

# Block or hide a transition for an issue depending on its issue links

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## Features used to implement the examples

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

### Example 1: Block "Start Progress" transition if the issue "is blocked by" an issue in status other "Resolved", "Closed" or "Done"

[Validation on linked issues](#) checks up both, **previously created** issue links, and new issue links **created in transition screen**. When we want to check issue links created exclusively in transition screen, we should use [Boolean validator with math, date-time or text-string terms](#) with a boolean expression with function `transitionLinkedIssues()`. Example: [Validate only issue links created in transition screen](#)

We are going to use [Validation on linked issues](#) to block **"Start Progress"** transition whenever current issue has an **"is blocked by"** issue link with an issue in a status different from **"Resolved"**, **"Closed"** or **"Done"**:

<b>Issue link types:</b>	<div><input checked="" type="checkbox"/> is blocked by</div> <div><input type="checkbox"/> blocks</div> <div><input type="checkbox"/> is cloned by</div> <div><input type="checkbox"/> clones</div> <div><input type="checkbox"/> is duplicated by</div> <div><input type="checkbox"/> duplicates</div> <div><input type="checkbox"/> has Epic</div> <div><input type="checkbox"/> is Epic of</div> <div><input type="checkbox"/> is caused by</div> <div><input type="checkbox"/> causes</div> <div><input type="checkbox"/> relates to</div> <div><input type="checkbox"/> relates to</div>
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Issue types for linked issues:	<div><div><input type="checkbox"/> Epic</div><div><input type="checkbox"/> Story</div><div><input type="checkbox"/> Bug</div><div><input type="checkbox"/> New Feature</div><div><input type="checkbox"/> Task</div><div><input type="checkbox"/> Improvement</div><div><input type="checkbox"/> Sub-task</div></div> <div>Linked issues of selected issue types will be allowed. Nevertheless, if you didn't select any issue type, and checked "Allow unselected issue types", there won't be applied any filter by issue type, i.e., every issue type will be allowed.</div>
Statuses for linked issues:	<div><div><input type="checkbox"/> Open</div><div><input type="checkbox"/> In Progress</div><div><input type="checkbox"/> Reopened</div><div><input checked="" type="checkbox"/> Resolved</div><div><input checked="" type="checkbox"/> Closed</div><div><input type="checkbox"/> To Do</div><div><input checked="" type="checkbox"/> Done</div></div> <div>Linked issues in selected statuses will be allowed. Nevertheless, if you didn't select any issue status, and checked "Allow unselected statuses", there won't be applied any filter by status, i.e., every issue status will be allowed.</div>

Resolutions for linked issues:	<div><div><input type="checkbox"/> UNRESOLVED, i.e. no resolution value</div><div><input type="checkbox"/> Fixed</div><div><input type="checkbox"/> Won't Fix</div><div><input type="checkbox"/> Duplicate</div><div><input type="checkbox"/> Incomplete</div><div><input type="checkbox"/> Cannot Reproduce</div></div> <div>Linked issues with selected resolutions will be allowed. Nevertheless, if you didn't select any issue resolution, and checked "Allow unselected resolutions", there won't be applied any filter by resolution, i.e., every issue resolution will be allowed.</div>
Linked issues must belong to:	<div><div><div><input checked="" type="radio"/> any project</div><div><input type="radio"/> current project</div><div><input type="radio"/> any but current project</div><div><div><input type="radio"/> projects introduced:<div></div></div></div></div><div><div>Introduce a comma separated list of project keys. If you write field codes (format <code>%{nnnnn}</code>) they will be replaced with its values.</div><div><input type="checkbox"/> ignore links to issues in other projects</div></div></div>

<b>Filtering by field values:</b> Optional boolean expression that should be satisfied by linked issues. ( <a href="#">Syntax Specification</a> )	<div>1</div> <div>Leave field empty for no filtering. <span>[ Line 1 / Col 1 ]</span></div> <div> <a href="#">Logical connectives:</a> <b>or</b>, <b>and</b> and <b>not</b>. Alternatively you can also use <b> </b>, <b>&amp;</b> and <b>!</b>.  <a href="#">Comparison operators:</a> <b>=</b>, <b>!=</b>, <b>&gt;</b>, <b>&gt;=</b>, <b>&lt;</b> and <b>&lt;=</b>. Operators <b>~</b>, <b>!~</b>, <b>in</b>, <b>not in</b>, <b>any in</b> and <b>none in</b> can be used with <b>strings</b>, <b>multi-valued fields</b> and <b>lists</b>.  <a href="#">Logical literals:</a> <b>true</b> and <b>false</b>. Literal <b>null</b> is used with <b>=</b> and <b>!=</b> to check whether a field is initialized, e.g. <code>{00012} != null</code> checks whether <b>Due Date</b> is initialized.         </div> <div> <b>String Field Code Injector:</b>  <div>Summary - [Text] - %{00000} ▾</div> <div>Field Code for <b>Current Issue</b>      Field Code for <b>Linked Issues</b></div> </div> <div> <b>Numeric/Date Field Code Injector:</b>  <div>Original estimate (minutes) - [Number] - {00068} ▾</div> <div>Field Code for <b>Current Issue</b>      Field Code for <b>Linked Issues</b></div> </div> <div>           Example 1: <code>{00012} &lt;= ^{00012}</code> will require that linked issues have <i>Due Date</i> equal or later than current issue's <i>Due Date</i>.            Example 2: <code>!{00074} ~ ^!{00074} AND ^!{00017} in ["Blocker", "Critical"]</code> will require that linked issues have <i>Fixed versions</i> contained in current issue's <i>Fixed versions</i> and <i>Priority</i> is <i>Blocker</i> or <i>Critical</i>.         </div>
<b>Minimum required number of issue links:</b>	<div>0</div> <div>Minimum number of linked issues required to satisfy selected filtering conditions (issue link type, issue type, status, resolution, project and field values).</div>
<b>Maximum allowed number of issue links:</b>	<div>1000</div> <div>Maximum number of linked issues allowed to satisfy selected filtering conditions (issue link type, issue type, status, resolution, project and field values).</div>

<b>Allow unselected issue link types:</b>	<input checked="" type="checkbox"/> <div>Unselected issue link types will be ignored, i.e., they will be allowed regardless of linked issues' issue type, status, resolution, field values and number. Nevertheless, if none of the issue link types are selected, checking this option will make the condition behave as if you had selected every issue link type.</div>
<b>Allow unselected issue types:</b>	<input checked="" type="checkbox"/> <div>Linked issues in unselected issue types will be ignored, i.e., they will be allowed regardless of their status, resolution, field values and number. Nevertheless, if none of the issue types are selected, checking this option will make the condition behave as if you had selected every issue type.</div>
<b>Allow unselected statuses:</b>	<input type="checkbox"/> <div>Linked issues in unselected statuses will be ignored, i.e., they will be allowed regardless of their resolution, field values and number. Nevertheless, if none of the statuses are selected, checking this option will make the condition behave as if you had selected every status.</div>
<b>Allow unselected resolutions:</b>	<input checked="" type="checkbox"/> <div>Linked issues in unselected resolutions will be ignored, i.e., they will be allowed regardless of their field values and number. Nevertheless, if none of the resolutions are selected, checking this option will make the condition behave as if you had selected every resolution.</div>
<b>Allow unsatisfied condition on field values:</b>	<input type="checkbox"/> <div>Linked issues not satisfying filter by field values will be ignored, i.e., they will be allowed regardless of their number.</div>
<b>Skip validation when:</b> Inhibit the validator under selected circumstances.	<input type="checkbox"/> Transition is triggered by a <b>bulk operation</b> . <input type="checkbox"/> Transition is triggered by a <b>JIRA Workflow Toolbox post-function</b> . <input type="checkbox"/> Current issue is being created by cloning. Only makes sense in <i>Create Issue</i> transition.
<b>Message to show when validation fails:</b>	<div>Progress can't start, since there is at least one blocker issue.</div> <div>Field code injector:</div> <div>Summary - [Text] - %{00000} ▾</div> <div>Field codes with format <code>%{nnnn}</code> can be inserted in the failure message and its translations, and they will be replaced with actual field values at runtime.</div> <div><a href="#">Set translations for installed languages</a></div>

Once configured, "Start Progress" transition looks like this:

TO DO

Start Progress

IN PROGRESS

Screen: None - it will happen instantly

Triggers 0

Conditions 1

Validators 1

Post Functions 6

The transition requires the following criteria to be valid
Add validator

**Validation on linked issue:**

At least 0 and no more than 1000 issue links with the following characteristics:

- Issue link types: is blocked by.
- Linked issue's issue type: any
- Linked issue's status: Done, Closed or Resolved.
- Linked issue's resolution: any
- Linked issue belongs to any project.

About the rest of issue links:

- Unselected issue link types are allowed.
- Unselected statuses are not allowed.

Message to show when validation fails: "Progress can't start, since there is at least one blocker issue."

## Alternative expression

The **Boolean validator with math, date-time or text-string terms** equivalent to this validation is: `count (filterByPredicate(linkedIssues("is blocked by"), ^{%00016} not in ["Resolved", "Closed", "Done"])) = 0`








Note that:








- `%{00016}` is the field code for "Issue status".

## Example 2: Make sure an issue can only be closed if all duplicates with certain field values have been already closed

We want to guarantee that all **duplicate issues** have been **closed** before **the original issue can be closed**. At the same time we want guarantee that, for consistency, all duplicates have the **same value** in fields "**Components**", "**Affected versions**" and "**Fixed versions**", and that they belong to the **same project** as main issue:

Issue link types:	<div><div><input type="checkbox"/> is blocked by</div><div><input type="checkbox"/> blocks</div><div><input type="checkbox"/> is cloned by</div><div><input type="checkbox"/> clones</div><div><input checked="" type="checkbox"/> is duplicated by</div><div><input type="checkbox"/> duplicates</div><div><input type="checkbox"/> has Epic</div><div><input type="checkbox"/> is Epic of</div><div><input type="checkbox"/> is caused by</div><div><input type="checkbox"/> causes</div><div><input type="checkbox"/> relates to</div><div><input type="checkbox"/> relates to</div></div> <div>Selected issue link types will be allowed. Nevertheless, if you didn't select any issue link type, and checked "Allow unselected issue link types", there won't be applied any filter by issue link type, i.e., every issue link type will be allowed.</div>
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Issue types for linked issues:	<div><div><input type="checkbox"/>  Epic</div><div><input type="checkbox"/>  Story</div><div><input type="checkbox"/>  Bug</div><div><input type="checkbox"/>  New Feature</div><div><input type="checkbox"/>  Task</div><div><input type="checkbox"/>  Improvement</div><div><input type="checkbox"/>  Sub-task</div></div> <div>Linked issues of selected issue types will be allowed. Nevertheless, if you didn't select any issue type, and checked "Allow unselected issue types", there won't be applied any filter by issue type, i.e., every issue type will be allowed.</div>
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Statuses for linked issues:	<div><div><input type="checkbox"/>  Open</div><div><input type="checkbox"/>  In Progress</div><div><input type="checkbox"/>  Reopened</div><div><input type="checkbox"/>  Resolved</div><div><input checked="" type="checkbox"/>  Closed</div><div><input type="checkbox"/>  To Do</div><div><input type="checkbox"/>  Done</div></div> <div>Linked issues in selected statuses will be allowed. Nevertheless, if you didn't select any issue status, and checked "Allow unselected statuses", there won't be applied any filter by status, i.e., every issue status will be allowed.</div>
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Resolutions for linked issues:	<div><input type="checkbox"/> <b>UNRESOLVED</b>, i.e. no resolution value</div> <div><input type="checkbox"/> Fixed</div> <div><input type="checkbox"/> Won't Fix</div> <div><input type="checkbox"/> Duplicate</div> <div><input type="checkbox"/> Incomplete</div> <div><input type="checkbox"/> Cannot Reproduce</div>
Linked issues with selected resolutions will be allowed. Nevertheless, if you didn't select any issue resolution, and checked "Allow unselected resolutions", there won't be applied any filter by resolution, i.e., every issue resolution will be allowed.	
Linked issues must belong to:	<div><input type="radio"/> any project</div> <div><input checked="" type="radio"/> current project</div> <div><input type="radio"/> any but current project</div> <div><input type="radio"/> projects introduced:<div></div></div>
Introduce a comma separated list of project keys. If you write field codes (format <code>%{nnnnn}</code> ) they will be replaced with its values.	
<input type="checkbox"/> ignore links to issues in other projects	

Filtering by field values: Optional boolean expression that should be satisfied by linked issues. <a href="#">(Syntax Specification)</a>	<div>1 <code>^%{00094} = %{00094} AND ^%{00074} = %{00074} AND ^%{00077} = %{00077}</code></div> <div>Leave field empty for no filtering. <span>[ Line 1 / Col 1 ]</span></div> <div><div>Logical connectives: <code>or</code>, <code>and</code> and <code>not</code>. Alternatively you can also use <code> </code>, <code>&amp;</code> and <code>!</code>.</div><div>Comparison operators: <code>=</code>, <code>!</code>, <code>&gt;</code>, <code>&gt;=</code>, <code>&lt;</code> and <code>&lt;=</code>. Operators <code>~</code>, <code>!~</code>, <code>in</code>, <code>not in</code>, <code>any in</code> and <code>none in</code> can be used with strings, multi-valued fields and lists.</div><div>Logical literals: <code>true</code> and <code>false</code>. Literal <code>null</code> is used with <code>=</code> and <code>!</code> to check whether a field is initialized, e.g. <code>{00012} != null</code> checks whether <code>Due Date</code> is initialized.</div><div><div>String Field Code Injector:<div>Summary - [Text] - %{00000} ▾</div><div>Field Code for Current Issue</div><div>Field Code for Linked Issues</div></div><div><div>Numeric/Date Field Code Injector:<div>Original estimate (minutes) - [Number] - {00068} ▾</div><div>Field Code for Current Issue</div><div>Field Code for Linked Issues</div></div></div><div>Example 1: <code>{00012} &lt;= ^{00012}</code> will require that linked issues have <i>Due Date</i> equal or later than current issue's <i>Due Date</i>. Example 2: <code>%{00074} ~ ^%{00074} AND ^%{00017} in ["Blocker", "Critical"]</code> will require that linked issues have <i>Fixed versions</i> contained in current issue's <i>Fixed versions</i> and <i>Priority</i> is <i>Blocker</i> or <i>Critical</i>.</div></div></div>
Minimum required number of issue links:	<div>0</div> <div>Minimum number of linked issues required to satisfy selected filtering conditions (issue link type, issue type, status, resolution, project and field values).</div>

<b>Allow unselected issue link types:</b>	<input checked="" type="checkbox"/> <p>Unselected issue link types will be ignored, i.e., they will be allowed regardless of linked issues' issue type, status, resolution, field values and number. Nevertheless, if none of the issue link types are selected, checking this option will make the condition behave as if you had selected every issue link type.</p>
<b>Allow unselected issue types:</b>	<input checked="" type="checkbox"/> <p>Linked issues in unselected issue types will be ignored, i.e., they will be allowed regardless of their status, resolution, field values and number. Nevertheless, if none of the issue types are selected, checking this option will make the condition behave as if you had selected every issue type.</p>
<b>Allow unselected statuses:</b>	<input type="checkbox"/> <p>Linked issues in unselected statuses will be ignored, i.e., they will be allowed regardless of their resolution, field values and number. Nevertheless, if none of the statuses are selected, checking this option will make the condition behave as if you had selected every status.</p>
<b>Allow unselected resolutions:</b>	<input checked="" type="checkbox"/> <p>Linked issues in unselected resolutions will be ignored, i.e., they will be allowed regardless of their field values and number. Nevertheless, if none of the resolutions are selected, checking this option will make the condition behave as if you had selected every resolution.</p>
<b>Allow unsatisfied condition on field values:</b>	<input type="checkbox"/> <p>Linked issues not satisfying filter by field values will be ignored, i.e., they will be allowed regardless of their number.</p>
<b>Skip validation when:</b> <small>Inhibit the validator under selected circumstances.</small>	<input type="checkbox"/> Transition is triggered by a <b>bulk operation</b> . <input type="checkbox"/> Transition is triggered by a <b>JIRA Workflow Toolbox post-function</b> . <input type="checkbox"/> Current issue is being created by cloning. Only makes sense in <i>Create Issue</i> transition.
<b>Message to show when validation fails:</b>	<p>Duplicating issues have to be closed before closing the main issue. Project, Components, Affected versions and Fixed versions should be consistent.</p> <p><b>Field code injector:</b></p> <p>Summary - [Text] - %{00000} ▼</p> <p>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.</p> <p><a href="#">Set translations for installed languages</a></p>

The boolean expression used for filtering field values is:  $\text{\^}\{00094\} = \{00094\} \text{ AND } \text{\^}\{00074\} = \{00074\} \text{ AND } \text{\^}\{00077\} = \{00077\}$

Note that:

- **%{00094}** is field code for "**Components**"
- **%{00074}** is field code for "**Affected versions**"
- **%{00077}** is field code for "**Fixed versions**"

Once configured, "**Close Issue**" transition looks like this:

RESOLVED

Close Issue

CLOSED

**Description:** Closing an issue indicates there is no more work to be done on it, and it has been verified as complete.

**Screen:** [Workflow Screen](#)

Triggers 0

Conditions 1

Validators 1

Post Functions 5

The transition requires the following criteria to be valid

Add validator

**Validation on linked issue:**

At least **0** and no more than **1000** issue links with the following characteristics:

- Issue link types: **is duplicated by**.
- Linked issue's issue type: **any**
- Linked issue's status: **Closed**.
- Linked issue's resolution: **any**
- Linked issue belongs to **same project** as current issue.
- Linked issue should satisfy: `^%{Components} = %{Components} AND ^%{Fixed versions} = %{Fixed versions} AND ^%{Affected versions} = %{Affected versions}`

About the rest of issue links:

- Unselected issue link types are **allowed**.
- Unselected statuses are **not allowed**.
- Linked issues not satisfying filter by field values are **not allowed**.

Message to show when validation fails: **"Duplicating issues have to be closed before closing the main issue. Project, Components, Affected versions and Fixed versions should be consistent."**

## Alternative expression

The **Boolean validator with math, date-time or text-string terms** equivalent to this validation is:

```
count(filterByPredicate(linkedIssues("is duplicated by"), ^%{00016} != "Closed" OR ^%{00018} != %{00018} OR ^%{00094} != %{00094} OR ^%{00074} != %{00074} AND ^%{00077} != %{00077})) = 0
```

Note that:

- `%{00016}` is field code for "Issue status"
- `%{00018}` is field code for "Project key"

## Example 3: Make sure no issue type "Bug" is "blocked" or "cloned" by the transitioning issue

We want to use **Validation on linked issues** to forbid the existence of "blocks" and "clones" issue links to "Bug" issue types:



Issue link types:

☐ is blocked by

☒ blocks

☐ is cloned by

☒ clones

☐ is duplicated by

☐ duplicates

☐ has Epic

☐ is Epic of

☐ is caused by

☐ causes

☐ relates to

☐ relates to

Selected issue link types will be allowed. Nevertheless, if you didn't select any issue link type, and checked "Allow unselected issue link types", there won't be applied any filter by issue link type, i.e., every issue link type will be allowed.

Issue types for linked issues:

☐  Epic

☐  Story

☒  Bug

☐  New Feature


☐  Task

☐  Improvement


☐  Sub-task


Linked issues of selected issue types will be allowed. Nevertheless, if you didn't select any issue type, and checked "Allow unselected issue types", there won't be applied any filter by issue type, i.e., every issue type will be allowed.


Statuses for linked issues:

☐  Open

☐  In Progress

☐  Reopened

☐  Resolved

☐  Closed

☐  To Do

☐  Done

Linked issues in selected statuses will be allowed. Nevertheless, if you didn't select any issue status, and checked "Allow unselected statuses", there won't be applied any filter by status, i.e., every issue status will be allowed.

<b>Resolutions for linked issues:</b>	<input type="checkbox"/> <b>UNRESOLVED</b> , i.e. no resolution value  <input type="checkbox"/> Fixed  <input type="checkbox"/> Won't Fix  <input type="checkbox"/> Duplicate  <input type="checkbox"/> Incomplete  <input type="checkbox"/> Cannot Reproduce  <p>Linked issues with selected resolutions will be allowed. Nevertheless, if you didn't select any issue resolution, and checked "Allow unselected resolutions", there won't be applied any filter by resolution, i.e., every issue resolution will be allowed.</p>
<b>Linked issues must belong to:</b>	<input checked="" type="radio"/> any project <input type="radio"/> current project <input type="radio"/> any but current project <input type="radio"/> projects introduced: <div style="border: 1px solid #ccc; height: 15px; width: 250px; margin: 2px 0;"></div> <p>Introduce a comma separated list of project keys. If you write field codes (format <code>%{nnnnn}</code>) they will be replaced with its values.</p> <input type="checkbox"/> ignore links to issues in other projects

<b>Filtering by field values:</b> Optional boolean expression that should be satisfied by linked issues. ( <a href="#">Syntax Specification</a> )	<div style="border: 1px solid #ccc; padding: 5px; min-height: 30px;">1</div> <div style="text-align: right; font-size: 0.8em;">[ Line 1 / Col 1 ]</div> <p>Leave field empty for no filtering.</p> <p><u>Logical connectives:</u> <b>or</b>, <b>and</b> and <b>not</b>. Alternatively you can also use <code> </code>, <code>&amp;</code> and <code>!</code>.</p> <p><u>Comparison operators:</u> <code>=</code>, <code>!=</code>, <code>&gt;</code>, <code>&gt;=</code>, <code>&lt;</code> and <code>&lt;=</code>. Operators <code>!</code>, <code>in</code>, <b>not in</b>, <b>any in</b> and <b>none in</b> can be used with <b>strings</b>, <b>multi-valued fields</b> and <b>lists</b>.</p> <p><u>Logical literals:</u> <b>true</b> and <b>false</b>. Literal <b>null</b> is used with <code>=</code> and <code>!=</code> to check whether a field is initialized, e.g. <code>{00012} != null</code> checks whether <b>Due Date</b> is initialized.</p> <p><b><u>String Field Code Injector:</u></b></p> <div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 5px;">Summary - [Text] - %{00000} ▼</div> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid #ccc; padding: 2px 10px;">Field Code for <b>Current Issue</b></div> <div style="border: 1px solid #ccc; padding: 2px 10px;">Field Code for <b>Linked Issues</b></div> </div> <p><b><u>Numeric/Date Field Code Injector:</u></b></p> <div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 5px;">Original estimate (minutes) - [Number] - {00068} ▼</div> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid #ccc; padding: 2px 10px;">Field Code for <b>Current Issue</b></div> <div style="border: 1px solid #ccc; padding: 2px 10px;">Field Code for <b>Linked Issues</b></div> </div> <p>Example 1: <code>{00012} &lt;= ^{00012}</code> will require that linked issues have <i>Due Date</i> equal or later than current issue's <i>Due Date</i>.</p> <p>Example 2: <code>!{00074} ~ ^{00074} AND ^{00017} in ["Blocker", "Critical"]</code> will require that linked issues have <i>Fixed versions</i> contained in current issue's <i>Fixed versions</i> and <i>Priority</i> is <i>Blocker</i> or <i>Critical</i>.</p> <div style="text-align: right; font-size: 0.8em;"><a href="#">Check Syntax</a></div>
<b>Minimum required number of issue links:</b>	<div style="border: 1px solid #ccc; padding: 2px 10px; width: 30px; text-align: center;">0</div> <p>Minimum number of linked issues required to satisfy selected filtering conditions (issue link type, issue type, status, resolution, project and field values).</p>
<b>Maximum allowed number of issue links:</b>	<div style="border: 1px solid #ccc; padding: 2px 10px; width: 30px; text-align: center;">0</div> <p>Maximum number of linked issues allowed to satisfy selected filtering conditions (issue link type, issue type, status, resolution, project and field values).</p>

<b>Allow unselected issue link types:</b>	<input checked="" type="checkbox"/> <p>Unselected issue link types will be ignored, i.e., they will be allowed regardless of linked issues' issue type, status, resolution, field values and number. Nevertheless, if none of the issue link types are selected, checking this option will make the condition behave as if you had selected every issue link type.</p>
<b>Allow unselected issue types:</b>	<input checked="" type="checkbox"/> <p>Linked issues in unselected issue types will be ignored, i.e., they will be allowed regardless of their status, resolution, field values and number. Nevertheless, if none of the issue types are selected, checking this option will make the condition behave as if you had selected every issue type.</p>
<b>Allow unselected statuses:</b>	<input type="checkbox"/> <p>Linked issues in unselected statuses will be ignored, i.e., they will be allowed regardless of their resolution, field values and number. Nevertheless, if none of the statuses are selected, checking this option will make the condition behave as if you had selected every status.</p>
<b>Allow unselected resolutions:</b>	<input type="checkbox"/> <p>Linked issues in unselected resolutions will be ignored, i.e., they will be allowed regardless of their field values and number. Nevertheless, if none of the resolutions are selected, checking this option will make the condition behave as if you had selected every resolution.</p>
<b>Allow unsatisfied condition on field values:</b>	<input type="checkbox"/> <p>Linked issues not satisfying filter by field values will be ignored, i.e., they will be allowed regardless of their number.</p>
<b>Skip validation when:</b> <small>Inhibit the validator under selected circumstances.</small>	<input type="checkbox"/> Transition is triggered by a <a href="#">bulk operation</a> . <input type="checkbox"/> Transition is triggered by a <a href="#">JIRA Workflow Toolbox post-function</a> . <input type="checkbox"/> Current issue is being created by cloning. Only makes sense in <i>Create Issue</i> transition.
<b>Message to show when validation fails:</b>	<div>It is not allowed to block or clone a Bug.</div> <p><b>Field code injector:</b></p> <p>Summary - [Text] - %{00000} ▼</p> <p>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.</p> <p><a href="#">Set translations for installed languages</a></p>

Once configured, the transition looks like this:

RESOLVED

Close Issue

CLOSED

**Description:** Closing an issue indicates there is no more work to be done on it, and it has been verified as complete.

**Screen:** [Workflow Screen](#)

Triggers 0

Conditions 1

Validators 2

Post Functions 5

The transition requires the following criteria to be valid

Add validator

**Validation on linked issue:**

At least 0 and no more than 0 issue links with the following characteristics:

- Issue link types: clones or blocks.
- Linked issue's issue type: Bug.
- Linked issue's status: none
- Linked issue's resolution: none
- Linked issue belongs to any project.

About the rest of issue links:

- Unselected issue link types are allowed.
- Unselected issue types are allowed.
- Unselected statuses are not allowed.
- Unselected resolutions are not allowed.

Message to show when validation fails: "It is not allowed to block or clone a Bug."

## Alternative expression

The **Boolean validator with math, date-time or text-string terms** equivalent to this validation is:

```
count(filterByIssueType(linkedIssues("blocks, clones"), "Bug")) = 0
```

or

```
count(filterByPredicate(linkedIssues("blocks, clones"), %{00014} = "Bug")) = 0
```

Note that:

- `%{00014}` is field code for "Issue type"

## Other examples of that functions

### Validation on linked issues

Page: [Block an epic's transition depending on linked issues status and due date](#)

Page: [Block creation of issue type X if it has not been linked with link type Y to issue type Z on the "Create Issue" screen](#)

Page: [Block or hide a transition for an issue depending on its issue links](#)  
Page: [Enforce linked issues in a specific project to be "Closed" before closing issue](#)

Page: [Prevent issue from being "Closed" if blocking issues aren't yet closed](#)

## Related Usage Examples

- [Block an epic's transition depending on linked issues status and due date](#)
  - [example](#)
  - [validator](#)
  - [issue-links](#)
  - [transition](#)
- [Prevent issue from moving forward if it's dependent on non-accepted tickets](#)
  - [example](#)
  - [validator](#)
  - [issue-links](#)

Page: Prevent issue from being closed if it has links of type "is blocked by" to open issues  
 Page: Prevent issue from moving forward if it's dependent on non-accepted tickets  
 Page: Prevent transitioning when there is a blocking issue  
 Page: Validate only issue links created in transition screen

## Boolean validator with math, date-time or text-string terms

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  
 Page: Limit valid dates for work logs  
 Page: Make "Time Spent" field required when there is no time logged in the issue  
 Page: Make a custom field mandatory when priority is "Critical" or "Blocker" and issue type is "Incident"  
 Page: Make attachment mandatory depending on the value of certain custom field  
 Page: Make different fields mandatory depending on the value of a Select List custom field  
 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  
 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

- 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
  - validator
  - issue-links
  - transition
- Prevent transitioning when there is a blocking issue
  - example
  - validator
  - issue-links
  - sub-task
  - transition
- Prevent issue from being "Closed" if blocking issues aren't yet closed
  - example
  - validator
  - issue-links
  - transition
- Prevent issue from being closed if it has links of type "is blocked by" to open issues
  - example
  - condition
  - validator
  - issue-links
  - transition
- Transition linked issues in currently active sprint
  - example
  - post-function
  - issue-links
  - transition
- Make linked issues, sub-tasks and JQL selected issues progress through its workflows
  - example
  - condition
  - validator
  - post-function
  - issue-links
  - sub-task
  - transition
- Validate only issue links created in transition screen
  - example
  - validator
  - issue-links
- Require issue link when resolving as duplicate
  - example
  - validator
  - issue-links
- Ensure that all issues linked with a certain issue link type have "Due Date" field set
  - example
  - validator
  - issue-links
- Add and remove a single or a set of items from multi valued fields
  - example
  - post-function
  - custom-field
  - issue-links
  - sub-task
- Writing a comment to blocked issues when blocking issues are resolved
  - example
  - post-function
  - issue-links
- Block creation of issue type X if it has not been linked with link type Y to issue type Z on the "Create Issue" screen
  - example
  - validator
  - issue-links