

Calculated Date-Time Field

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Calculated Date-Time Field

This type of **read-only** custom field has a value which is dynamically calculated from a custom math/time expression. It can be used to obtain a date-time value depending on the value of other fields in current issue, or in any other issues: linked issues, sub-tasks, epics, stories, JQL selected issues, etc.



For stability reasons, self-referencing of the field to be configured is not allowed in basic mode. In all other modes, we do not recommend using the field code, except in special cases

Configuration

Edit Math/Time Expression

This parameter contains a valid [math/time expression](#) that will be calculated each time the value of the field is required.

The **math/time** expression is expected to return a numeric value that represents a moment in time as the **milliseconds** elapsed since January 1, 1970, 00:00:00 GMT.

Example: Date-Time of creation of an epic

In this example we show how to create a calculated number field called "**Date-Time Creation of Epic**" that will return the date-time of creation of the **Epic** issue. When current issue doesn't have an Epic issue, then the **null** is returned, and no value is shown.

1) Create a new **Calculated Date-Time Field** custom field called "**Date-Time Creation of Epic**" at **Administration > Issues > Custom fields > Add Custom Field > Advanced > Calculated Date-Time Field (by JWT)**

2) Go to configuration screen of the newly created custom field:

Date-Time Creation of Epic	Calculated Date-Time Field (by JWT)	Issue type(s): Global (all issues)	• Default Screen
Group Picker JIRA native custom field	Group Picker (single group)	Issue type(s): Global (all issues)	Configure
			Edit
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3) Click on 'Edit Math/Time Expression':

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Configure Custom Field: Date-Time Creation of Epic

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Below are the Custom Field Configuration schemes for this custom field. Schemes are applicable for various issues types in a particular context. You can configure a custom field differently for each project context or in a global context. Moreover, project level schemes will over-ride global ones.

- [Add new context](#)
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Default Configuration Scheme for Date-Time Creation of Epic

Default configuration scheme generated by JIRA

Applicable contexts for scheme: [Edit Configuration](#)

Issue type(s): Global (all issues)

Math/Time Expression: [Edit Math/Time Expression](#) 

WARNING: Math/Time Expression not yet initialized.

Display Format: [Edit Display Format](#)

Format: **Date Time Picker**

Example: 14/Feb/17 2:23 PM.

4) Configure the field by entering a **math/time expression**:

Date/Time Expression

Date/Time expression for Calculated Date/Time field: [Line 1 / Col 54] [Syntax Specification](#) [Check Syntax](#)

```
1 first(fieldValue({00009}, linkedIssues("has Epic")))
```

Summary - [Text] - %{00000} ▾ [Insert String Value](#)

Date and time of creation - [Date and time] - {00009} ▾ [Insert Numeric Value](#)

5) Once configured, the configuration of the new custom field looks like this:

Default Configuration Scheme for Date-Time Creation of Epic

Default configuration scheme generated by JIRA

Applicable contexts for scheme: [Edit Configuration](#)

Issue type(s):
Global (all issues)

Math/Time Expression: [Edit Math/Time Expression](#)

```
first(fieldValue({Date and time of creation}, linkedIssues("has  
Epic")))
```

Display Format: [Edit Display Format](#)

Format: **Date Time Picker**

Example: 14/Feb/17 2:22 PM.

The math expression used in this example is: `first(fieldValue({00009}, linkedIssues("has Epic")))` , where `{00009}` is code for numeric value of **Date and time of creation** field.