

## Redmine - Feature #4939

### List of tasks filtered as OR and not AND

2010-02-26 13:03 - Alain V.

<b>Status:</b> New	<b>Start date:</b> 2010-02-26
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b>	<b>% Done:</b> 0%
<b>Category:</b> Issues filter	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b>	
<b>Resolution:</b>	
<b>Description</b>	
Hello	
Up to now in the list of task you can filter upon some values but the list of filters are List of tasks that has filter1=value1 AND filter2=value2 AND filter3=value3	
I think it could be interesting to have the possibility of List of tasks that has filter1=value1 OR filter2=value2 OR filter3=value3	
Do you think it is possible? thank you	
<b>Related issues:</b>	
Related to Redmine - Feature # 10999: Ticket list filter: More flexible filte...	<b>New</b>
Duplicated by Redmine - Feature # 7641: Issue filter with OR semantic additio...	<b>Closed</b> 2011-02-17
Duplicated by Redmine - Feature # 12970: Implement the "OR" operator in queries	<b>Closed</b>
Duplicated by Redmine - Feature # 6332: "OR" filter and not only "AND" filter	<b>Closed</b> 2010-09-08
Duplicated by Redmine - Feature # 10421: Filter with OR conditions	<b>Closed</b>
Duplicated by Redmine - Feature # 21532: Adding OR and XOR request to REST AP...	<b>Closed</b>
Duplicated by Redmine - Feature # 23211: Issue filter menu should have differ...	<b>Closed</b>
Duplicated by Redmine - Feature # 23216: Issues List, Enhanced Filtering - Al...	<b>Closed</b>

### History

#### #1 - 2010-02-26 17:16 - Jean-Philippe Lang

- Category set to Issues

#### #2 - 2010-04-06 01:40 - Andrew Sherman

+1. This would be useful for some filters I have tried to make as well.

#### #3 - 2010-04-14 00:11 - Jeremy Walker

+1 I would *love* it if Redmine had this functionality. Perhaps the easiest/most powerful way to implement this would be to make a way for users to create filters out of combinations of other filters. In other words, if I could define filters A, B, and C, and then say something like "Give me all the issues that are in A OR B, but not in C", I could get any issue list I could ever want. And that would be awesome.

#### #4 - 2010-04-14 00:12 - Jeremy Walker

Jeremy Walker wrote:

+1 I would love it if Redmine had this functionality. Perhaps the easiest/most powerful way to implement this would be to make a way for users to create filter sets out of combinations of other filter sets. In other words, if I could define filter sets A, B, and C, and then say something like "Give me all the issues that are in A OR B, but not in C", I could get any issue list I could ever want. And that would be awesome.

**#5 - 2010-08-19 16:22 - Alain V.**

Any progress on this subject guys? ;o)

**#6 - 2011-02-18 11:20 - Matthias Neubert**

+1

That's nearly what I ment with #7641, but I'd like to combine AND and OR freely.

e.g. A AND B OR C AND D

should list all issues which fullfill both, A and B

plus the issue which fillfill both, C and D

Basically it should be read like disjunctive normal form

**#7 - 2011-02-18 11:24 - Matthias Neubert**

also this could be interesting when one wants to list all issues assigned to me, and also all which aren't assigned yet.

for this feature a filtercriteria must be usable more than one time

or other solution: the list of possible assignees contains a special element "Not assigned" at the top of the list, so one can select (by multiple selection) me and "Not assigned"

**#8 - 2013-01-28 10:41 - Gurvan Le Dromaguet**

It looks like it is implemented in "Trac": <http://trac.edgewall.org/query>, see the "OR" at the bottom right of the filters box

**#9 - 2013-04-24 11:02 - Francesco V**

Gurvan Le Dromaguet wrote:

*It looks like it is implemented in "Trac": <http://trac.edgewall.org/query>, see the "OR" at the bottom right of the filters box*

I like it

**#10 - 2013-05-15 13:53 - Daniel Felix**

Yes this would be a good improvement. It won't be easy but a really cool addition to the current filter-system.

**#11 - 2013-05-24 23:53 - Christian Baus**

+1

any workaround here? we need a filter like "is autor or observer"

**#12 - 2013-08-20 17:14 - Dani Leni**

+1

Need Assignee or Watcher.

**#13 - 2013-08-28 19:58 - Jean Carlos Gonçalves**

+1

**#14 - 2013-09-19 11:46 - Quan VN**

- *File Redmine using OR.zip added*

Here is my quick and dirty solution. I am not a RoR developer and this is my very first attempt so that I can use Redmine for my job.

I hope that someone can make this into a full plugin. If you have any idea or find problem, please let me know. I will see if I can do anything. Thanks

**#15 - 2013-09-19 11:53 - Christian Baus**

Thanks for your patch! i look forward to implement that in our redmine!!

**#16 - 2013-12-13 11:59 - Zbynek Drlik**

+1

**#17 - 2014-03-17 13:47 - Lu Su**

+1

**#18 - 2014-04-01 13:55 - Antoine Pichon**

+1 (thanks for your excellent work)

**#19 - 2014-04-24 10:49 - Toshi MARUYAMA**

- *Related to Feature #10421: Filter with OR conditions added*

**#20 - 2014-06-18 15:14 - Toshi MARUYAMA**

- Related to deleted (Feature #10421: Filter with OR conditions)

**#21 - 2014-06-18 15:14 - Toshi MARUYAMA**

- Duplicated by Feature #10421: Filter with OR conditions added

**#22 - 2014-06-26 21:20 - James H**

+1

**#23 - 2014-12-19 14:58 - Sebastian Paluch**

Matthias Neubert wrote:

+1  
Thats nearly what I ment with #7641, but I'd like to combine AND and OR freely.  
  
e.g. A AND B OR C AND D  
  
should list all issues which fulfill both, A and B  
  
plus the issue which fulfill both, C and D  
  
Basically it should be read like disjunctive normal form

+1

so important feature and no progress for 5 years :(

**#24 - 2014-12-19 17:35 - Jan Niggemann (redmine.org team member)**

| so important feature and no progress for 5 years :(

We only have 2 programmers working in their spare time, plus contributions from a few other volunteers.

If you send patches that apply cleanly against current trunk (together with tests) we'd happily test and apply those.

**#25 - 2015-10-16 09:37 - Istvan Heckl**

+1

**#26 - 2015-10-18 05:17 - Quan VN**

I have made this patch into a plugins here (with some improvement). It works with redmine 2.6.x and 3.1.1 or less. Please use the plugin instead of this patch

<http://www.redmine.org/plugins/zquery>

**#27 - 2015-11-17 13:50 - Jānis Elmeris**

+1

**#28 - 2015-11-20 02:50 - Quan VN**

- *File \_query.zip added*

**#29 - 2016-01-12 01:29 - Toshi MARUYAMA**

- *Duplicated by Feature #21532: Adding OR and XOR request to REST API and issue filters added*

**#30 - 2016-06-14 20:08 - Fred B**

What is the difference between zquery and \_query?

Did someone tested one with Redmine 2.4?

**#31 - 2016-06-15 03:04 - Quan VN**

Fred B wrote:

| *What is the difference between zquery and \_query?*

| *Did someone tested one with Redmine 2.4?*

Dear Fred

1. They are the same but I renamed zquery to \_query so it is loaded first. \_query is now the "official" version :- ) (I have replace zquery attachment with \_query but the name is still in the link)

2. I think it should work with 2.3 upward since I developed it based on 2.3 version

Quan

**#32 - 2016-06-30 17:52 - Toshi MARUYAMA**

- *Duplicated by Feature #23211: Issue filter menu should have different logical operators like "AND", "OR", ... added*

**#33 - 2016-06-30 17:52 - Toshi MARUYAMA**

- *Category changed from Issues to Issues filter*

**#34 - 2016-07-01 03:12 - Toshi MARUYAMA**

- *Duplicated by Feature #23216: Issues List, Enhanced Filtering - Allowing Multiple Queries & "OR"-type constraints added*

**#35 - 2016-07-08 11:33 - JW Fuchs**

+1

**#36 - 2017-05-14 14:29 - Iwadara I**

+1

#37 - 2017-06-17 01:39 - Reto Stamm

+1

#38 - 2017-06-17 04:01 - Yuuki NARA

+1

#39 - 2017-07-24 10:04 - Santiago Torres

+1

#40 - 2017-10-26 02:18 - Shaun Gilroy

So is there any chance that the `_query` plugin getting updated to function with Redmine 3.4? I tried to figure out how to update it, but it's not clear to me what needs to be changed to make it compatible.

It gives me the following error in 3.4 as is:

Showing `/opt/redmine/app/views/queries/_filters.html.erb` where line #4 raised:

```
undefined method `remote' for #<Hash:0x007fe319fa1de8>
```

```
Extracted source (around line #464):
```

```
462
463
464
465
466
467
```

```
available_filters.each do |field, filter|
  options = {:type => filter[:type], :name => filter[:name]}
  options[:remote] = true if filter.remote

  if has_filter?(field) || !filter.remote
    options[:values] = filter.values
```

Trace of template inclusion: `app/views/queries/_query_form.html.erb`, `app/views/issues/index.html.erb`

Rails.root: `/Users/noysh/projects/farview/farview-devlink-3.4-stable`

Application Trace | Framework Trace | Full Trace

```
app/models/query.rb:464:in `block in available_filters_as_json'
app/models/query.rb:462:in `each'
app/models/query.rb:462:in `available_filters_as_json'
app/views/queries/_filters.html.erb:4:in `block in _app_views_queries__filters_html_erb__941875204378063440_70306769152520'
app/views/queries/_filters.html.erb:1:in `_app_views_queries__filters_html_erb__941875204378063440_70306769152520'
app/views/queries/_query_form.html.erb:10:in `_app_views_queries__query_form_html_erb__1924681068357817272_70306752298920'
app/views/issues/index.html.erb:11:in `block in _app_views_issues_index_html_erb__4300101081652184242_70306752230600'
app/views/issues/index.html.erb:10:in `_app_views_issues_index_html_erb__4300101081652184242_70306752230600'
app/controllers/issues_controller.rb:51:in `block (2 levels) in index'
```

app/controllers/issues\_controller.rb:46:in `index'

lib/redmine/sudo\_mode.rb:63:in `sudo\_mode'

Request

Parameters:

{"project\_id"=>"project\_name"}

Toggle session dump

Toggle env dump

Response

Headers:

None

#### #41 - 2017-10-27 04:19 - Quan VN

Shaun Gilroy wrote:

*So is there any chance that the `_query` plugin getting updated to function with Redmine 3.4? I tried to figure out how to update it, but it's not clear to me what needs to be changed to make it compatible.*

*It gives me the following error in 3.4 as is:*

*[...]*

Dear Shaun

I am sorry. This version of plugin is too old. I create a separate entry for this plugin and put the update here and it works with redmine 3.4

[https://www.redmine.org/plugins/boolean\\_query](https://www.redmine.org/plugins/boolean_query)

Unfortunately I cannot find way to delete this old attachment

Quan

#### #42 - 2017-10-27 04:21 - Quan VN

- File `_query.0.0.3.rm34.zip` added

For redmine 3.4, please use the version at

[https://www.redmine.org/plugins/boolean\\_query](https://www.redmine.org/plugins/boolean_query)

Or use new version attached here `_query.0.0.3.rm34.zip`

#### #43 - 2017-10-27 20:57 - Shaun Gilroy

Quan VN wrote:

*For redmine 3.4, please use the version at*

*[https://www.redmine.org/plugins/boolean\\_query](https://www.redmine.org/plugins/boolean_query)*

*Or use new version attached here `_query.0.0.3.rm34.zip`*

Excellent! Thank you!

**#44 - 2017-11-22 09:17 - Roman Yagodin**

+1

It could be great to allow filters with multiple conditions by same field (e.g. status is "open" AND status is not feedback) also.

**#45 - 2018-04-20 21:18 - name zero**

+1 :}

**#46 - 2018-04-23 11:56 - name zero**

Would it be possible to select the same field twice, so I can query "Due in the next 14 days or due date none" ?

Seems like the field is greyed out once it is selected.

**#47 - 2018-08-19 15:44 - mouson chen**

+1

**#48 - 2019-04-19 00:42 - Jérôme BATAILLE**

Hi, I have developed this feature in my company, I will try to bring it as a plugin.

**#49 - 2019-08-13 14:07 - Andreas Michel**

is there an plugin version for 4.0? On the plugin site itself it tells me an 404?

Both [https://www.redmine.org/plugins/boolean\\_query](https://www.redmine.org/plugins/boolean_query)  
and <https://www.redmine.org/plugins/query> deliver 404

**#50 - 2019-08-13 15:07 - Tobias Schmidt**

As far as I know there is no version for 4.0 available. But you could keep an eye on [mbideau/redmine\\_zquery](#). There even is an issue for [redmine 4.xx support](#).

Andreas Michel wrote:

| *is there an plugin version for 4.0?*

**#51 - 2019-09-25 09:50 - Emanuel Reisinger**

Tobias Schmidt wrote:



As far as I know there is no version for 4.0 available. But you could keep an eye on [mbideau/redmine\\_zquery](#). There even is an issue for [redmine 4.xx support](#).

Andreas Michel wrote:

is there an plugin version for 4.0?

But [mbideau/redmine\\_zquery](#) is an older version and does not support Redmine 3.4 as `_query` version 0.0.3 posted in #42 by Quan VN.

#### #52 - 2019-09-25 09:57 - Emanuel Reisinger

- File `_query.0.0.4.redmine4x.tar.gz` added

We are using OR filter in our work heavily and I have to upgrade our Ubuntu server and Redmine periodically.

With the last Ubuntu upgrade to 18.04 LTS Ruby 2.5 and Rails 5.2 was introduced. This versions are supported by Redmine 4.x only and I don't want maintain old versions of Ruby and Rails on our system.

So I have upgrade to Redmine 4.x.

I'm not a Ruby and Ruby on Rails developer but these are my first steps and with help of article

<https://www.justinweiss.com/articles/rails-5-module-number-prepend-and-the-end-of-alias-method-chain/> I could modify the plugin to work with Redmine 4.x because `alias_method_chain` and other methods has been removed with Rails 5.

I don't know how to integrate the new `Query.operators` *match* and *not match* in the new plugin implementation because there is no initializer/method for that.

So I removed these new operators because they are not required for the OR filters and are subjects for a separate plugin or patch to `Query.statement`. The latter is to prefer.

The second reason why I removed the new operators is that it's not clear where they come from.

Further I've changed the names of the or filters for a better understandability and moved the text into translation files and added german translations.

- Any follow (AND) -> AND any following
- Any follow (OR) -> OR any following
- All follow (OR) -> OR all following

You can easily change the names by updating `plugins/_query/config/locals/en.yml` or adding further translations if you desire.

So I offer a plugin update for Redmine 4, see `_query.0.0.4.redmine4x.tar.gz`. Tested on Ubuntu 18.04 with Redmine 4.0.4.

I don't think that the plugin works with Redmine 3.4 because of the modifications besides `alias_method_chain`. I haven't tested it with Redmine 3.4.

By the way the implementation is really a quick and dirty hack because it overwrites the `Query.statement` method. Any changes in the core `Query.statement` implementation won't be considered by this plugin unless an update is made.

I'll try to create a patch to Redmine core with functionality as this plugin provides, so that this plugin is not required any longer.

#### #53 - 2019-09-25 12:17 - giorgio rossi

Thanks for Your work.

Unfortunately the two methods `match` and `not match` introduce the logical operators inside the string fields. For example, if I want to search for a more then a string in a field in OR:

Description `match string1 ~ string2 ~ string3 ~ string4`

I obtain as result all issues that contain at least one of the four strings in field Description

**#54 - 2019-09-26 18:00 - Emanuel Reisinger**

giorgio rossi wrote:

*Thanks for Your work.*

*Unfortunately the two methods `match` and `not match` introduce the logical operators inside the string fields. For example, if I want to search for a more than a string in a field in OR:*

*Description match string1 ~ string2 ~ string3 ~ string4*

*I obtain as result all issues that contain at least one of the four strings in field Description*

I've read the readme and now understand what the operators *match* and *not match* do.

They have nothing to do with the or filters but are useful extensions for the queries. But I still don't know how to implement the new operators in the `_query` plugin. Sorry.

**#55 - 2019-09-26 19:01 - Emanuel Reisinger**

- File `_query.0.0.5.redmine4x.tar.gz` added

I've found a simple solution to get *match* operators implemented in `_query` plugin.

So container `_query.0.0.5.redmine4x.tar.gz` includes or filters and *match* operators that works with Redmine 4.x.

**#56 - 2019-10-07 18:08 - Emanuel Reisinger**

- File `issue4939_orfilter.patch` added

- File `issue4939_match_operators.patch` added

- File `README.txt` added

I've made patches to integrate the *or filters* and *match operators* into redmine core.

So the `_query` plugin is obsolete with this patches.

The provided patch files has to be applied in the correct order and are based on svn revision 18620. First, `issue4339_orfilter.patch` and then `issue4939_match_operators.patch`.

The usage of or-filter and match operators should be added to the Redmine wiki [<https://www.redmine.org/projects/redmine/wiki/RedmineIssueList>] because without an usage descriptions the full power of the match operators are unknown. Therefore I added the `README.txt` of `_query` plugin which describes it.

**#57 - 2019-10-15 17:15 - giorgio rossi**

Fantastic job!!

Thanks You

#58 - 2019-12-02 23:00 - Jochen Kuehner

Is anybody in contact with Jean-Philippe Lang so this has a change to get merged?

The filter options need to be much more powerful...

#59 - 2019-12-02 23:06 - Jérôme BATAILLE

Hi,

Can you put some screen captures to be able to see how it works and how it changes the native behavior ?

#60 - 2019-12-03 10:13 - Emanuel Reisinger

- File `screenshot_matchop_match-complex.jpg` added
- File `screenshot_matchop_match-simple.jpg` added
- File `screenshot_matchop_notmatch-simple.jpg` added
- File `screenshot_orfilter.jpg` added
- File `screenshot_matchop_all-issues.jpg` added

## All issues

---

All issues to compare the examples:  
`screenshot_matchop_all-issues.jpg`

## Or filter example

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One of the or filter (AND any following) in action. In the Add filter dropdown they are grouped in section *OR filters*. In the filter section Author and Assignee are added to the or filter *AND any following* (AND (Author OR Assignee)). The result shows the issues where Dave Lopper is either Assignee or Author.  
`screenshot_orfilter.jpg`

## Match operator examples

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**Please see README.txt that describes the usage of or filter and match operators.**

A simple example that uses the *match* filter:  
`screenshot_matchop_match-simple.jpg`

A simple example that uses the *not match* filter, the opposite of simple match filter example:  
`screenshot_matchop_notmatch-simple.jpg`

A more complex example that uses the *match* filter:  
`screenshot_matchop_match-complex.jpg`

I hope this screen captures helps.

#61 - 2019-12-03 10:53 - Jérôme BATAILLE

Thanks Emanuel

#62 - 2019-12-03 10:53 - Jérôme BATAILLE

+1

**#63 - 2019-12-27 07:51 - name zero**

I second that, JPL (or someone with equivalent competency) should review and merge.  
This is extremely useful!

**#64 - 2019-12-30 17:31 - Yuuki NARA**

Thanks for useful patch.  
<http://www.redmine.org/issues/4939#note-56>

I hope a lot of people have confirmed that this feature works and get it incorporated into RedmineCore as soon as possible.

However, the latest trunk rev19405 could not apply this patch.  
To make it easier to try, I created a branch on my repository and patched it.

<https://github.com/y503unavailable/redmine/tree/feature-patch4939>  
  
[https://github.com/redmine/redmine/compare/master...y503unavailable:feature-patch4939\\_patch](https://github.com/redmine/redmine/compare/master...y503unavailable:feature-patch4939_patch)

In this code, I checked the operation of the or-filter function.

I added a Japanese term file patch.  
But, created Tentatively.

**#65 - 2020-03-25 12:19 - Robert Röttger**

+1 for this feature

**#66 - 2020-04-08 07:34 - Martin Erler**

+1 for this feature (to create a simple filter: assignee OR watcher)

**#67 - 2020-08-25 07:46 - Pawel Orzechowski**

Yes, yes, yes +1 :- ) :-)

**#68 - 2020-09-03 09:03 - Johannes Heymann**

Being able to set the boolean operators would be very useful  
+1 for this feature

**Files**

Redmine using OR.zip	11.5 KB	2013-09-19	Quan VN
_query.zip	3.56 KB	2015-11-20	Quan VN
_query.0.0.3.rm34.zip	4.38 KB	2017-10-27	Quan VN
_query.0.0.4.redmine4x.tar.gz	3.17 KB	2019-09-25	Emanuel Reisinger
_query.0.0.5.redmine4x.tar.gz	3.75 KB	2019-09-26	Emanuel Reisinger

issue4939_orfilter.patch	9.64 KB	2019-10-07	Emanuel Reisinger
issue4939_match_operators.patch	6.21 KB	2019-10-07	Emanuel Reisinger
README.txt	2.72 KB	2019-10-07	Emanuel Reisinger
screencapture_matchop_match-complex.jpg	25.3 KB	2019-12-03	Emanuel Reisinger
screencapture_matchop_match-simple.jpg	33.1 KB	2019-12-03	Emanuel Reisinger
screencapture_matchop_notmatch-simple.jpg	31.9 KB	2019-12-03	Emanuel Reisinger
screencapture_orfilter.jpg	72.3 KB	2019-12-03	Emanuel Reisinger
screencapture_matchop_all-issues.jpg	55.5 KB	2019-12-03	Emanuel Reisinger