Foreman - Feature #20608
Gain speed with additional indices
08/15/2017 08:35 AM - Maximilian Mack

<table>
<thead>
<tr>
<th>Status</th>
<th>Closed</th>
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<tbody>
<tr>
<td>Priority</td>
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<tr>
<td>Assignee</td>
<td></td>
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<tr>
<td>Category</td>
<td>Database</td>
</tr>
<tr>
<td>Target version</td>
<td>1.16.0</td>
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<tr>
<td>Difficulty</td>
<td>trivial</td>
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<tr>
<td>Pull request</td>
<td><a href="https://github.com/theforeman/foreman/pull/4745">https://github.com/theforeman/foreman/pull/4745</a></td>
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</tbody>
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Triaged: Fixed in Releases: Found in Releases: Nightly

Description
Problem:
Some queries are using a full table scan. At 2100 queries/sec and 21 hours uptime this is the result:

```
query, exec_count, no_index_used_count
'SELECT `ssh_keys` . * FROM `ss ... RE `ssh_keys` . `user_id` = ? ', '1925175', '1925178'
'SELECT `config_groups` . * FROM `config_groups` . `name` = ? ', '428267', '428269'
'SELECT `smart_proxies` . * FROM `smart_proxies` . `name` = ? ', '365721', '365725'
'SELECT `taxonomies` . * FROM `taxonomies` . `title` ASC LIMIT ? ', '317024', '317024'
'SELECT `config_groups` . `id` FROM `config_groups` . `name` = ? ', '186254', '186254'
'SELECT `smart_proxies` . * FROM `smart_proxies` . `features` . `name` IN (...) ', '169015', '169015'
'SELECT `config_groups` . `id` FROM `features` . `name` IN (...) ', '169015', '169015'
'SELECT `architectures` . * FROM `architectures` . `id` ASC LIMIT ? ', '158512', '158511'
'SELECT `environments` . * FROM `environments` . `name` LIMIT ? ', '158418', '158418'
'SELECT `models` . * FROM `models` . `name` LIMIT ? ', '158418', '158418'
'SELECT `domains` . * FROM `domains` . `name` LIMIT ? ', '158417', '158418'
```

Steps to Reproduce:

```
select query, exec_count, no_index_used_count from sys.`statements_with_full_table_scans` ORDER BY no_index_used_count DESC LIMIT 10;
```

Expected result:
Use indices for querying

Associated revisions
Revision d102db23 - 08/16/2017 02:55 AM - Maximilian Mack
Fixes #20608 - Adding index for ssh_keys

Adds a index :user_id to ssh_keys

History
#1 - 08/15/2017 09:11 AM - The Foreman Bot
- Status changed from New to Ready For Testing
- Pull request https://github.com/theforeman/foreman/pull/4745 added

03/26/2022
#2 - 08/16/2017 02:56 AM - Timo Goebel
- Legacy Backlogs Release (now unused) set to 240

#3 - 08/16/2017 03:01 AM - Maximilian Mack
- Status changed from Ready For Testing to Closed
- % Done changed from 0 to 100

Applied in changeset d102db237fb4a94e4985274b65149f1aced7e78.