

# Field codes

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One of the main features of **JWT for Jira Cloud** is the easy access to Jira data through the use of field codes.

Depending on the **selected Parsing mode**, the available field codes will vary. Custom fields are shown if they are defined for a global context or if the "Jira Workflow Toolbox Cloud" user has browse permissions for the respective project.

**JWT field codes** are currently available to be used in [post functions](#) with the following [Parsing modes](#):

- [General mode](#)
- [Logical mode](#)

**Jira expressions** use the [Jira expression parsing mode](#) and a different set of field codes. They can be used in post functions as well as in the [Jira expression condition/validator](#).

If you want to include Jira expression field codes in the [General mode](#) or the [Logical mode](#), simply use the JWT expression parser function `jiraExpression()`, e.g. `%{jiraExpression(issue?.sprint?.endDate)}` to get the end date of the sprint (this field is not available as JWT field code).

## General information about JWT field codes



### Field code notation

Depending on the **context** in which they are being used, field codes will contain a **prefix** following this **notation**: `{origin.field}`.

Available **contexts** (or **origins** ) in JWT for Jira Cloud are:

Context	Description
<b>issue</b>	The <b>issue</b> that is processed by the workflow post function
<b>parent</b>	The <b>parent</b> of the <b>issue</b> that is processed by the workflow post function - <b>if available</b>
<b>seed</b>	<p>The field <b>value</b> will be retrieved from the <b>element</b> currently being <b>processed by</b> a workflow function capable of handling multiple elements (e.g. <a href="#">Create issue</a> post function).</p> <p>Elements can be:</p> <ul style="list-style-type: none"><li>• <b>texts</b></li><li>• <b>numbers</b></li><li>• <b>issues</b></li></ul> <p>depending on your configuration. Read more about <a href="#">seeds</a>.</p>
<b>system</b>	Some data does <b>not have an issue context</b> (e.g. the <b>currently logged in user</b> or the <b>system date and time</b> )
<b>action</b>	This field code context is only available in the post function <a href="#">Execute remote action</a> . It is used to access data which is returned by the executed action.

The **prefix**, denoting the **origin** (where the data should be **read from / written to**), is a referential part of the field code and **will be inserted into the expression** whenever you select a field from a drop-down list.

Here are some examples:

Field code	Output
<code>%{issue.description}</code>	The <b>description</b> of the <b>current</b> issue
<code>%{parent.summary}</code>	The <b>summary</b> of the <b>parent</b> issue
<code>%{issue.project.lead}</code>	The <b>project lead</b> of the project the issue belong to
<code>%{seed.issue.summary}</code>	The <b>summary</b> of the current element of the issue list when using the mode "Multiple issues based on an issue list"
<code>%{seed.text }</code>	The <b>text</b> of the current element of the text list when using the mode "Multiple issues based on a text list"
<code>%{seed.number }</code>	The value of the current <b>number</b> when using the mode "Multiple issues based on a number"
<code>%{system.currentUser}</code>	The <b>current user</b> (executing the post function)
<code>%{action.status}</code>	The <b>status of the action</b> that was executed in the post function <a href="#">Execute remote action</a> .

## Numbers vs Text

Field codes must always be enclosed by **curly brackets**. If they are used for **texts**, the brackets must be preceded by a **percent sign %** .

- **Numeric fields** can be referenced as numbers using the following notation: `{issue.somenumberfield}` . (🔴 **no preceding % sign**)
  - If the field is not set or doesn't return a number (e.g. if the issue summary equals "Issue's summary" and you enter `{issue.summary}` ), it is evaluated to **null** .
- **Text fields**: Any field type or data type can be transformed to text, so **any field can be referenced as a text value** using the following notation: `%{issue.somefield}`
  - If a field has no value ( **null** ), an empty text will be returned.
- **Cascading Select** fields are treated as text fields, where **i** is the index that represents the level to be accessed. ( **i = 0** is used for base level) are notated as `%{issue.somefield.i}`

For some fields not only their value can be returned, but also the respective **ID**. This ID is typically used when **writing** a field value, but it can also be used when reading a field value.

If a custom field is able to return an ID it can be accessed using the field code `%{somefield.id}` . The column **ID** in the lists below shows a value for the respective field, if applicable.

## Available JWT field codes

- Issue related fields can belong to an **issue** or it's **parent** . In case you want to retrieve the value of the parent issue, " **issue** " has to be replaced " **parent** " as in `%{parent.summary}` . In case, a field is not set (or even non-existent), this field is evaluated to **null** , i.e. an empty text.
- The field codes for all custom fields are notated in the following format: `%{issue.cfnnnnn}` , where **nnnnn** contains the Jira **custom field ID**.
- If **Jira Software** is installed on your Jira instance, you can retrieve the data stored in the Jira Software related field with **Jira Workflow Toolbox for Jira Cloud** as well. You can access those, like any other custom field in your instance, i.e. `%{issue.cfnnnnn}` , where **nnnnn** contains the Jira **custom field ID** .
- Writable fields can be updated by JWT for Jira Cloud **post functions** . All writable fields are also readable.
- The field codes for all custom fields are notated in the following format: `%{issue.cfnnnnn}` , where **nnnnn** contains the Jira **custom field ID**.

Please note that the field you want to set **must be located on the corresponding screen** and the executing user must have all the necessary **p ermissions** and **access** to the issue.

## General information about Jira expression field codes

All fields, methods and operators listed for the Jira expression field codes have been taken from the [official documentation](#) and cannot be extended by JWT for Jira Cloud.

In the list we use [optional chaining](#) to avoid errors when trying to access field values of null objects. In case a field is not set, **null** is returned for the respective attribute, e.g. `issue?.resolution?.name` will return **null** in case the `resolution` is not set. Without the optional chaining an error will be returned.

If a `.map()` function is used as field code (e.g. `issue?.links?.map(link => link.linkedIssue.key)` for [Keys of linked issues](#) ), then this map will return an error in case the issue does not have links. You have to ensure in your final expression that this error will be handled. This can be done by using the field code only when there are issue links, e.g. `issue.links != null && issue?.links?.map(link => link.linkedIssue.key)`.

**All custom fields are available** and can be referenced by one of the following:

- **ID:** `issue.customfield_10010` for default custom field types
- **key:** `issue['com.my.app.field-key']` for custom field types provided by 3rd party apps

Custom fields are returned as JSON values, using exactly the same format as in the issue REST API. You have to access the respective property, e.g. `issue.customfield_10010.value`.

Any field that is hidden in the active field configuration for the current issue will be returned as **null**, regardless of its actual value. Read more about hiding and showing fields in the documentation on the [Changing a field configuration](#) page.

## All available field codes in one place!

### Attachment

Field name	JWT field code	Jira expression field code	Example output
<a href="#">Attachment author</a>		<code>issue?.attachments[0]?.author</code>	557068:145e0983-5707-439c-80e4-1160dd57g114
<a href="#">Attachment created</a>		<code>issue?.attachments[0]?.created</code>	2021-07-26T06:38:17.622-1100
<a href="#">Attachment file name</a>		<code>issue?.attachments[0]?.filename</code>	img01.png
<a href="#">Attachment ID</a>		<code>issue?.attachments[0]?.id</code>	10042
<a href="#">Attachment media type</a>		<code>issue?.attachments[0]?.mimeType</code>	image/jpeg
<a href="#">Attachments</a>	<code>{issue.attachments}</code>	<code>issue?.attachments?.map(a =&gt; a.filename)</code>	file1.txt,readme.pdf,screenshot.png
<a href="#">Attachment size</a>		<code>issue?.attachments[0]?.size</code>	80000

## Comment

Field name	JWT field code	Jira expression field code	Example output
Comment author		issue?.comments[0]?.author?.accountId	557068:145e0983-5707-439c-80e4-1160dd57g114
Comment body		issue?.comments[0]?.body?.plainText	Could someone review this issue? Thank you.
Comment created		issue?.comments[0]?.created	2019-03-05T04:30:41.229-1100
Comment ID		issue?.comments[0]?.id	10991
Comment updated		issue?.comments[0]?.updated	2020-02-24T23:10:57.293-1100
Days since last comment	{issue.cfnnnnn}	issue?.customfield_nnnnn	2
Last comment	{%{issue.lastComment}}	issue?.comments != [] ? issue?.comments[issue?.comments?.length-1].body?.plainText : null	Take your Jira to the next level by using JWT for Jira Cloud
Last commented by a User Flag	{%{issue.cfnnnnn}}	issue?.customfield_nnnnn	true
Last commenter	{%{issue.lastComment.author}}	issue?.comments!= [] ? issue?.comments[issue?.comments?.length-1].author?.accountId : null	557068:145e0983-5707-439c-80e4-1160dd57g114
Last public comment date	{%{issue.cfnnnnn}}	issue?.customfield_nnnnn	Thu Feb 13 10:34:55 UTC 2020

## Component

Field name	JWT field code	Jira expression field code	Example input	Example output
Component/s	{%{issue.components}}	issue?.components?.map(c => c.name)		Web Site,Authenticator,Statistics
Component/s ID	{issue.components.id}	issue?.components?.map(c => c.id)	10000,10001	10010,10020,10030
Component/s leads	{%{issue.components.leads}}			557068:145e0983-5707-439c-80e4-1160dd57g114,777068:145e0983-5707-439c-80e4-1160dd57x554,765428:168p0983-5987-444e-80e4-1160dd57g114

## Date and time

Field name	JWT field code	Jira expression field code	Example input	Example output
Current date and time	<code>%{system.currentDateTime}</code>	<code>new Date()</code>		2019-04-01T14:19:07.060+0200
Date and time of creation	<code>%{issue.created}</code>	<code>issue?.created</code>		2019-04-01T14:19:07.060+0200
Date and time of last update	<code>%{issue.updated}</code>	<code>issue?.updated</code>		2019-04-01T14:19:07.060+0200
Date and time of latest status change	<code>%{issue.lastStatusChange}</code>			2019-04-01T14:19:07.060+0200
Date and time of resolution	<code>%{issue.resolutionDate}</code>	<code>issue?.resolutionDate</code>		2019-04-01T14:19:07.060+0200
Date Picker	<code>%{issue.cfnnnnn}</code>	<code>issue?.customfield_nnnnn</code>	2020-04-22	2020-04-22
Date Time Picker	<code>%{issue.cfnnnnn}</code>	<code>issue?.customfield_nnnnn</code>	2020-04-23T14:26:00.000+0100	2020-04-23T14:26:00.000+0100
Days since last comment	<code>{issue.cfnnnnn}</code>	<code>issue?.customfield_nnnnn</code>		2
Due date	<code>%{issue.dueDate}</code>	<code>issue?.dueDate</code>	2019-10-22	2019-10-22
Original estimate	<code>%{issue.originalEstimate.text}</code>			3h 30m
Original estimate (minutes)	<code>{issue.originalEstimate}</code>	<code>issue?.originalEstimate/60</code>	60	210
Remaining estimate	<code>%{issue.remainingEstimate.text}</code>			2h 45m
Remaining estimate (minutes)	<code>{issue.remainingEstimate}</code>	<code>issue?.remainingEstimate/60</code>	60	165
Resolution date	<code>%{issue.resolutionDate}</code>	<code>issue?.resolutionDate</code>		2019-12-04T09:30:46.279+0100
Total time spent (minutes)	<code>{issue.timeSpent}</code>	<code>issue?.timeSpent/60</code>		90

## Issue-related

Field name	JWT field code	Jira expression field code	Example input	Example output
Affects version/s	<code>%{issue.versions}</code>	<code>issue?.versions?.map(v =&gt; v.name)</code>		Version 1.0,Version 1.2
Affects version /s ID	<code>{issue.versions.id}</code>	<code>issue?.versions?.map(v =&gt; v.id)</code>	10054, 10056	10010,10020,10030

Assignee	% {issue. assigne e}	issue?.assignee?. accountId	557068:145e0983-5707- 439c-80e4-1160dd57g114	557068:145e0983-5707-439c-80e4- 1160dd57g114
Assigne e's email	% {issue. assigne e. email}			user@example.com
Assigne e's full name	% {issue. assigne e. display Name}	issue?.assignee?. displayName		Bob Smith
Attachm ents	% {issue. attachm ents}	issue?.attachments?.map (a => a.filename)		file1.txt,readme.pdf,screenshot.png
Available target statuses	% {issue. status. achieva ble}			In Progress,Resolved,Closed
Available transitions	% {issue. transit ions. achieva ble}			Start Progress,Resolve Issue,Close Issue
Checkbo xes	% {issue. cfnnnnn}	issue?.customfield_nnnn?. map(c => c.value)	10003,10004	Checkbox 1,Checkbox 2
Compon ent/s	% {issue. compone nts}	issue?.components?.map(c => c.name)		Web Site,Authenticator,Statistics
Compon ent/s ID	{issue. compone nts.id}	issue?.components?.map(c => c.id)	10000, 10001	10010,10020,10030
Compon ent/s leads	% {issue. compone nts. leads}			557068:145e0983-5707-439c-80e4- 1160dd57g114,777068:145e0983-5707- 439c-80e4-1160dd57x554,765428: 168p0983-5987-444e-80e4-1160dd57g114
Creator	% {issue. creator}	issue?.creator?.accountId		765428:168p0983-5987-444e-80e4- 1160dd57g114
Creator's email	% {issue. creator .email}			user@example.com
Creator's full name	% {issue. creator .display Name}	issue?.creator?. displayName		Bob Smith

Date and time of creation	% {issue.created}	issue?.created		2019-04-01T14:19:07.060+0200
Date and time of last update	% {issue.updated}	issue?.updated		2019-04-01T14:19:07.060+0200
Date and time of latest status change	% {issue.lastStatusChange}			2019-04-01T14:19:07.060+0200
Date and time of resolution	% {issue.resolutionDate}	issue?.resolutionDate		2019-04-01T14:19:07.060+0200
Date Picker	% {issue.cfnnnnn}	issue?.customfield_nnnnn	2020-04-22	2020-04-22
Date Time Picker	% {issue.cfnnnnn}	issue?.customfield_nnnnn	2020-04-23T14:26:00.000+0100	2020-04-23T14:26:00.000+0100
Days since last comment	{issue.cfnnnnn}	issue?.customfield_nnnnn		2
Description	% {issue.description}	issue?.description?.plainText	Take your Jira to the next level by using JWT for Jira Cloud	Take your Jira to the next level by using JWT for Jira Cloud
Domain of Assignee	% {issue.cfnnnnn}	issue?.customfield_nnnnn		<a href="#">decadis.de</a>
Domain of reporter	% {issue.cfnnnnn}	issue?.customfield_nnnnn		<a href="#">atlassian.com</a>
Due date	% {issue.dueDate}	issue?.dueDate	2019-10-22	2019-10-22
Environment	% {issue.environment}	issue?.environment?.plainText	Take your Jira to the next level by using JWT for Jira Cloud	Cloud
Fix version/s	% {issue.fixVersions}	issue?.fixVersions?.map(v => v.name)		1.0,2.0,2.1
Fix version /s ID	{issue.fixVersions.id}	issue?.fixVersions?.map(v => v.id)	10007, 10000	10010,10020,10030
Group Picker (multiple groups)	% {issue.cfnnnnn}	issue?.customfield_nnnnn.map(g =>g.name)	admin, jira-developers	admin,jira-developers

Group Picker (multiple groups) ID	% {issue.cfnnnnn.id}	issue?.customfield_nnnnn.map(g =>g.groupId)	b23a6c98-ad4f-4b31-973d-adc056c49190, 02d209f7-ddbb-4362-a22b-38a503bddca0	b23a6c98-ad4f-4b31-973d-adc056c49190,02d209f7-ddbb-4362-a22b-38a503bddca0
Group Picker (single group)	% {issue.cfnnnnn}	issue?.customfield_nnnnn?.name	Admin	Administration
Group Picker (single group) ID	% {issue.cfnnnnn.id}	issue?.customfield_nnnnn?.groupId	Admin	Administration
Issue ID	{issue.id}	issue?.id		10001
Issue key	% {issue.key}	issue?.key		CRM-25
Issue link direction		issue?.links[0]?.direction		inward
Issue link ID		issue?.links[0]?.id		10045
Issue link inward issue		issue?.links[0]?.inwardIssue?.key		PRJ-5
Issue link linked issue		issue?.links[0]?.linkedIssue?.key		PRJ-5
Issue link outward issue		issue?.links[0]?.outwardIssue?.key		PRJ-77
Issue link type ID		issue?.links[0]?.type?.id		10002
Issue link type inward		issue?.links[0]?.type?.inward		is duplicated by
Issue link type name		issue?.links[0]?.type?.name		Duplicates
Issue link type outward		issue?.links[0]?.type?.outward		duplicates
Issue status	% {issue.status}	issue?.status?.name		Open
Issue status category	% {issue.status.category}	issue?.status?.category?.name		Done



Issue status ID	% {issue. status. id}	issue?.status?.id		10100
Issue type	% {issue. issueType pe}	issue?.issueType?.name	10003	Improvement
Issue type description		issue?.issueType?.description		A task that needs to be done.
Issue type ID	{issue. issueType. pe.id}	issue?.issueType?.id		10056
Keys of linked issues	% {issue. links}	issue?.links?.map(link => link.linkedIssue.key)		CRM-13,HR-25,SD-12
Keys of sub-tasks	% {issue. subtasks s}	issue?.subtasks?.map(s => s.key)		CRM-23,CRM-26,CRM-31
Labels	% {issue. labels}	issue?.labels	web, customer, java, mobile	web,customer,java,mobile
Labels (Custom field)	%{issue. cfnnnnn}	issue?.cfnnnnn	web, customer, java, mobile	web,customer,java,mobile
Last comment	% {issue. lastCom ment}	issue?.comments != [] ? issue?.comments[issue?. comments?.length-1]. body?.plainText : null		Take your Jira to the next level by using JWT for Jira Cloud
Last commented by a User Flag	% {issue. cfnnnnn}	issue?.customfield_nnenn		true
Last commenter	% {issue. lastCom ment. author}	issue?.comments!= [] ? issue?.comments[issue?. comments?.length-1]. author?.accountId : null		557068:145e0983-5707-439c-80e4-1160dd57g114
Last public comment date	% {issue. cfnnnnn}	issue?.customfield_nnenn		Thu Feb 13 10:34:55 UTC 2020
Number Field	{issue. cfnnnnn}	issue?.customfield_nnenn	12.12	2.7181
Number of affects version/s	{issue. version s. length}	issue?.versions?.length		3
Number of attachments	{issue. attachm ents. length}	issue?.attachments?. length		3

Number of comments	{issue.cfnnnnn}	issue?.customfield_nnnnn		7	
Number of fix version/s	{issue.fixVersions.length}	issue?.fixVersions?.length		5	
Number of labels	{issue.labels.length}	issue?.labels?.length		4	
Number of linked issues	{issue.links.length}	issue?.links?.length		3	
Number of sub-tasks	{issue.subtasks.length}	issue?.subtasks?.length		3	
Number of votes received	% {issue.votes}	issue?.votes		5	
Original estimate	% {issue.originalEstimate.text}			3h 30m	
Original estimate (minutes)	{issue.originalEstimate}	issue?.originalEstimate /60	60	210	
Participants of an issue	% {issue.cfnnnnn}	issue?.customfield_nnnnn?.map(p =>p.accountId)		557068:145e0983-5707-439c-80e4-1160dd57g114,777068:145e0983-5707-439c-80e4-1160dd57x554	
Previous issue status	% {issue.status.previous}			Closed	
Priority	% {issue.priority}	issue?.priority?.name		Critical	
Priority ID	{issue.priority.id}	issue?.priority?.id	10004	10010	
Project	% {issue.project}	issue?.project?.key		HR	
Project category	% {issue.project.category}	issue?.project?.projectCategory?.name		Development	

Project description	% {issue.project.description}			Take your Jira to the next level by using JWT for Jira Cloud
Project ID	{issue.project.id}	issue?.project?.id	10200	10100
Project key	% {issue.project.key}	issue?.project?.key		HR
Project lead	% {issue.project.lead}			557068:145e0983-5707-439c-80e4-1160dd57g114
Project lead's email	% {issue.project.leadEmail}			user@example.com
Project lead's full name	% {issue.project.leadDisplayName}			Robert Smith
Project name	% {issue.project.name}	issue?.project?.name		Customer Relationship Management
Project Picker (single project)	% {issue.cfnnnnn}	issue?.customfield_nnnnn?.key	10045	PRJ
Project Picker (single project) - Name	% {issue.cfnnnnn.name}	issue?.customfield_nnnnn?.name		Development Project
Project URL	% {issue.project.url}			<a href="https://www.decadis.de/x">https://www.decadis.de/x</a>
Radio Buttons	% {issue.cfnnnnn}	issue?.customfield_nnnnn?.value	10012	Radio 1
Remaining estimate	% {issue.remainingEstimate.text}			2h 45m
Remaining estimate (minutes)	{issue.remainingEstimate}	issue?.remainingEstimate / 60	60	165

Reporter	% {issue. reporter}	issue?.reporter?. accountId	557068:145e0983-5707- 439c-80e4-1160dd57g114	557068:145e0983-5707-439c-80e4- 1160dd57g114
Reporter's email	% {issue. reporter. email}			user@example.com
Reporter's full name	% {issue. reporter. displayName}	issue?.reporter?. displayName		Robert Smith
Resolution	% {issue. resolution}	issue?.resolution?.name		Won't fix
Resolution ID	% {issue. resolution.id}	issue?.resolution?.id	10200	10000
Security level	% {issue. securityLevel}	issue?.securityLevel?. name		Classified
Security level ID	{issue. securityLevel. id}	issue?.securityLevel?.id	10010	10001
Select list (cascading)	% {issue. cfnnnnn}	[issue?. customfield_nnnnn?.value, issue?. customfield_nnnnn?. child?.value]	10034,10555	Parent,child
Select List (multiple choices)	% {issue. cfnnnnn}	issue?. customfield_nnnnn?.map(e => e.value)	10054, 10056	Option1,Option3
Select List (single choice)	% {issue. cfnnnnn}	issue?. customfield_nnnnn?.value	10054	Option 2
Summary	% {issue. summary}	issue?.summary	Take your Jira to the next level by using JWT for Jira Cloud	Take your Jira to the next level by using JWT for Jira Cloud
Text Field (multiline)	% {issue. cfnnnnn}	issue?.customfield_nnnnn	A text with a  couple of lines.	A text with a  couple of lines.
Text field (single line)	% {issue. cfnnnnn}	issue?.customfield_nnnnn	One-liner	This is only one line.
Total time spent (minutes)	{issue. timeSpent}	issue?.timeSpent/60		90

URL Field	% {issue. cfnnnnn}	issue?.customfield_nnnnn	<a href="#">apps.decadis.net</a>	<a href="#">apps.decadis.net</a>
Username of last updater or commenter	% {issue. cfnnnnn}	issue?. customfield_nnnnn?. accountId		777068:145e0983-5707-439c-80e4-1160dd57x554
User Picker (multiple users)	% {issue. cfnnnnn}	issue?. customfield_nnnnn?.map(u => u.accountId)	557068:145e0983-5707-439c-80e4-1160dd57g114, 777068:145e0983-5707-439c-80e4-1160dd57x554	557068:145e0983-5707-439c-80e4-1160dd57g114,777068:145e0983-5707-439c-80e4-1160dd57x554
User Picker (single user)	% {issue. cfnnnnn}	issue?. customfield_nnnnn?. accountId	557068:145e0983-5707-439c-80e4-1160dd57g114	557068:145e0983-5707-439c-80e4-1160dd57g114
Version Picker (multiple versions)	% {issue. cfnnnnn}	issue?. customfield_nnnnn?.map(v => v.name).sort()	Version 1.0,Version 1.2	Version 1.0,Version 1.2
Version Picker (single version)	% {issue. cfnnnnn}	issue?. customfield_nnnnn?.name	10010	Version 1.2
Watchers	% {issue. watcher}	issue?.watchers?.map(w => w.accountId)		557068:145e0983-5707-439c-80e4-1160dd57g114,777068:145e0983-5707-439c-80e4-1160dd57x554

## Jira software

If [Jira Software](#) is licensed for the current user, the following fields will also be available.

Epics (issues that have `issue.isEpic` equal to `true` or returned by `issue.epic` ) have additional, epic-specific fields. These fields are `null` for regular issues.

Field name	JWT field code	Jira expression field code	Example input	Example output
Closed sprints		issue?.closedSprints?.map(s => s.name)		Start, MVP
Epic color	%{issue. cfnnnn}	issue?.epic?.color		color_8
Epic done		issue?.epic?.done		true
Epic link	%{issue. cfnnnn}	issue?.epic?.key	PRJ-2	PRJ-2
Epic name	%{issue. cfnnnn}	issue?.epic?.name	This is my Epic's name	This is my Epic's name
Epic Status	%{issue. cfnnnn}	issue?.epic?.status?.name		To Do
Flagged		issue?.flagged		true
is Epic		issue?.isEpic		true
Rank	%{issue. cfnnnn}	issue?.customfield_nnnnn		0 i0016n:

Sprint	%{issue.cfnnnnn}	issue?.customfield_nnnnn?.map(c => c.name).sort()	2	First sprint
Sprint completeDate		issue?.sprint?.completeDate		2021-08-10T15:08:00.000Z
Sprint endDate		issue?.sprint?.endDate		2021-06-10T04:08:00.000-1100
Sprint goal		issue?.sprint?.goal		Finish MVP
Sprint ID	{issue.cfnnnnn}	issue?.customfield_nnnnn?.map(c => c.id).sort()		4
Sprint startDate		issue?.sprint?.startDate		2021-05-27T04:08:00.000-1100
Sprint state		issue?.sprint?.state		active
Stories		issue?.epic?.stories?.map(s => s.key)		PU-3,PU-25,PU-7
Story point estimate	%{issue.cfnnnnn}	issue?.customfield_nnnnn	34	40

## Numbers

Field name	JWT field code	Jira expression field code	Example input	Example output
Number Field	{issue.cfnnnnn}	issue?.customfield_nnnnn	12.12	2.7181
Number of affects version /s	{issue.versions.length}	issue?.versions?.length		3
Number of attachments	{issue.attachments.length}	issue?.attachments?.length		3
Number of comments	{issue.cfnnnnn}	issue?.customfield_nnnnn		7
Number of fix version/s	{issue.fixVersions.length}	issue?.fixVersions?.length		5
Number of labels	{issue.labels.length}	issue?.labels?.length		4
Number of linked issues	{issue.links.length}	issue?.links?.length		3
Number of sub-tasks	{issue.subtasks.length}	issue?.subtasks?.length		3
Number of votes received	%{issue.votes}	issue?.votes		5

## Priority

Field name	JWT field code	Jira expression field code	Example input	Example output
Priority	%{issue.priority}	issue?.priority?.name		Critical
Priority description		issue?.priority?.description		This is the highest priority
Priority ID	{issue.priority.id}	issue?.priority?.id	10004	10010

## Project

Field name	JWT field code	Jira expression field code	Example input	Example output
Project	<code>%{issue.project}</code>	<code>issue?.project?.key</code>		HR
Project category	<code>%{issue.project.category}</code>	<code>issue?.project?.projectCategory?.name</code>		Development
Project description	<code>%{issue.project.description}</code>			Take your Jira to the next level by using JWT for Jira Cloud
Project ID	<code>{issue.project.id}</code>	<code>issue?.project?.id</code>	10200	10100
Project key	<code>%{issue.project.key}</code>	<code>issue?.project?.key</code>		HR
Project lead	<code>%{issue.project.lead}</code>			557068:145e0983-5707-439c-80e4-1160dd57g114
Project lead's email	<code>%{issue.project.leadEmail}</code>			user@example.com
Project lead's full name	<code>%{issue.project.leadDisplayName}</code>			Robert Smith
Project name	<code>%{issue.project.name}</code>	<code>issue?.project?.name</code>		Customer Relationship Management
Project Picker (single project)	<code>%{issue.cfnnnnn}</code>	<code>issue?.customfield_nnnnn?.key</code>	10045	PRJ
Project Picker (single project) - Name	<code>%{issue.cfnnnnn.name}</code>	<code>issue?.customfield_nnnnn?.name</code>		Development Project
Project style		<code>issue?.project?.style</code>		classic
Project type key		<code>issue?.project?.projectTypeKey</code>		software
Project URL	<code>%{issue.project.url}</code>			<a href="https://www.decadis.de/x">https://www.decadis.de/x</a>

## Resolution

Field name	JWT field code	Jira expression field code	Example input	Example output
Resolution	<code>%{issue.resolution}</code>	<code>issue?.resolution?.name</code>		Won't fix
Resolution date	<code>%{issue.resolutionDate}</code>	<code>issue?.resolutionDate</code>		2019-12-04T09:30:46.279+0100
Resolution description		<code>issue?.resolution?.description</code>		Work has been completed on this issue.
Resolution ID	<code>%{issue.resolution.id}</code>	<code>issue?.resolution?.id</code>	10200	10000

## Security

Field name	JWT field code	Jira expression field code	Example input	Example output
Security level	<code>%{issue.securityLevel}</code>	<code>issue?.securityLevel?.name</code>		Classified
Security level description		<code>issue?.securityLevel?.description</code>		only the reporter has access
Security level ID	<code>{issue.securityLevel.id}</code>	<code>issue?.securityLevel?.id</code>	10010	10001

## Status

Field name	JWT field code	Jira expression field code	Example input	Example output
Available target statuses	<code>%{issue.status.achievable}</code>			In Progress,Resolved,Closed
Available transitions	<code>%{issue.transitions.achievable}</code>			Start Progress,Resolve Issue,Close Issue
Issue status	<code>%{issue.status}</code>	<code>issue?.status?.name</code>		Open
Issue status category	<code>%{issue.status.category}</code>	<code>issue?.status?.category?.name</code>		Done
Issue status description		<code>issue?.status?.description</code>		This issue is considered Done
Issue status ID	<code>%{issue.status.id}</code>	<code>issue?.status?.id</code>		10100
Previous issue status	<code>%{issue.status.previous}</code>			Closed
Status category color		<code>issue?.status?.category?.colorName</code>		grey-blue
Status category ID		<code>issue?.status?.category?.id</code>		4
Status category key		<code>issue?.status?.category?.key</code>		New

## System

Field name	JWT field code	Jira expression field code	Example input	Example output
Current date and time	<code>%{system.currentDateTime}</code>	<code>new Date()</code>		2019-04-01T14:19:07.060+0200



Current user	<code>%{system.currentUser}</code>	<code>user.accountId</code>	777068:145e0983-5707-439c-80e4-1160dd57x554
Current user's email	<code>%{system.currentUser.email}</code>		<a href="mailto:user@example.com">user@example.com</a>
Current user's full name	<code>%{system.currentUser.displayName}</code>	<code>user.displayName</code>	Bob Smith
JIRA base URL	<code>%{system.baseUrl}</code>		<a href="https://jwt-cloud.atlassian.net">https://jwt-cloud.atlassian.net</a>

## User

Field name	JWT field code	Jira expression field code	Example input	Example output
Assignee	<code>%{issue.assignee}</code>	<code>issue?.assignee?.accountId</code>	557068:145e0983-5707-439c-80e4-1160dd57g114	557068:145e0983-5707-439c-80e4-1160dd57g114
Assignee's email	<code>%{issue.assignee.email}</code>			<a href="mailto:user@example.com">user@example.com</a>
Assignee's full name	<code>%{issue.assignee.displayName}</code>	<code>issue?.assignee?.displayName</code>		Bob Smith
Creator	<code>%{issue.creator}</code>	<code>issue?.creator?.accountId</code>		765428:168p0983-5987-444e-80e4-1160dd57g114
Creator's email	<code>%{issue.creator.email}</code>			<a href="mailto:user@example.com">user@example.com</a>
Creator's full name	<code>%{issue.creator.displayName}</code>	<code>issue?.creator?.displayName</code>		Bob Smith
Current user	<code>%{system.currentUser}</code>	<code>user.accountId</code>		777068:145e0983-5707-439c-80e4-1160dd57x554
Current user's email	<code>%{system.currentUser.email}</code>			<a href="mailto:user@example.com">user@example.com</a>
Current user's full name	<code>%{system.currentUser.displayName}</code>	<code>user.displayName</code>		Bob Smith
Group Picker (multiple groups)	<code>%{issue.cfnnnnn}</code>	<code>issue?.customfield_nnnnn.map (g = &gt;g.name)</code>	admin, jira-developers	admin,jira-developers
Group Picker (multiple groups) ID	<code>%{issue.cfnnnnn.id}</code>	<code>issue?.customfield_nnnnn.map (g = &gt;g.groupId)</code>	b23a6c98-ad4f-4b31-973d-adc056c49190, 02d209f7-dbbb-4362-a22b-38a503bddca0	b23a6c98-ad4f-4b31-973d-adc056c49190,02d209f7-dbbb-4362-a22b-38a503bddca0

Group Picker (single group)	%{issue.cfnnnnn}	issue?.customfield_nnnnn?.name	Admin	Administration
Group Picker (single group) ID	%{issue.cfnnnnn.id}	issue?.customfield_nnnnn?.groupId	Admin	Administration
Last commenter	%{issue.lastComment.author}	issue?.comments!= [] ? issue?.comments[issue?.comments?.length-1].author?.accountId : null		557068:145e0983-5707-439c-80e4-1160dd57g114
Participants of an issue	%{issue.cfnnnnn}	issue?.customfield_nnnnn?.map(p => p.accountId)		557068:145e0983-5707-439c-80e4-1160dd57g114,777068:145e0983-5707-439c-80e4-1160dd57x554
Reporter	%{issue.reporter}	issue?.reporter?.accountId	557068:145e0983-5707-439c-80e4-1160dd57g114	557068:145e0983-5707-439c-80e4-1160dd57g114
Reporter's email	%{issue.reporter.email}			user@example.com
Reporter's full name	%{issue.reporter.displayName}	issue?.reporter?.displayName		Robert Smith
Username of last updater or commenter	%{issue.cfnnnnn}	issue?.customfield_nnnnn?.accountId		777068:145e0983-5707-439c-80e4-1160dd57x554
User Picker (multiple users)	%{issue.cfnnnnn}	issue?.customfield_nnnnn?.map(u => u.accountId)	557068:145e0983-5707-439c-80e4-1160dd57g114,777068:145e0983-5707-439c-80e4-1160dd57x554	557068:145e0983-5707-439c-80e4-1160dd57g114,777068:145e0983-5707-439c-80e4-1160dd57x554
User Picker (single user)	%{issue.cfnnnnn}	issue?.customfield_nnnnn?.accountId	557068:145e0983-5707-439c-80e4-1160dd57g114	557068:145e0983-5707-439c-80e4-1160dd57g114
Watchers	%{issue.watcher}	issue?.watchers?.map(w => w.accountId)		557068:145e0983-5707-439c-80e4-1160dd57g114,777068:145e0983-5707-439c-80e4-1160dd57x554

## Version

Field name	JWT field code	Jira expression field code	Example input	Example output
Affects version/s	%{issue.versions}	issue?.versions?.map(v => v.name)		Version 1.0, Version 1.2
Affects version/s ID	{issue.versions.id}	issue?.versions?.map(v => v.id)	10054, 10056	10010,10020,10030
Fix version/s	%{issue.fixVersions}	issue?.fixVersions?.map(v => v.name)		1.0,2.0,2.1

Fix version/s ID	{issue. fixVersions.id}	issue?.fixVersions?.map(v => v.id)	10007, 10000	10010,10020,10030
Version archived		issue?.versions[0]?.archived issue?.fixVersions[0]?.archived		false
Version description		issue?.versions[0]?.description issue?.fixVersions[0]?.description		Switching to React Frontend
Version Picker (multiple versions)	%{issue. cfnnnnn}	issue?.customfield_nnnnn?.map(v => v.name).sort()	Version 1.0, Version 1.2	Version 1.0, Version 1.2
Version Picker (single version)	%{issue. cfnnnnn}	issue?.customfield_nnnnn?.name	10010	Version 1.2
Version released				true
Version release date		issue?.versions[0]?.releaseDate issue?.fixVersions[0]?.releaseDate		2020-04-28

## Action related

Field name	JWT field code	Jira expression field code	Example input	Example output
Action response	%{action. response}			{"self": "https://your-domain.atlassian.net/jira/rest/api/3/project/10042","id": 10010,"key": "PROJ"}
Action response details	%{action. response. JMESPath}			PROJ
Action status	%{action. status}			200

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