

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:

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

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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