

# 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:

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

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### Configure Custom Field: Date-Time Creation of Epic ?

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.


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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

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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.