Foreman - Bug #15336

Org/Location removal results in a ISE

06/07/2016 04:11 PM - Partha Aji

Status:	Closed		
Priority:	Normal		
Assignee:	Partha Aji		
Category:	Organizations and Locations		
Target version:	1.13.0		
Difficulty:		**Fixed in Releases:**	
Triaged:		**Found in Releases:**	
Bugzilla link:	1343108	**Red Hat JIRA:**	
Pull request:	https://github.com/theforeman/foreman/pull/3576, https://github.com/theforeman/foreman/pull/3616		

Description

Cloned from https://bugzilla.redhat.com/show_bug.cgi?id=1343108
Description of problem:
The organization removal task is not atomic:
If the organization has some managed resources associated, its removal will fail:

```
# hammer -u admin -p changeme organization delete --id 3
[............  ] [95%]
foo is being used by a hidden Host::Managed resource
```

However, Candlepin manages to remove the Owner:

```
[candlepin.log - hashes truncated]

2016-06-06 09:34:43,813 [thread=http-8443-2] [req=83f71be1, org=] INFO  org.candlepin.common.filte
r.LoggingFilter - Request: verb=DELETE, uri=/candlepin/owners/foo
2016-06-06 09:34:43,831 [thread=http-8443-2] [req=83f71be1, org=] INFO  org.candlepin.resource.Own
erResource - Cleaning up owner: Owner [id: 8a90c0b855, key: foo]
2016-06-06 09:34:43,890 [thread=http-8443-2] [req=83f71be1, org=] INFO  org.candlepin.resource.Own
erResource - Deleting owner: Owner [id: 8a90c0b855, key: foo]
2016-06-06 09:34:43,897 [thread=http-8443-2] [req=83f71be1, org=] INFO  org.candlepin.audit.Hornet
qEventDispatcher - Sending event: Event [id=null, target=OWNER, type=DELETED, time=Mon Jun 06 09:3
4:43 EDT 2016, entity=8a90c0b855]
```

This leaves satellite in inconsistent state, where candlepin no longer recognizes the org while it still exists in the DB. Any action
involving this organization (even uploading a manifest for other org) ends up in error:

```
2016-06-06 09:35:00,643 [thread=http-8443-2] [req=1ad875b0, org=] INFO  org.candlepin.common.filte
r.LoggingFilter - Request: verb=GET, uri=/candlepin/owners/foo
2016-06-06 09:35:00,663 [thread=http-8443-2] [req=1ad875b0, org=] INFO  org.candlepin.resteasy.int
erceptor.AuthInterceptor - No such entity: Organization id: foo
2016-06-06 09:35:00,664 [thread=http-8443-2] [req=1ad875b] org=] INFO  org.candlepin.common.filter
.LoggingFilter - Response: status=404, content-type="application/json", time=21
```

Version-Release number of selected component (if applicable):
6.2.0 bet (GA14.1)

How reproducible:
always

Steps to Reproduce:
1. create an organization
2. have a host assigned to this org (you can use the satellite host itself)

3. try to delete this organization (this should fail)
4. try to create a new org and upload a manifest to it (this fails due to missing org above))

Actual results:
- candlepin removes the Org

Expected results:
- candlepin does not remove anything if the removal results in error in satellite (the removal task should be atomic)

Additional info:

Related issues:		
Related to Foreman - Tracker #10022: Taxonomies related issues	**New**	**04/05/2015**
Related to Foreman - Bug #15552: Org deletion needs to show a page listing th...	**New**	**06/30/2016**
Is duplicate of Katello - Bug #15149: Missing warning when trying to delete o...	**Duplicate**	**05/23/2016**

Associated revisions

Revision 1a753b07 - 06/30/2016 10:13 AM - Partha Aji

Fixes #15336 - Enables proper deletion of Orgs

Prior to this commit if you had an Org/Location with a host and tried to
the delete the Org. You would end up with an error that looks like

<Org> is used by <Host> (RuntimeError)

Basic error is these 2 areas

https://github.com/theforeman/foreman/blob/develop/app/models/taxonomies/organization.rb#L8
and
https://github.com/theforeman/foreman/blob/develop/app/models/taxonomy.rb#L2

```before_destroy EnsureNotUsedBy.new(:hosts)```

The above code is in the super class Taxonomy. This checks to make sure
no associations are there for the organization before destroying.

```has_many_hosts :dependent => :nullify```
The above code is in the sub class Organization/Location. This nullifies
the host association on the deletion of organization/location object.

We basically need ```has_many_hosts :dependent => :nullify``` to run
before ```before_destroy EnsureNotUsedBy.new(:hosts)```

For the proper ordering of these checks

This commit tries to address that ordering issue

Revision b0f8d18e - 07/01/2016 07:24 AM - Dominic Cleal

refs #15336 - use i18n variable names and plural form

History

#1 - 06/07/2016 04:21 PM - Partha Aji

- Project changed from Katello to Foreman

- Subject changed from Candlepin removes OwnerResource even when deleting the Organization fails in Satellite to Org/Location removal results in a ISE

- Category deleted (Organizations and Locations)

Steps to Reproduce:
1. create an organization
2. have a host assigned to this org (you can use the satellite host itself)
3. try to delete this organization (this should fail)
4. try to create a new org and upload a manifest to it (this fails due to missing org above))

Error Encountered:

```
] <Org> is used by <Host> (RuntimeError)
```

```
| /home/vagrant/katello/app/models/katello/concerns/organization_extensions.rb:116:in `destroy!'
| /home/vagrant/katello/app/lib/actions/katello/organization/destroy.rb:29:in `block in finalize'
| /home/vagrant/foreman/app/models/concerns/foreman/thread_session.rb:72:in `as'
| /home/vagrant/foreman/app/models/concerns/foreman/thread_session.rb:78:in `as_anonymous_admin'
| /home/vagrant/katello/app/lib/actions/katello/organization/destroy.rb:28:in `finalize'
| /home/vagrant/.rvm/gems/ruby-2.2.4/gems/dynflow-0.8.11/lib/dynflow/action.rb:528:in `block (2 levels) in ex
ecute_finalize'
| /home/vagrant/.rvm/gems/ruby-2.2.4/gems/dynflow-0.8.11/lib/dynflow/middleware/stack.rb:26:in `call'
```

Basic error is these 2 areas

https://github.com/theforeman/foreman/blob/develop/app/models/taxonomies/organization.rb#L8 and
https://github.com/theforeman/foreman/blob/develop/app/models/taxonomy.rb#L2


```
before_destroy EnsureNotUsedBy.new(:hosts)
```

The above code is in the super class Taxonomy. This checks to make sure no associations are there for the organization before destroying.

```
has_many_hosts :dependent => :nullify
```

The above code is in the sub class Organization/Location. This nullifies the host association on the deletion of organization/location object.

We basically need ```has_many_hosts :dependent => :nullify``` to run before ```before_destroy EnsureNotUsedBy.new(:hosts)```

For the proper ordering of these checks

#2 - 06/07/2016 04:28 PM - The Foreman Bot

- Status changed from New to Ready For Testing

- Pull request https://github.com/theforeman/foreman/pull/3576 added

#3 - 06/08/2016 02:27 AM - Marek Hulán

- Related to Tracker #10022: Taxonomies related issues added

#4 - 06/08/2016 02:27 AM - Marek Hulán

- Category set to Organizations and Locations

#5 - 06/30/2016 10:27 AM - The Foreman Bot

- Pull request https://github.com/theforeman/foreman/pull/3616 added

#6 - 06/30/2016 10:32 AM - Dominic Cleal

- Related to Bug #15552: Org deletion needs to show a page listing the hosts attached to the org added

#7 - 06/30/2016 11:02 AM - Partha Aji

- Status changed from Ready For Testing to Closed

- % Done changed from 0 to 100

Applied in changeset 1a753b078f526a3d7cfa943d00fa0d66d562d05d.

#8 - 07/01/2016 07:59 AM - Dominic Cleal

- translation missing: en.field_release set to 160

#9 - 08/10/2016 01:29 PM - Justin Sherrill

- Is duplicate of Bug #15149: Missing warning when trying to delete organization with assigned hosts added