resolving as duplicate

Page: Restrict parent issue from closing if it has sub-tasks that were created during a given parent issue status

Page: Restrict sub-task type creation depending on parent issue status

Page: Restrict sub-task type creation depending on parent issue type

Page: Set a condition in a global transition which only applies in a certain status

Page: Validate a custom field "Story Points" has been given a value in Fibonacci sequence

Page: Validate compatible values selection among dependent custom fields

Page: Validate only issue links created in transition screen

Page: Validate that multi-user picker custom field A does not contain any user in multi-user picker custom field B

Page: Validation and condition based on time expressions

Page: Validation based on the value of a date type project property

Page: Validation on issue attachments

Page: Validation on MIME types of issue attachments

Page: Validation on sibling sub-tasks depending on issue type and status

Page: Validation on the value of a Cascading Select field

- issue-links
- Prevent issue from moving forward if it's dependent on non-accepted tickets
  - example
  - validator
  - issue-links
  - transition
- Enforce linked issues in a specific project to be "Closed" before closing issue
  - example
  - validator
  - issue-links
  - transition
- Block or hide a transition for an issue depending on its issue links
  - example
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- Prevent transitioning when there is a blocking issue
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- Prevent issue from being "Closed" if blocking issues aren't yet closed
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  - example
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