

Validate a custom field "Story Points" has been given a value in Fibonacci sequence

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Features used to implement the example

- [Boolean validator with math, date-time or text-string terms](#)

Example: Validate a custom field "Story Points" has been given a value in Fibonacci sequence

We are looking for a functionality that story point fields, which we request users to enter only 1, 2, 3, 5, 8, 13, 21, 34 and 55 as story points. We need to enforce users to enter only these listed values, can we enforce this validation in workflows? When the user enter other than the previous listed values, validation needs to happen and the workflow transition should not be changed, then it needs to throw an error saying : The provided values are not supported.

You can do it easily using [Boolean validator with math, date-time or text-string terms](#) with the following configuration:

Boolean expression to be evaluated: [Syntax Specification](#)

```
1 {13700} in [1, 2, 3, 5, 8, 13, 21, 34, 55]
```

Logical connectives: **or**, **and** and **not**. Alternatively you can also use **|**, **&** and **!**.
Comparison operators: =, !=, >, >=, < and <=. Operators ~, !~, **in**, **not in**, **any in** and **none in** can be used with **strings**, **multi-valued fields** and **lists**.
Logical literals: **true** and **false**. Literal **null** is used with "=" and "!=" to check whether a field is initialized, e.g. `{00012} != null` checks whether **Due Date** is initialized.

NUMERICAL AND DATE-TIME TERMS
Numeric and Date-Time field values: insert field codes with format `{nnnnn}`.

Story Points - [Number Field] - {13700}

Valid date-time literal formats: `yyyy/MM/dd [hh:mm]` or `yyyy-MM-dd [hh:mm]`. Time literals use format: `hh:mm`.
There is a set of [mathematical functions](#) and [time macros and functions](#) available to be used in your expression.

TEXT-STRING TERMS
Text-String field values: insert field codes with format `%{nnnnn}` or `%{nnnnn.i}` for referencing levels in cascading select fields (*i* = 0 for base level).

Summary - [Text] - %{00000}

String literals: written in **double quotes**, e.g., `"This is a string literal."`
String concatenation: use operator '+' to concatenate string values, e.g., `"The summary of issue with key " + %{00015} + " is \"" + %{00000} + "\"."`
Escape character: character '\ ' is used with characters '"', '\', '\n', '\r', '\t', '\f' and '\b' to invoke an alternative interpretation.
There is a set of [string functions](#) available to be used in your expression.

Message to show when validation fails: Value entered for field "Story Points" is not supported. Supported values are 1, 2, 3, 5, 8, 13, 21, 34 and 55.

Boolean expression used is: `{13700} in [1, 2, 3, 5, 8, 13, 21, 34, 55]`

Note that:

- **{13700}** is code for numeric value of custom field **"Story Points"**. This code depends on each particular Jira instance
- Beware not to confuse with **%{13700}**, which is field code that returns a **string** value instead of a numeric value

Once configured, your transition will look like this:

Triggers 0	Conditions 0	Validators 1	Post Functions 6
The transition requires the following criteria to be valid Add validator			
Only if the following boolean expression is true: {Story Points} in [1, 2, 3, 5, 8, 13, 21, 34, 55]			
Message to show when validation fails: "Value entered for field "Story Points" is not supported. Supported values are 1, 2, 3, 5, 8, 13, 21, 34 and 55."			

Other examples of that function

Page: [Block a transition until all sub-tasks have certain fields populated](#)
Page: [Block an epic's transition depending on linked issues status and due date](#)
Page: [Block or hide a transition for an issue depending on its issue links](#)
Page: [Block or unblock a transition after an issue rested a specific time in a status](#)
Page: [Block transition until all sub-tasks are in a specific status category](#)
Page: [Close parent issue when all sub-tasks are closed](#)
Page: [Enforce a field \(Select List\) to be set when another field \(Radio Button\) has a certain value \(works with any kind of field type\)](#)
Page: [Ensure that all issues linked with a certain issue link type have "Due Date" field set](#)
Page: [If field A is populated then, field B must also be populated](#)
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Page: [Make attachment mandatory depending on the value of certain custom field](#)
Page: [Make different fields mandatory depending on the value of a Select List custom field](#)
Page: [Make linked issues, sub-tasks and JQL selected issues progress through its workflows](#)
Page: [Make parent issue progress through its workflow](#)
Page: [Prevent issue creation if another issue with same field value already exists](#)
Page: [Reject duplicated file names in attachments](#)
Page: [Require at least one sub-task in status "Resolved" or "Closed" when "Testing required" is selected in Check-Box custom field](#)
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Page: [Restrict parent issue from closing if it has sub-tasks that were created during a given parent issue status](#)
Page: [Restrict sub-task type creation depending on parent issue status](#)
Page: [Restrict sub-task type creation depending on parent issue type](#)
Page: [Set a condition in a global transition which only applies in a certain status](#)
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Page: [Validate compatible values selection among dependent custom fields](#)
Page: [Validate only issue links created in transition screen](#)
Page: [Validate that multi-user picker custom field A does not contain any user in multi-user picker custom field B](#)
Page: [Validation and condition based on time expressions](#)

Related Usage Examples

- Validation on the value of a Cascading Select field
 - example
 - validator
 - custom-field
- Make different fields mandatory depending on the value of a Select List custom field
 - example
 - validator
 - custom-field
- Validate compatible values selection among dependent custom fields
 - example
 - validator
 - custom-field
- Make a custom field mandatory when priority is "Critical" or "Blocker" and issue type is "Incident"
 - example
 - validator
 - custom-field
- Validate a custom field "Story Points" has been given a value in Fibonacci sequence
 - example
 - validator
 - custom-field
- Validate that multi-user picker custom field A does not contain any user in multi-user picker custom field B
 - example
 - validator
 - custom-field
- Make attachment mandatory depending on the value of certain custom field
 - example
 - validator
 - custom-field
- Enforce a field (Select List) to be set when another field (Radio Button) has a certain value (works with any kind of field type)
 - example
 - validator
 - custom-field
- Create a dynamic set of sub-tasks based on checkbox selection with unique summaries
 - example
 - post-function
 - custom-field
 - sub-task
- Total of all story points in an epic
 - example

Page: [Validation based on the value of a date type project property](#)

Page: [Validation on issue attachments](#)

Page: [Validation on MIME types of issue attachments](#)

Page: [Validation on sibling sub-tasks depending on issue type and status](#)

Page: [Validation on the value of a Cascading Select field](#)

- custom-field
 - calculated-field
- [Show timeliness of an issue based on two date pickers](#)
 - example
 - custom-field
 - calculated-field
- [Add and remove a single or a set of items from multi valued fields](#)
 - example
 - post-function
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 - issue-links
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- [Highest value of a custom field among linked issues](#)
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- [Google Maps location from address](#)
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- [Make certain custom field required in resolve screen only if the resolution was set to "Fixed"](#)
 - example
 - validator
 - custom-field