

Use cases for conditions and validators









A huge number of potential use cases can be addressed by using **Jira expression mode** which is currently a **Cloud Only** feature provided by Atlassian. Jira expressions can be a powerful tool but they come with **limitations**.









To master **Jira expressions** we strongly recommend reading the information we [condensed on this single page](#). Especially when it comes to the difference between Jira expressions and the JWT expressions.








Use cases and examples

| Use case | JWT feature | Workflow function | Use case description | Complexity |
|---|-------------|---|--|--------------|
| Block a transition based on issue links | | Jira expression condition Jira expression validator | Evaluate issue links and hide transitions based on the outcome. This use case is valid for both conditions and validators . The only difference is that you can specify an additional error message when using a validator. | ADVANCED |
| Block a transition based on sprint information | | Jira expression condition Jira expression validator | Make sure that an issue is not in an active sprint . This use case is valid for both conditions and validators . The only difference is that you can specify an additional error message when using a validator. | BEGINNER |
| Block a transition based on the day of the week | | Jira expression condition Jira expression validator | Block transitions on weekends or any other day of the week. This use case is valid for both conditions and validators . The only difference is that you can specify an additional error message when using a validator. | BEGINNER |
| Block a transition if a predefined field value has not been changed | | Jira expression condition Jira expression validator Update fields | Evaluate a Date Picker field and block the transition if it has not been updated . This use case is valid for both conditions and validators . The only difference is that you can specify an additional error message when using a validator. | BEGINNER |
| Block a transition if some issues under an epic are not in a certain status | | Jira expression condition Jira expression validator | Check whether an epic has all issues under it in a certain status . This is particularly important if you want to block an epic as long as work is still being done on related sub-tasks. This use case is valid for both conditions and validators . The only difference is that you can specify an additional error message when using a validator. | INTERMEDIATE |

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| Block a transition if the type of the attached files is incorrect |  | Jira expression condition Jira expression validator | Evaluate the type of files in the <i>Attachments</i> field. This use case is valid for both conditions and validators . The only difference is that you can specify an additional error message when using a validator. | INTERMEDIATE |
| Check current issue status |  | Jira expression condition Jira expression validator | Check whether the current issue is in a particular status . This use case is valid for both conditions and validators . The only difference is that you can specify an additional error message when using a validator. | BEGINNER |
| Check for at least one component |  | Fields required Fields required or changed | Require a at least one component . This use case is valid for both conditions and validators . The only difference is that you can specify an additional error message when using a validator. | BEGINNER |
| Check for unresolved sub-tasks |  | Jira expression condition Jira expression validator | Check whether the current issue has any unresolved sub-tasks . This is particularly important if you want to block a parent issue as long as work is still being done on related sub-tasks. This use case is valid for both conditions and validators . The only difference is that you can specify an additional error message when using a validator. | INTERMEDIATE |
| Check if an attachment was added recently |  | Jira expression condition Jira expression validator | Make sure that the current user has uploaded a attachment during a definite period of time. This use case is valid for both conditions and validators . The only difference is that you can specify an additional error message when using a validator. | BEGINNER |
| Check parent issue type |  | Jira expression condition Jira expression validator | Check whether the parent of the current issue is of a certain issue type . This is particularly important if you want to reuse a workflow for multiple sub-task issue types but only want a transition to be available if the sub-task belongs to a certain user story or a bug . This use case is valid for both conditions and validators . The only difference is that you can specify an additional error message when using a validator. | INTERMEDIATE |
| Check the number of times that a field has changed |  | Jira expression condition Jira expression validator | Check the number of times that a field has changed . This use case is valid for both conditions and validators . The only difference is that you can specify an additional error message when using a validator. | INTERMEDIATE |
| Current user must be reporter |  | Compare two values condition Compare two values validator | Current user must be reporter . This use case is valid for both conditions and validators . The only difference is that you can specify an additional error message when using a validator. | BEGINNER |

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|---|---|---|--|--------------|
| Due date must be in the future |  | <p>Compare two values condition</p> <p>Compare two values validator</p> | <p>The due date must be in the future.</p> <p>This use case is valid for both conditions and validators . The only difference is that you can specify an additional error message when using a validator.</p> | BEGINNER |
| Evaluate custom fields |  | <p>Jira expression condition</p> <p>Jira expression validator</p> | <p>Evaluate custom fields of different types with Jira expressions.</p> <p>This use case is valid for both conditions and validators. The only difference is that you can specify an additional error message when using a validator.</p> | BEGINNER |
| Evaluate the Parent Link field |  | <p>Jira expression condition</p> <p>Jira expression validator</p> | <p>Evaluate different values of the issue in the Parent Link field of the transitioned issue.</p> <p>This use case is valid for both conditions and validators . The only difference is that you can specify an additional error message when using a validator.</p> | INTERMEDIATE |
| Evaluate the user |  | <p>Jira expression condition</p> <p>Jira expression validator</p> | <p>Evaluate users and hide transitions based on the outcome.</p> <p>This use case is valid for both conditions and validators . The only difference is that you can specify an additional error message when using a validator.</p> | INTERMEDIATE |
| Evaluate worklogs in sub-tasks |  | <p>Jira expression condition</p> <p>Jira expression validator</p> | <p>Evaluate if work has been logged in a sub-task to prevent transitioning the parent issue when no work has been logged.</p> <p>This use case is valid for both conditions and validators . The only difference is that you can specify an additional error message when using a validator.</p> | BEGINNER |
| Issue must have at least two attachments |  | <p>Compare two values condition</p> <p>Compare two values validator</p> | <p>Require a at least two attachments.</p> <p>This use case is valid for both conditions and validators. The only difference is that you can specify an additional error message when using a validator.</p> | BEGINNER |
| Make a field required only for stories |  | <p>Jira expression condition</p> <p>Jira expression validator</p> | <p>Make a field required to enable a transition only for issues with the story issue type.</p> <p>This use case is valid for both conditions and validators. The only difference is that you can specify an additional error message when using a validator.</p> | BEGINNER |
| Make a fix version required and add a comment |  | <p>Fields required or changed</p> | <p>Require a fix version and add a comment.</p> <p>This use case is valid for validators.</p> | BEGINNER |

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|--|--|--|---|----------|
| Make the assignee required |  | Fields required Fields required or changed | Require a non empty assignee . This use case is valid for both conditions and validators . The only difference is that you can specify an additional error message when using a validator. | BEGINNER |
| Make values required in a Select List (cascading) field |  | Jira expression condition Jira expression validator | Check whether a Select List (cascading) field has a value in the transitioned issue. This use case is valid for both conditions and validators . The only difference is that you can specify an additional error message when using a validator. | BEGINNER |
| Resolution must be empty |  | Fields required Fields required or changed | Not allow a resolution to be set. This use case is valid for both conditions and validators . The only difference is that you can specify an additional error message when using a validator. | BEGINNER |
| Validate an issue only if a comment is written during the transition |  | Jira expression validator | Evaluate the comments and hide transitions based on the outcome. This use case is only valid for validators as it involves making changes during a transition. An additional error message can be added. | BEGINNER |
| Validate worklogs |  | Jira expression condition Jira expression validator | Evaluate if a user has logged more than a certain amount of time in the latest worklog. | |

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