

## Foreman - Bug #29447

### Filter builds taxonomy search filter inefficiently

03/31/2020 02:55 PM - Adam Ruzicka

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b> Adam Ruzicka	
<b>Category:</b> Users, Roles and Permissions	
<b>Target version:</b>	
<b>Difficulty:</b>	<b>Fixed in Releases:</b> 2.1.0
<b>Triaged:</b> No	<b>Found in Releases:</b>
<b>Bugzilla link:</b>	<b>Red Hat JIRA:</b>
<b>Pull request:</b> <a href="https://github.com/foreman/foreman/pull/7553">https://github.com/foreman/foreman/pull/7553</a>	
<b>Description</b>	
<p>If a filter supports taxonomy filtering and the role has many taxonomies assigned then the resulting search query could look like</p> <pre>(organization_id = 1 OR organization_id = 2 OR organization_id = 3) AND (location_id = 1 or location_id = 2)</pre> <p>However scoped search support using the IN operator, so we could get a more compact query, something along the lines of</p> <pre>organization_id ^ (1,2,3) AND location_id ^ (1,2)</pre>	
<b>Related issues:</b>	
Related to foreman-tasks - Bug #30797: Postgres usage spikes and disk space c...	<b>Rejected</b>
Related to Foreman - Bug #30847: Filters needs to rebuild the taxonomy_search	<b>Closed</b>
Blocked by Foreman - Refactor #29532: Update scoped_search to 4.1.8	<b>Closed</b>

### Associated revisions

#### Revision 72209166 - 04/16/2020 11:52 AM - Adam Ruzicka

Fixes #29447 - Build more efficient taxonomy search for filters

If a filter supported taxonomy filtering and the role had many taxonomies assigned then the resulting search query consisted of many id comparisons joined together with ORs. This commit generates more efficient query by performing the search as id IN (...).

### History

#### #1 - 03/31/2020 03:04 PM - The Foreman Bot

- Status changed from New to Ready For Testing

- Pull request <https://github.com/foreman/foreman/pull/7553> added

#### #2 - 04/15/2020 10:37 AM - Anonymous

- Blocked by Refactor #29532: Update scoped\_search to 4.1.8 added

#### #3 - 04/16/2020 11:52 AM - The Foreman Bot

- Fixed in Releases 2.1.0 added

#### #4 - 04/16/2020 11:52 AM - Tomer Brisker

- Category set to Users, Roles and Permissions

#### #5 - 04/16/2020 12:01 PM - Adam Ruzicka

- Status changed from Ready For Testing to Closed

Applied in changeset [72209166fa58d3c5bc2b3629d98696edf7bd7250](#).

**#6 - 09/10/2020 03:56 PM - Ondřej Ezr**

- Related to Bug #30797: Postgres usage spikes and disk space completely filled up, when non-admin select Monitor -> Tasks added

**#7 - 09/15/2020 11:56 AM - Ondřej Ezr**

- Related to Bug #30847: Filters needs to rebuild the taxonomy\_search added