Migrate 'Condition on linked issues'

The Condition on linked issues 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 linked issues using this template:

```
let LT = [];
let ITI = [];
let SI = [];
let RI = [];
let P=[];
let FVE = (issueLink => issueLink);
let MI = 0;
let MA = 1000;
let LTA = false;
let ITA = false;
let SA = false;
let RA = false;
let FVEA = false;

let CON = (issueLink =>
  (LT.length == 0 || LT.includes(issueLink.direction == "outward" ? issueLink.type.outward : issueLink.type.inward)) &&
  (ITI.length == 0 || ITI.includes(issueLink?.linkedIssue?.issueType?.name)) &&
  (SI.length == 0 || SI.includes(issueLink?.linkedIssue?.status?.name)) &&
  (RI.length == 0 || RI.includes(issueLink?.linkedIssue?.resolution?.name)) &&
  (P.length == 0 || P.includes(issueLink?.linkedIssue?.project?.key)) &&
  FVE(issueLink)
);

issue.links.filter(CON).length >= MI
&& issue.links.filter(CON).length <= MA
&& issue.links.every(issueLink => (
  CON(issueLink) ||
  (LTA && !(LT.includes(issueLink.direction == "outward" ? issueLink.type.outward : issueLink.type.inward)) ||
  (ITA && !ITI.includes(issueLink.linkedIssue?.issueType?.name)) ||
  (SA && !SI.includes(issueLink?.linkedIssue?.status?.name)) ||
  (RA && !RI.includes(issueLink?.linkedIssue?.resolution?.name))||
  (FVEA && !FVE(issueLink))
)))
```

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

Migration details

JWT DC	JWT DC option	JWT Cloud	Notes

Filter by link type		In line **1**, add the issue link type names to be filtered to the list.	Example: `let LT = ["blocks"];`
Filter by issue type		In line **2**, add the issue type names to be filtered to the list.	Example: `let ITI = ["Submission", "Mail"];`
Filter by status		In line **3**, add the status names to be filtered to the list.	Example: `let SI = ["In Progress", "To Do"];`
Filter by resolution		In line **4**, add the resolution names to be filtered to the list.	Example: `let RI = ["Won't do", "Duplicates"];`
Filter by project	Any project	Nothing to do!	
	Current project	In line **5**, add `issue.project.key` to the list	Example: `let P = [issue.project.key];`
	Any but current project	In line **5**, add `issue.project.key` to the list **and** change line 20 to `(P.length == 0 || !P.includes(issueLink?.linkedIssue?.project?.key)) &&`	
	Set projects manually (parser expression)	In line **5**, add project keys to be filtered to the list	Example: `let P = ["CRM", "PRJ"];`

Filter by field value		In line **6**, 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, the fields available for an issue links can be found in IssueLink.	Examples:
			`let FVE = (issueLink => issueLink?.linkedIssue?.attachments?.length >0 )`
			`let FVE = (issueLink => issueLink?.linkedIssue?.project.key == 'PRJ' )`

Minimum number of linked issues		In line **7**, change the minimum number of sub-tasks if necessary (the default is set to 0)	Example: `let MI = 3`
Maximum number of linked issues		In line **8**, change the maximum number of sub-tasks if necessary (the default is set to1000)	Example: `let MA = 5`
Additional options	Allow unselected issue link types	In line **9**, change the value to **true**, if you want to allow unselected link types.	Example: `let ITA = true;`
	Allow unselected issue types	In line **10**, change the value to **true**, if you want to allow unselected issue types.	
	Allow unselected statuses	In line **11**, change the value to **true**, if you want to allow unselected statuses.	Example: `let SA = true;`
	Allow unselected resolutions	In line **12**, change the value to **true**, if you want to allow unselected resolutions.	Example: `let RA = true;`
	Allow unsatisfied field value filter	In line **13**, change the value to **true**, if you want to allow an unsatisfied field value filter.	Example: `let FVEA = true;`

Examples

JWT DC parameter values	**Jira expression**

Use case There must be at least one related Service Management request

Parameter	Value
Filter by issue link type	empty
Filter by issue type	empty
Filter by status	empty
Filter by resolution	empty
Filter by project	**Any project**
Filter by field value	`%{seed.issue.project.category} =  "Service Management"`
Minimum number of linked issues	**1**
Maximum number of linked issues	leave the default value 1000 unchanged
Additional options	Check **Allow unselected issue types** **Allow unselected statuses**

```
let LT = [];
let ITI = [];
let SI = ["Closed"];
let RI = ["Done"];
let P =[];
let FVE = (issueLink => issueLink?.linkedIssue?.project?.
projectCategory?.name == "Service Management" )
let MI = 1;
let MA = 1000;
let LTA = false;
let ITA = true;
let SA = true;
let RA = false;
let FVEA = false;
....
```

Use case Prevent transitioning when there is a blocking issue

Parameter	Value
Filter by issue link type	**is blocked by**
Filter by issue type	empty
Filter by status	**Resolved, Closed**
Filter by resolution	empty
Filter by project	**CRM**
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**

```
let LT = ["is blocked by"];
let ITI = [];
let SI = ["Resolved","Closed"];
let RI = [];
let P =["CRM"];
let FVE = (issueLink => issueLink)
let MI = 0;
let MA = 1000;
let LTA = false;
let ITA = true;
let SA = true;
let RA = false;
let FVEA = false;
....
```

Use case All blocking issues must be resolved

Parameter	Value
Filter by issue link type	**is blocked by**
Filter by issue type	empty
Filter by status	empty
Filter by resolution	**Fixed, Done**
Filter by project	**Any project**
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 link types** **Allow unselected issue types** **Allow unselected statuses**

```
let LT = ["is blocked by"];
let ITI = [];
let SI = [];
let RI = ["Fixed","Done"];
let P =["CRM"];
let FVE = (issueLink => issueLink)
let MI = 0;
let MA = 1000;
let LTA = true;
let ITA = true;
let SA = true;
let RA = false;
let FVEA = false;
....
```

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.