

# Add watcher depending on security level

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## Features used to implement the example

- [Set a field as a function of other fields](#)
- Virtual field "**New watchers**": writing into this field a comma separated list of **user names**, **group names** or **project roles names**, will add new watchers to the issue.
- Virtual field "**Security level**": used to check the current **Security level** of current issue.

## Example: Add watcher depending on security level

We want to add one or more watchers to current issue depending on its **Security Level**.

Let's suppose we have want to implement the following behavior:

- If security level is "**Internal**" then add user "**konrad.zuse**" as watcher.
- If security level is "**Executive**" then add users "**ada.lovelace**" and "**charles.babbage**" as watchers.
- If security level is "**Manager**" then add user "**john.neumann**" as watcher.
- If security level is "**Classified**" then add user "**alan.turing**", and all users in project role "**Classified Observers**" as watchers.

We will add post-function [Set a field as a function of other fields](#) to transition "**Create Issue**" with the following configuration:

<b>Field to be checked for matching with type 1 setting rules:</b>	Security level - [Security level]	
This field is only used by rules where conditional part is a regular expression written in brackets: <code>"(regular_expression)"value</code>		
<b>Target field to be set:</b>	New watchers - [Multi-user]	
Field to be set by first matched setting rule. Type of the field is shown in square brackets. Check <a href="#">documentation on Virtual Fields</a> to get information about suitable values for setting selected target field.		
<input type="checkbox"/> Don't overwrite target field if it's already set.		
<b>Setting rules:</b> There are two types of setting rules, and both types can be combined in the same post-function. <b>Rule formats:</b> - type 1: <code>"(regular_expression)"value</code> - type 2: <code>"(boolean_expression)"value</code> <b>Write only one rule per line.</b>  <i>value</i> may be a parsed text or a mathematical or time formula, depending on the type of selected <i>Target field</i> . <a href="#">Regular expression syntax</a>	<pre>1 (Internal)konrad.zuse 2 (Executive)ada.lovelace 3 (Manager)john.neumann 4 (Classified)alan.turing, Classified Observers</pre>	
<input type="checkbox"/> <b>Evaluate all the setting rules</b> , not stopping at first match. Only for <b>multi-valued</b> and <b>ephemeral target</b> fields.		
[ Line 4 / Col 47 ] <a href="#">Check Syntax</a>		

Setting rules used in this example are:

```
(Internal)konrad.zuse
(Executive)ada.lovelace
(Manager)john.neumann
(Classified)alan.turing, Classified Observers
```

Once configured, transition "**Create Issue**" will look like this:

Create Issue

OPEN

This is the **initial** transition in the workflow.

**Screen:** None - initial transition does not have a view.

Validators 3

Post Functions 3

The following will be processed after the transition occurs

Add post function

1. Creates the issue originally.

2. The field **New watchers** will be set according to the evaluation of **Security level** against the following set of rules:  
(Internal) konrad.zuse  
(Executive) ada.lovelace  
(Manager) john.neumann  
(Classified) alan.turing, Classified Observers  
This feature will be run as user in field **Current user**.

3. Fire a **Issue Created** event that can be processed by the listeners.

## Other examples of that function

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