

Migrate 'Condition on sub-tasks'

The [Condition on sub-tasks of JWT DC](#) is not yet available in JWT Cloud, but can be implemented easily using a [Jira expression condition](#).

Migration steps

1

Add a [Jira expression condition](#).



2

Build a matching [Jira expression](#) by migrating the parameters of the [Condition on sub-tasks](#) using this template:

```
let ITI = [];  
let SI = [];  
let RI = [];  
let FVE = (issue => issue);  
let MI = 0;  
let MA = 1000;  
let ITA = false;  
let SA = false;  
let RA = false;  
let FVEA = false;  
  
let CON = (issue => (  
  (ITI.length == 0 || ITI.includes(issue?.issueType?.name)) &&  
  (SI.length == 0 || SI.includes(issue?.status?.name)) &&  
  (RI.length == 0 || RI.includes(issue?.resolution?.name)) &&  
  FVE(issue)  
));  
  
issue.subtasks.filter(CON).length >= MI  
&& issue.subtasks.filter(CON).length <= MA  
&& issue.subtasks.every(issue => (  
  CON(issue) ||  
  (ITA && !ITI.includes(issue?.issueType?.name)) ||  
  (SA && !SI.includes(issue?.status?.name)) ||  
  (RA && !RI.includes(issue?.resolution?.name)) ||  
  (FVEA && !FVE(issue))  
))
```


The following table shows how to obtain the individual components of the resulting Jira expression.

Migration details

 JWT DC Option	 JWT Cloud	Notes
Filter by issue type	In line 1, add the issue type names to be filtered to the list.	Example: <pre>let ITI = ["Submission", "Mail"];</pre>

Filter by status		In line 2 , add the status names to be filtered to the list.	Example: <pre>let SI = ["In Progress", "To Do"];</pre>
Filter by resolution		In line 3 , add the resolution names to be filtered to the list.	Example: <pre>let RI = ["Won't do", "Duplicates"];</pre>
Filter by field value		In line 4 , adopt the function according to your needs by adding the respective Jira expression . It has to return a logical value. A list of field codes can be found in Field codes . For more information about Jira expression, please have a look at Atlassian's documentation .	Examples: <pre>let FVE = (issue => issue?.attachments?.length >0)</pre> <pre>let FVE = (issue => issue?.project.key == 'PRJ')</pre>
Minimum number of sub-tasks		In line 5 , change the minimum number of sub-tasks if necessary (the default is set to 0)	Example: <pre>let MI = 3</pre>
Maximum number of sub-tasks		In line 6 , change the maximum number of sub-tasks if necessary (the default is set to 1000)	Example: <pre>let MA = 5</pre>
Additional options	Allow unselected issue types	In line 7 , change the value to true , if you want to allow unselected issue types.	Example: <pre>let ITA = true;</pre>
	Allow unselected statuses	In line 8 , change the value to true , if you want to allow unselected statuses.	Example: <pre>let SA = true;</pre>
	Allow unselected resolutions	In line 9 , change the value to true , if you want to allow unselected resolutions.	Example: <pre>let RA = true;</pre>
	Allow unsatisfied field value filter	In line 10 , change the value to true , if you want to allow an unsatisfied field value filter.	Example: <pre>let FVEA = true;</pre>

Examples

 JWT DC parameter values	Jira expression settings																
<p>Use case All sub-tasks in the Closed status must have a specific resolution</p> <table border="1"> <thead> <tr> <th>Parameter</th><th>Value</th></tr> </thead> <tbody> <tr> <td>Filter by issue type</td><td>empty</td></tr> <tr> <td>Filter by status</td><td>Closed</td></tr> <tr> <td>Filter by resolution</td><td>Done</td></tr> <tr> <td>Filter by field value</td><td>empty</td></tr> <tr> <td>Minimum number of sub-tasks</td><td>leave the default value 0 unchanged</td></tr> <tr> <td>Maximum number of sub-tasks</td><td>leave the default value 1000 unchanged</td></tr> <tr> <td>Additional options</td><td> Check Allow unselected issue types Allow unselected statuses </td></tr> </tbody> </table>	Parameter	Value	Filter by issue type	empty	Filter by status	Closed	Filter by resolution	Done	Filter by field value	empty	Minimum number of sub-tasks	leave the default value 0 unchanged	Maximum number of sub-tasks	leave the default value 1000 unchanged	Additional options	Check Allow unselected issue types Allow unselected statuses	<pre> let ITI = []; let SI = ["Closed"]; let RI = ["Done"]; let FVE = (issue => issue); let MI = 0; let MA = 1000; let ITA = true; let SA = true; let RA = false; let FVEA = false; ... </pre>
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<p>Use case Close parent issue only when all sub-tasks are closed</p> <table border="1"> <thead> <tr> <th>Parameter</th><th>Value</th></tr> </thead> <tbody> <tr> <td>Filter by issue type</td><td>empty</td></tr> <tr> <td>Filter by status</td><td>Closed, Done</td></tr> <tr> <td>Filter by resolution</td><td>empty</td></tr> <tr> <td>Filter by field value</td><td>empty</td></tr> <tr> <td>Minimum number of sub-tasks</td><td>leave the default value 0 unchanged</td></tr> <tr> <td>Maximum number of sub-tasks</td><td>leave the default value 1000 unchanged</td></tr> <tr> <td>Additional options</td><td> Check Allow unselected issue types Allow unselected resolutions </td></tr> </tbody> </table>	Parameter	Value	Filter by issue type	empty	Filter by status	Closed, Done	Filter by resolution	empty	Filter by field value	empty	Minimum number of sub-tasks	leave the default value 0 unchanged	Maximum number of sub-tasks	leave the default value 1000 unchanged	Additional options	Check Allow unselected issue types Allow unselected resolutions	<pre> let ITI = []; let SI = ["Closed", "Done"]; let RI = []; let FVE = (issue => issue); let MI = 0; let MA = 1000; let ITA = true; let SA = false; let RA = true; let FVEA = false; ... </pre>
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<p>Use case An issue must have at least 3 resolved Test Cases</p> <table border="1"> <thead> <tr> <th>Parameter</th><th>Value</th></tr> </thead> <tbody> <tr> <td>Filter by issue type</td><td>Test case</td></tr> <tr> <td>Filter by status</td><td>empty</td></tr> <tr> <td>Filter by resolution</td><td>Done</td></tr> <tr> <td>Filter by field value</td><td>empty</td></tr> <tr> <td>Minimum number of sub-tasks</td><td>3</td></tr> <tr> <td>Maximum number of sub-tasks</td><td>leave the default value 1000 unchanged</td></tr> <tr> <td>Additional options</td><td> Check Allow unselected issue types Allow unselected statuses </td></tr> </tbody> </table>	Parameter	Value	Filter by issue type	Test case	Filter by status	empty	Filter by resolution	Done	Filter by field value	empty	Minimum number of sub-tasks	3	Maximum number of sub-tasks	leave the default value 1000 unchanged	Additional options	Check Allow unselected issue types Allow unselected statuses	<pre> let ITI = ["Test case"]; let SI = []; let RI = ["Done"]; let FVE = (issue => issue); let MI = 3; let MA = 1000; let ITA = true; let SA = true; let RA = false; let FVEA = false; ... </pre>
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Due to the different architecture, it may happen that the condition gets too complex. This is the case when many fields are checked. The condition cannot be saved, and a corresponding error message will be displayed. If that's the case, the condition has to be split up into two or more.

If you still have questions, feel free to refer to our [support](#) team.