Jira expression validator

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

⚙ Configuration

Jira expression

Enter plain text and optionally use field codes, e.g. **issue.summary**, to insert field values. The result of the Jira expression shall return **true** or **false**.

Remember that the usage of field codes is different when being used in Jira expressions. Curly brackets surrounding the field code are not supported. Not for every field code known from the JWT Expressions an equivalent is available.

Error message

Enter the message to show to the end-user when the validation fails. In case you don't enter a message, the default error Message for JWT for Jira Cloud "Validation failed for validator 'Jira expression validator (JWT)'" is displayed in case of a failing validation.

Test expression

We **highly recommended** to test your expression before publishing the workflow. Click on ▶ and select an issue for the context of the evaluation of the given Jira expression. After clicking the "**Run**" button the result of the evaluation is shown in a message box below.

Learn more about how to test an expression!

To master Jira's expressions we strongly recommend reading the information we condensed on this single page. Especially when it comes to the difference between Jira expressions and 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
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 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
Evaluate the Parent Link field	Jira expression condition Jira expression validator	Evaluate different values of the issue in the Parent Link field of 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.	INTERMEDIATE
Evaluate worklogs in sub-tasks	Jira expression condition Jira expression validator	Evaluate if **work has been logged in a sub-task** to prevent transitioning the parent issue when no work has been logged. 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.