

Staff pick features

JWT is the best rated Jira app on the Atlassian Marketplace - we show you why!

Workflow functions

Conditions

Function	Short description	Label
Compare two values condition	Evaluate the comparison of two (field) values .	STAFF PICK
Condition based on JQL query	Evaluate issues against the output of a JQL query .	STAFF PICK
Condition on linked issues	Evaluate the current state (type, status, number, etc.) of issue links .	STAFF PICK
Condition on sub-tasks	Evaluate the current state (type, status, number, etc.) of sub-tasks .	STAFF PICK
Fields required	Check if fields are set/empty .	STAFF PICK
Logical condition	Evaluate a logical expression that returns true or false .	STAFF PICK

Validators

Function	Short description	Label
Compare two values validator	Evaluate the comparison of two (field) values .	STAFF PICK
Fields required or changed	Check if fields are set/empty or have/haven't changed on the transition screen.	STAFF PICK
Logical validator	Evaluate a logical expression that returns true or false .	STAFF PICK
Validation based on JQL query	Validate the current issue against the result of a JQL query .	STAFF PICK

Post functions

Function	Short description	Label
Add comment	Add a comment to an issue.	STAFF PICK
Copy field values from linked issues or subtasks	Copy the field values from one or multiple linked issues or sub-tasks . Values can also be aggregated.	STAFF PICK
Create issue	Create one or multiple issues or sub-tasks .	STAFF PICK
Create issue link	Create one or multiple issue links .	STAFF PICK
Execute remote action		
Send email	Send an email with custom content .	STAFF PICK
Transition issue	Transition any issue to any available target status.	STAFF PICK

Update field based on rules	Update a single issue field according to a set of rules .	STAFF PICK
Update or copy field values	Update one or multiple issue fields .	STAFF PICK

Want more?

Find a list of all workflow functions here: [JWT workflow functions \(overview\)](#)

Workflow use cases

Use case	JWT feature	Workflow function	Parser functions	Label
All sub-tasks must be resolved		Condition on sub-tasks Validation of sub-tasks		STAFF PICK
Block a transition until all sub-tasks have certain fields populated		Logical validator Logical condition	count() filterByPredicate() subtasks()	STAFF PICK
Create an issue in the current project		Create issue		STAFF PICK
Create sub-tasks depending on selected values in custom field		Create issue	toStringList()	STAFF PICK
Ensure that an issue has at least one attachment		Logical validator Logical condition		STAFF PICK
Escalate issue to assignee's supervisor		Copy JWT user property	userProperty()	STAFF PICK
Fast-track transition issues assigned to the project lead		Transition issue		STAFF PICK
Format the issue's summary according to specified rules		Format field value		STAFF PICK
Prevent issue creation with the same field value		Validation based on JQL query Logical validator		STAFF PICK
Prevent setting due dates outside business hours		Logical validator Logical condition	withinCalendar()	STAFF PICK
Set issue security level depending on reporter		Update field based on rules	issueSecurityLevel()	STAFF PICK

Start Progress on parent, if sub-tasks are started		Transition issue		STAFF PICK
Triage issues created by email		Move issue	toUpperCase() toString() findPattern() isInGroup()	STAFF PICK

Want more?

Find a list of all use cases here: [Use cases for workflow functions.](#)

Automation use cases

Use case	JWT feature	Automated action	Parser functions	Label
Automatically close parent when all sub-tasks are done		Transition issue action	count() filterByStatus() siblingSubtasks()	STAFF PICK
Automatically close sub-tasks when parent is completed		Transition issue action		STAFF PICK
Bulk clear the issue resolution		Update field action		STAFF PICK
Bulk edit the issue resolution		Update field action		STAFF PICK
Keep the status of parents and sub-tasks in sync		Transition issue action		STAFF PICK
Remind users to close inactive issues		Add comment action		STAFF PICK
Transition affected issues when releasing a version (automatically)		Transition issue action		STAFF PICK
Update assignee and reporter to facilitate user deletion		Add comment action Assign issue action Update field action		STAFF PICK

Want more?

Find a list of all use cases here: [Use cases for automation rules](#)

Calculated fields use cases

Use case	JWT feature	Field type	Parser functions	Label
Creation date of the linked epic		Date-time	first() fieldValue() linkedIssues()	STAFF PICK
Details of the last comment		Text		STAFF PICK
Elapsed time between creation and resolution		Number		STAFF PICK
Google Maps location		Text	replaceAll() toLowerCase()	STAFF PICK
Last comment, its author, and timestamp		Text	userFullName() dateToString() last() allCommentDates()	STAFF PICK
Number of unresolved blocking issues		Number	count() filterByResolution() linkedIssues()	STAFF PICK
Predicted completion date of an epic		Date-time	addTimeSkippingWeekends()	STAFF PICK
Total of all story points in an epic		Number	sum() fieldValue() issuesUnderEpic()	STAFF PICK

Want more?

Find a list of all use cases here: [Use cases for calculated fields](#)

Calendar use cases

Use case	JWT feature	Workflow function	Parser functions	Label
Add comment when creating issues outside of business hours		Add comment	withinCalendar()	STAFF PICK

Prevent setting due dates outside business hours



Logical validator

withinCalendar()

STAFF PICK

Logical condition

Want more?

Find a list of all use cases here: [Use cases for calendars](#)

Expression parser functions

Function name	Short description	Output	Label
addDaysSkippingWeekends()	Adds or subtracts natural days (or working days) to or from any given date.	NUMBER	STAFF PICK
allIssuesUnder()	Returns issues located in any level under a given parent issue according to Advanced Roadmaps hierarchy .	ISSUE LIST	STAFF PICK
count()	Returns the number of elements in a text, number or issue list.	NUMBER	STAFF PICK
datePart()	Returns the date part of any given timestamp .	NUMBER	STAFF PICK
dateTimeToString()	Returns the timestamp of any given date in text form .	TEXT	STAFF PICK
dateToString()	Returns the timestamp of a date part of any given date in text form .	TEXT	STAFF PICK
distinct()	Removes all duplicates from a number, text, or issue list.	LIST	STAFF PICK
fieldValue()	Returns a number or text list with field values .	NUMBER LIST TEXT LIST	STAFF PICK
filterByStatus()	Filters a given issue list by issue status .	ISSUE LIST	STAFF PICK
filterByValue()	Filters a number or text list using a given comparison .	LIST	STAFF PICK
first()	Returns the first element of a number, text, or issue list .	NUMBER TEXT ISSUE LIST	STAFF PICK
hasChanged()	Returns true only if the field has changed in the current transition.	BOOLEAN	STAFF PICK
isInGroup()	Checks whether users are a member of a specific group .	BOOLEAN	STAFF PICK
isJwtTriggeredTransition()	Checks whether a transition was executed by a JWT post function .	BOOLEAN	STAFF PICK
issuesAbove()	Returns all issues located in any level above a given parent issue according to Advanced Roadmaps hierarchy .	ISSUE LIST	STAFF PICK
issuesFromJQL()	Returns a list of issues returned by a specified JQL query .	ISSUE LIST	STAFF PICK
issuesUnder()	Returns issues located in the level just under a given parent issue according to Advanced Roadmaps hierarchy .	ISSUE LIST	STAFF PICK
issuesUnderEpic()	Returns all issues linked to a given epic	ISSUE LIST	STAFF PICK

<code>lastFieldChangeTime()</code>	Returns the timestamp of the most recent value change of any given field.	NUMBER	STAFF PICK
<code>linkedIssues()</code>	Returns a list of issues linked .	ISSUE LIST	STAFF PICK
<code>max()</code>	Returns the larger of two numeric values.	NUMBER	STAFF PICK
<code>min()</code>	Returns the smaller of two numeric values.	NUMBER	STAFF PICK
<code>parent()</code>	Returns the direct parent(s) of the given issue(s) according to Advanced Roadmaps hierarchy .	ISSUE LIST	STAFF PICK
<code>previousValue()</code>	Returns the previous value of a field for the current issue.	TEXT NUMBER	STAFF PICK
<code>replaceAll()</code>	Replaces all substrings matching a regular expression with a given replacement .	TEXT	STAFF PICK
<code>round()</code>	Returns the closest integer to the input number.	NUMBER	STAFF PICK
<code>setNumber()</code>	Creates a variable to temporarily store a number	NUMBER	STAFF PICK
<code>setStringList()</code>	Creates a variable to temporarily store a text list .	TEXT LIST	STAFF PICK
<code>siblingIssues()</code>	Returns all issues which are located directly under a given issue's parent according to Advanced Roadmaps hierarchy .	ISSUE LIST	STAFF PICK
<code>substring()</code>	Returns a specific part of a text.	TEXT	STAFF PICK
<code>subtasks()</code>	Returns sub-tasks of given issues.	ISSUE LIST	STAFF PICK
<code>sum()</code>	Sums up all values in a given number list.	NUMBER	STAFF PICK
<code>timeInStatus()</code>	Returns the time the current issue has remained in a specific status .	NUMBER	STAFF PICK
<code>timeInValue()</code>	Returns the time an issue field has had a specific value .	NUMBER	STAFF PICK
<code>toString()</code>	Converts numbers and lists into plain text.	TEXT	STAFF PICK
<code>trim()</code>	Removes leading and trailing blanks (white spaces and tabs) from a text.	TEXT	STAFF PICK
<code>usersInRole()</code>	Returns members of a given project role .	TEXT LIST	STAFF PICK
<code>withinCalendar()</code>	Checks whether a timestamp falls into a time frame defined in a JWT calendar specification .	BOOLEAN	STAFF PICK

Want more?

Find a list of all functions here: [JWT expression parser functions](#)

Field codes

Field codes	Returned value	Output data type	Label
<code>Attachments</code>	Comma-separated list of file names of all files attached to the issue	TEXT	STAFF-PICK

Attachments (only new attachments will be added)			STAFF-PICK
Issue status	Name of the current status in Jira's default language	TEXT	STAFF PICK
Jira base URL	Base URL of the current Jira instance	TEXT	STAFF-PICK
Last comment	Content of the last comment added to the issue	TEXT	STAFF PICK
New comment			STAFF-PICK
New watchers			STAFF-PICK
Number of attachments	Number of files attached to the current issue	NUMBER	STAFF-PICK
Number of sub-tasks	Number of sub-tasks of the current issue	NUMBER	STAFF-PICK
Previous issue status	Name of the status the issue was in before the current one	TEXT	STAFF-PICK
Project key	Project key of the current issue's project	TEXT	STAFF-PICK
Temporary number	Number previously stored in the temporary field	NUMBER	STAFF PICK
Temporary text	Text previously stored in the temporary field	TEXT	STAFF PICK

Want more?

Find a list of all field codes here: [Field codes](#)

JQL functions

JQL function	Short description	Output	Label
issueSelection()	Returns issues that satisfy both a JQL query and a JWT logical expression	ISSUE LIST	STAFF PICK
usersWithDateTimeProperty()	Returns users with specific date or date-time properties.	TEXT LIST	STAFF PICK
projectsWhereNumberProperty()	Returns projects with specific numeric properties .	TEXT LIST	STAFF PICK
linkedTo()	Returns issues linked to other issues satisfying a JQL subquery	ISSUE LIST	STAFF PICK

Want more?

Find a list of all JQL functions here: [JQL functions](#)

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

