

# Redmine - Feature #8313

## Restrict Assignee List by Role

2011-05-06 18:22 - Andrew Parnell

<b>Status:</b> New	<b>Start date:</b> 2011-05-06
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b>	<b>% Done:</b> 0%
<b>Category:</b> Issues workflow	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b>	
<b>Resolution:</b>	
<b>Description</b>	
<p>Currently the assignee list shows every member of a project. This means that anyone in the project can assign a ticket to anyone else in the project. It would be great if there was a way to restrict the possible assignees depending on your role and the roles of the possible assignees.</p> <p>For example: We have Managers, Developers, and Reports working together on a project. The Managers should be able to assign tickets to anyone of all three roles. The Developers should be able to assign tickets to Managers or other Developers. The Reporters should only be able to assign tickets to Managers.</p> <p>The primary function of this will be so that those project members who are of the Reporter role are not able to open a ticket and assign it straight to a developer.</p>	
<b>Related issues:</b>	
Related to Redmine - Feature # 8050: Mightful workflow field enhancement: vi...	<b>Closed</b> <b>2011-04-03</b>
Related to Redmine - Feature # 12005: Mightful workflow field enhancement: hide	<b>New</b>
Related to Redmine - Feature # 2937: Filter assignable users based on workflow	<b>New</b> <b>2009-03-09</b>
Related to Redmine - Patch # 212: Assign To limited by workflow	<b>New</b>

### History

#### #1 - 2011-05-07 16:25 - Terence Mill

This is a subset of the featured i proposed here: "Mightful workflow field enhancement: visible, read only and mandatory" #8050

#### #2 - 2011-05-07 16:29 - Terence Mill

I fact your proposal makes filter on value of field based on user's role not only the complete field visibility (visble, redonly, mandatory) as described in #8050. So your feature request is an ehancement of #8050 - shal be set related each other.

#### #3 - 2013-01-12 18:14 - Daniel Felix

I set the relations to #8050 and #12005 (which follows #8050).

This would be a nice idea. But I think this could be really complicated to manage, or?

What do you thing about role restriction?

A user just can reassign a ticket to another user, which holds a role he's allowed to use.

Example:

User A is in role developer. Role developer only allows to assign tickets to reporters and to other users with the role developers.

User B is in role senior developer. He is allowed to assign tickets to users, developers, senior developers and managers.

What do you think about this proposal?

**#4 - 2013-01-19 14:04 - Ramesh S**

*What do you think about role restriction?*

*A user just can reassign a ticket to another user, which holds a role he's allowed to use.*

+1

I think this is a great idea, and it will help restrict who can assign an issue to who, based on the roles. And in the use case where we are trying to setup one redmine project per customer with 'customer', 'manager' and 'developer' all having access to this redmine project, a feature like this will help in restricting who can assign issue to who as it is very important as we don't want customer to directly assign issue to developer.

I can help test this feature if a patch is available.

**#5 - 2013-12-17 11:06 - Rupesh Helwade**

+1

**#6 - 2014-01-23 18:31 - Daniele Pedroni**

I agree, it would be quite necessary at least to limit the assignee list to some roles (and by project).

Then, the capability to allow/deny issue assignment based on roles could be a good enhancement, but a bit less important, IMHO.

This would speedup the search: large teams will lead to impressive lists of possible assignees, not that comfortable to manage...

**#7 - 2014-01-24 08:49 - Jethro Yu**

+1. In our process RD (role) can only assign a changing-to-verification issue to QA (role), but some RD will assign verification to PM (role), which is not expected.

**#8 - 2014-05-23 22:33 - Thomas Tingey**

+1 This would be super useful. We want to be able for our sales team to only assign tickets to managers who then can assign them to developers.

**#9 - 2015-02-12 06:05 - Paul Chu**

+1.

Any update?

This feature seems related to #2937 (Filter assignable users based on workflow)

It would be very helpful if the assignee list is changed corresponding to issue status.

We are waiting for such feature implemented.

**#10 - 2015-03-13 05:52 - Toshi MARUYAMA**

- Related to Feature #2937: Filter assignable users based on workflow added

**#11 - 2016-03-31 02:04 - Luis Roa**

Hi. I created a new plugin to filter assignable users based on workflow.

[https://github.com/luisr9/redmine\\_filter\\_assignable](https://github.com/luisr9/redmine_filter_assignable)

I'm newbie in ruby, but I believe and I hope this work for you too, sorry for my english.

**#12 - 2016-05-16 17:48 - Beslan CELIKCAN**

Hi Luis,

How can i use this plugin. Redmine says installed but nothing changed in workflow page.

**#13 - 2016-05-16 18:57 - Luis Roa**

Hi, Beslan CELIKCAN.

You can find change in edit issue page, when you select a assignable user, you don't see all user list, you only see the users who can change the next status.

For example:

Your project has these roles: "client", "manager" and "programmers" and your workflow is:

Client creates issues with new status.

Manager can change status from new to assigned.

Programmers can change from assigned to resolved.

Client can change status from resolved to closed.

When manager changes status to "assigned", in the dropdownlist assignee\_to only members with programmers role are available, because in your workflow only programmers can change from "assigned" status to other status.

I hope you understand, sorry for my terrible english. :|

**#14 - 2016-05-22 10:57 - Beslan CELIKCAN**

Thanks Luis. I,ll try.

Luis Roa wrote:

*Hi, Beslan CELIKCAN.*

*You can find change in edit issue page, when you select a assignable user, you don't see all user list, you only see the users who can change the next status.*

*For example:*

*Your project has these roles: "client", "manager" and "programmers" and your workflow is:*

*Client creates issues with new status.*

*Manager can change status from new to assigned.*

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*Programmers can change from assigned to resolved.*

*Client can change status from resolved to closed.*

*When manager changes status to "assigned", in the dropdownlist assignee\_to only members with programmers role are available, because in your workflow only programmers can change from "assigned" status to other status.*

*I hope you understand, sorry for my terrible english. :|*

**#15 - 2016-05-22 19:50 - prathamesh r**

Thanks Luis, I tried the plugin & found to be working with the latest Redmine installation (Bitnami).

I also want to try few things like restrict individual users from assignee & keep only the groups in assign user etc.

I am very new to redmine & ruby both. I dont want to go into very details but want to write the codes you have written. Can you please let me know reference you have taken using which you have written this code. currently i am not getting the reference material from net using which i can write such code.

Please confirm is the following code only is filtering the assignees ? or there is more code in the plugin you have provided.

```
require_dependency 'issue'

class Issue

  def assignable_users_with_filter_assignable
    users = project.assignable_users.where("role_id IN (?)",
      WorkflowTransition.where(:tracker_id => tracker_id, :old_status_id => status_id).select(:role_id).distinct.map { |e| e.role_id }
    ).to_a
    users << author if author && author.active?
    users << assigned_to if assigned_to
    users.uniq.sort
  end

  alias_method_chain :assignable_users, :filter_assignable
end
```

**#16 - 2016-05-23 18:40 - Luis Roa**

Hello prathamesh r,

Exactly, these code does the work.

I was searching the text "assign" in redmine's source code, and I found this method, this patch #212 was helpful for write the plugin too.

I think that is possible keep only the groups in assign user, I want to modify the plugin for to choose what type of user. "users", "groups", "both", I will research how complete this task.

workaround:

```
def assignable_users_with_filter_assignable
  types = ['Group']
  users = project.assignable_users.where(:type=>types).where("role_id IN (?)",
  WorkflowTransition.where(:tracker_id => tracker_id, :old_status_id => status_id).select(:role_id).distinct.map { |e| e.role_id }
  ).to_a
  users << author if author && author.active?
  users << assigned_to if assigned_to
  users.uniq.sort
end
```

#### #17 - 2016-05-24 21:17 - prathamesh r

Thanks Luis, it worked as expected :). Thanks for support.

I was searching the type of user part like is it "users", "groups", "both", however i was not able to get these details.

Is going through existing redmine source code is only solution for creation of plugins ? there is nothing like documentation where it is mentioned that type of users are of 3 category etc...

#### #18 - 2016-05-24 23:30 - Luis Roa

Hi guys, Lo prometido es deuda

I modified the plugin, now you can choose kind of users to show in assign.

In plugin's settings you can find 3 options: show users, show groups and show author.

If you can't see the group, you could enable "Allow issue assignment to groups" in Issue tracking tab of application's settings.

P.d: Prathamesh, you can uncheck "show users" and "show author" and this plugin works for you.

url plugin: [https://github.com/luisr9/redmine\\_filter\\_assignable](https://github.com/luisr9/redmine_filter_assignable)

#### #19 - 2016-06-14 06:44 - Toshi MARUYAMA

- Related to Patch #212: Assign To limited by workflow added

#### #20 - 2016-09-15 21:54 - ale dp

Luis Roa wrote:

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Hello Luis , works for any version of Redmine ? I use version 2.5. Thanks

**#21 - 2016-09-20 01:09 - Luis Roa**

ale dp wrote:

*Luis Roa wrote:*

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url plugin: [https://github.com/luisr9/redmine\\_filter\\_assignable](https://github.com/luisr9/redmine_filter_assignable)

*Hello Luis , works for any version of Redmine ? I use version 2.5. Thanks*

Hi Alejandra, I use version 3.1.2 and plugin works fine.

I think that this plugin would work on any version that have a "assignable\_users" action in IssueController.

If you try the plugin and doesn't work, We could work together for find a solution, you can write a email to [luis.roa9@gmail.com](mailto:luis.roa9@gmail.com)

Sorry for my bad english, I think that you speak spanish like me.

**#22 - 2017-04-05 12:40 - Geowolf Yeh**

Luis Roa wrote:

*For example:*

*Your project has these roles: "client", "manager" and "programmers" and your workflow is:*

*Client creates issues with new status.*

*Manager can change status from new to assigned.*

*Programmers can change from assigned to resolved.*

*Client can change status from resolved to closed.*

*When manager changes status to "assigned", in the dropdownlist assignee\_ to only members with programmers role are available, because in your workflow only programmers can change from "assigned" status to other status.*

*I hope you understand, sorry for my terrible english. :|*

Hi, Luis:

Firstly, in order to filter assignee list with roles, I almost find all of Plugin Directory and yours are the more practical to use.

But my organization roles are more complex than these example.

For example:

We have the same roles with you.

Usually, my role often different with next progress role in the Workflow.

But some of our members can own the two roles at least.

If I'm "CLIENT", and both play the role of "PROGRAMMERS", I can assign to "CLIENT" and "PROGRAMMERS" in the assignee\_to list.

My solution is add filter that the same role with issue editor can not appear in the assignee\_to list.

So I try to add condition

```
where.not(:role_id => roles.map(&.id))
```

into IssueController\_patch.rb below:

```
users = project.assignable_users.where(:type => types).where.not(:role_id => roles.map(&.id)).where("role_id IN (?)",  
WorkflowTransition.where(:tracker_id => tracker_id, :old_status_id => status_id).select(:role_id).distinct.map { |e| e.role_id }  
)
```

But after migrate and restart Redmine, it doesn't work.

So how can I add the condition of filter the same role with issue editor in the assignee\_to list?

I'm not first language in Eng. and hope you can recognize my terrible writing, too. HA!HA!:)

**#23 - 2017-04-05 17:10 - Luis Roa**

Hi Geowolf Yeh,

If I understood your problem, you want to hide the assignable users that share the same role of the current user.

Can you tell me if it is?

replace this:

```
users = project.assignable_users.where(:type => types).where.not(:role_id => roles.map(&.id)).where("role_id IN (?)",  
WorkflowTransition.where(:tracker_id => tracker_id, :old_status_id => status_id).select(:role_id).distinct.map { |e| e.role_id }  
)
```

for this:

```
users = project.assignable_users.where(:type => types)  
.where("role_id NOT IN (?)", User.current.roles_for_project(project).select(:role_id).distinct.map { |e| e.role_id })  
.where("role_id IN (?)",  
WorkflowTransition.where(:tracker_id => tracker_id, :old_status_id => status_id).select(:role_id).distinct.map { |e| e.role_id }  
)
```