Add ability to expire facts based on fact name.

10/14/2015 10:09 AM - Ryan Sabatini

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
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<tbody>
<tr>
<td>Priority:</td>
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</tr>
<tr>
<td>Assignee:</td>
<td>Marek Hulán</td>
</tr>
<tr>
<td>Category:</td>
<td>Facts</td>
</tr>
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<td>Target version:</td>
<td>1.15.0</td>
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<tr>
<td>Pull request:</td>
<td><a href="https://github.com/theforeman/foreman/pull/4275">https://github.com/theforeman/foreman/pull/4275</a></td>
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<td>Triaged:</td>
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<td>Bugzilla link:</td>
<td>1422458</td>
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<td>Fixed in Releases:</td>
<td></td>
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<td>Found in Releases:</td>
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### Description
Currently there isn't a way to expire old facts that are no longer being collected from the database. This feature adds a rake task similar to reports:expire to delete facts based on the provided fact name.

### Related issues:
- Related to Foreman - Bug #16576: Structured facts importer is extremely slow
  - Closed
  - 09/15/2016
- Has duplicate Foreman - Feature #18479: Add a rake task to cleanup facts that...
  - Duplicate
  - 02/13/2017

### Associated revisions
Revision 89d84f63 - 03/09/2017 07:45 AM - Marek Hulán
Fixes #12163 - add a rake task to clean up orphaned facts

### History
#### #1 - 10/14/2015 10:12 AM - Ohad Levy
- Status changed from New to Need more information

once new facts comes in, old facts (e.g. facts that dont exists in the new facts set) gets deleted automatically.

#### #2 - 10/14/2015 01:49 PM - Ryan Sabatini
Ohad Levy wrote:

once new facts comes in, old facts (e.g. facts that dont exists in the new facts set) gets deleted automatically.

If I stop collecting a custom fact or rename the custom fact, does that fact automatically get deleted? The main reason I came up with the solution is that we were collecting some poorly built custom facts that resulted in ~174k fact_name entries and ~12 million fact values in the database. The sheer volume of the facts broke the javascript on the drop down box for "Trendable" when creating a new trend counter.

We have since stopped collecting the facts that were adding the extra entries that we weren't really using. I have come up with a coded solution similar to reports:expire that allows me to delete the fact name and values for the fact names that we are not longer collecting which allowed me to get the total values down far enough to use the trendable drop down box to create a new trend.
Ryan Sabatini wrote:

Ohad Levy wrote:

once new facts comes in, old facts (e.g. facts that dont exists in the new facts set) gets deleted automatically.

If I stop collecting a custom fact or rename the custom fact, does that fact automatically get deleted?

It should delete the fact values, but not the fact names. If there were many custom fact names added, as you suggest, then these don't get cleaned up during an import of facts for a host (assuming no other host has a value for it).

I'm changing the ticket status as I think what you're describing is valid.

#4 - 09/16/2016 03:41 AM - Dominic Cleal
- Related to Bug #16576: Structured facts importer is extremely slow added

#5 - 02/13/2017 09:50 AM - Marek Hulán
- Has duplicate Feature #18479: Add a rake task to cleanup facts that are not used anymore added

#6 - 02/13/2017 09:51 AM - The Foreman Bot
- Status changed from New to Ready For Testing
- Assignee set to Marek Hulán
- Pull request https://github.com/theforeman/foreman/pull/4275 added

#7 - 02/15/2017 11:16 AM - Marek Hulán
- Bugzilla link set to 1422458

#8 - 03/09/2017 08:01 AM - Marek Hulán
- Status changed from Ready For Testing to Closed
- % Done changed from 0 to 100

Applied in changeset 89d84f633bf2d2f2f4390ffe98ee701a06a8763ef.

#9 - 04/03/2017 03:01 AM - Dominic Cleal
- Legacy Backlogs Release (now unused) set to 209