Limit valid dates for work logs

On this page

Features used to implement the example

- **Boolean validator with math, date-time or text-string terms**

Example: Limit past dates for current work logs

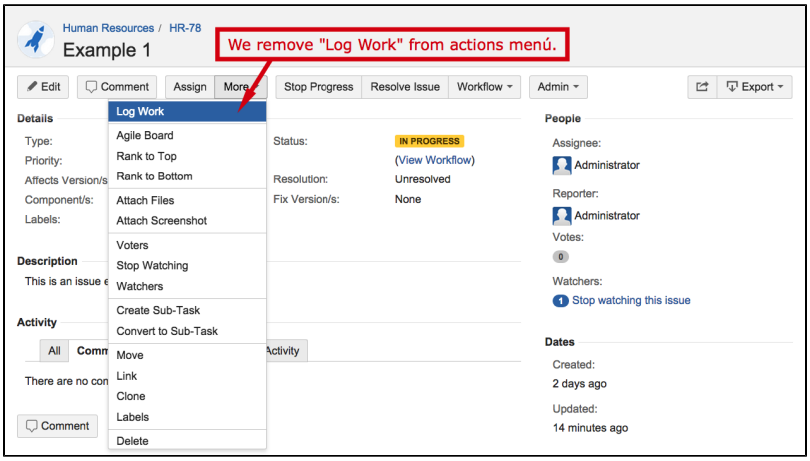
We will explain how to implement a validation for preventing work logs with a beginning date before a time limit in the past.

In particular, we will explain how to **avoid work logs where the associated date is earlier than 10 days in the past**, i.e. If we are on march 25th, today we only allow work logs with march 15th or later as a beginning date.

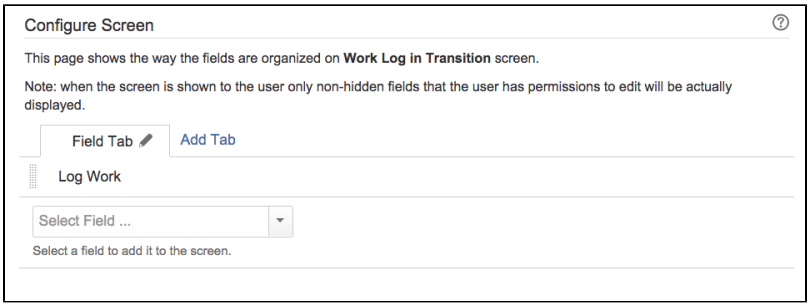
Enforce work logs through transitions

First we need to enforce users to log all the work using transitions in our workflows, instead of using "**Log Work**" operation at the issue screen. To do it we will:

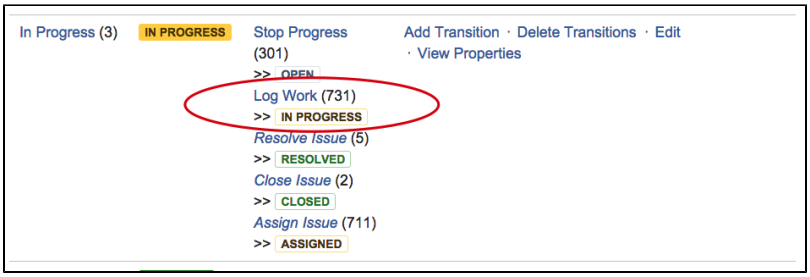
1. **Remove "Log Work" option from operation menu**: `Administration > Add-ons > Manage add-ons > Filter by "System" > Issue Operations Plugin > Disable module "View Issue Ops Bar Work Link"`



2. **Create a screen with only one field**: "**Log Work**". You can call it "**Work Log in Transition**".



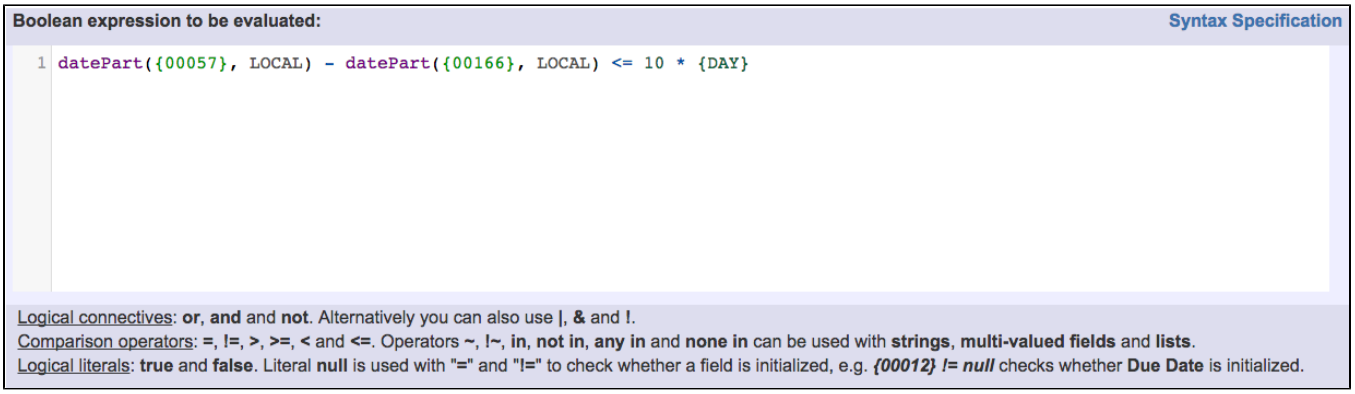
3. **Add reflexive transitions** called "**Log Work**" in the statuses of our workflow where we want users to be allowed to log work, and we associate them the screen "**Work Log in Transition**", created in the previous step. These transitions have the **same status as origin and destination**, leaving the issue in the same status, but showing the user a screen where they will be able to log work.



Typically you will add this transition to "**In Progress**" status, but you can add this transition to all statuses easily using a global reflexive transition.

You can use conditions or validations to limit who can execute these transition, and thus who can log work.

Now we only need to insert **Boolean Validator with math, date-time or text-string terms** in "**Log Work**" transitions using the following configuration:

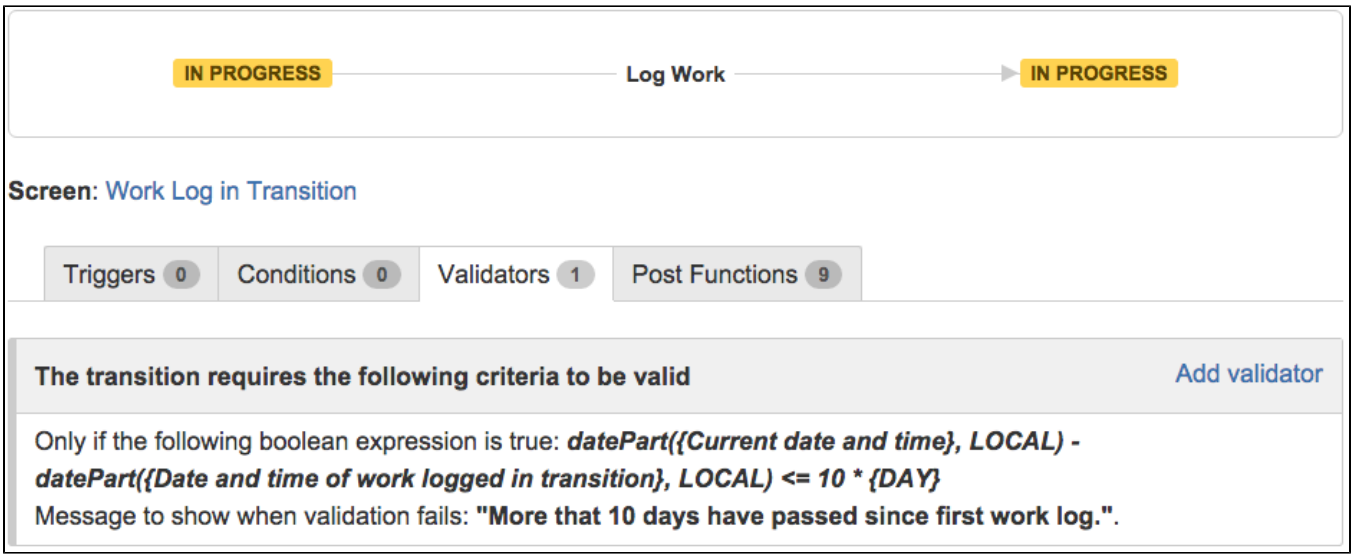


Boolean expression used is: **`datePart({00057}, LOCAL) - datePart({00166}, LOCAL) <= 10 * {DAY}`**

Note that:

- **{00057}** is code for numeric value of virtual field "**Current date and time**"
- **{00166}** is code for numeric value of virtual field "**Date and time of work logged in transition**"

Once all the post-functions have been inserted, transition "**Log Work**" will look like this:



Other variation of the usage example

If you want to **limit valid work logs to dates within current week** you should use any of the following validations:

Weeks begin on Sundays

```
dayOfTheWeek({00057}, LOCAL) <= (datePart({00166}, LOCAL) - datePart({00057}, LOCAL)) / {DAY} AND (datePart
({00166}, LOCAL) - datePart({00057}, LOCAL)) / {DAY} <= 7 - dayOfTheWeek({00057}, LOCAL)
```

Weeks begin on Mondays

```
dayOfTheWeek({00057}, LOCAL) != {SUNDAY} ? (2 - dayOfTheWeek({00057}, LOCAL) <= (datePart({00166}, LOCAL) -
datePart({00057}, LOCAL)) / {DAY} AND (datePart({00166}, LOCAL) - datePart({00057}, LOCAL)) / {DAY} <= 8 -
dayOfTheWeek({00057}, LOCAL)) : (-6 <= (datePart({00166}, LOCAL) - datePart({00057}, LOCAL)) / {DAY} AND
(datePart({00166}, LOCAL) - datePart({00057}, LOCAL)) / {DAY} <= 0)
```

Other examples of that function

Page: Block a transition until all sub-tasks have certains 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
Page: Limit issue creation per role and issue type
Page: Limit the number of hours a user can log per day
Page: Limit valid dates for work logs
Page: Make "Time Spent" field required when there is no time logged in the issue
Page: Make a custom field mandatory when priority is "Critical" or "Blocker" and issue type is "Incident"
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

Related Usage Examples

- Limit the number of hours a user can log per day
  - example
  - validator
  - post-function
  - work-log
- Make "Time Spent" field required when there is no time logged in the issue
  - example
  - validator
  - work-log
- Limit valid dates for work logs
  - example
  - validator
  - work-log
- Log absence time on another issue
  - example
  - post-function
  - work-log
- Set "Total time spent" to "Current date and time - date and time of last update"
  - example
  - post-function
  - work-log
- Sum "Time Spent" in all sub-tasks of issues linked with issue link types "LinkA", "LinkB", "LinkC"
  - example
  - post-function
  - issue-links
  - sub-task
  - work-log

Page: Require at least one sub-task in status "Resolved" or "Closed" when "Testing required" is selected in Check-Box custom field
Page: Require issue link when resolving as duplicate
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
Page: Validate a custom field "Story Points" has been given a value in Fibonacci sequence
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
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

- Automatic work log with start and stop work transitions
  - example
  - post-function
  - work-log
- Automatically log work time when the user uses a "Stop Progress" transition
  - example
  - post-function
  - custom-field
  - work-log
- Sum sub-task's "Time Spent" (work logs) and add it to a certain linked issue
  - example
  - post-function
  - issue-links
  - sub-task
  - work-log