Specifying wrong foreign key id for object (such as host or hostgroup) via hammer/api throws SQL error

If you specify non-existent content source id for hammer host/hostgroup create/update command, SQL error is shown instead of validation message.

Steps to Reproduce:
1. Execute host/hostgroup create/update command with --content-source-id set to some nonexistent id:
   hammer host create --medium-id="169" --ip="###.###.##.###" --location-id="2" --operatingsystem-id="3" --lifecycle-environment-id="593" --domain-id="1" --partition-table-id="87" --content-source-id="61340" --mac="40:8f:bf:b6:ca:7a" --content-view-id="618" --architecture-id="1" --organization="RshekR" --name="mYXwuGUHRd" --root-password="test"
2. 
3. 

Actual results:
[ERROR 2017-09-05 09:04:15 API] 500 Internal Server Error
[ERROR 2017-09-05 09:04:15 Exception] ERROR: Insert or update on table "katello_content_facets" violates foreign key constraint "katello_content_facets_content_source_id_fk"
DETAIL: Key (content_source_id)=(61340) is not present in table "smart_proxies".

Could not create the host:
ERROR: Insert or update on table "katello_content_facets" violates foreign key constraint "katello_content_facets_content_source_id_fk"
DETAIL: Key (content_source_id)=(61340) is not present in table "smart_proxies".
[ERROR 2017-09-05 09:04:15 Exception]
Some kind of validation message explaining that content source was not found by provided id should be shown.

Expected results:

Additional info:

<table>
<thead>
<tr>
<th>Related issues</th>
</tr>
</thead>
<tbody>
<tr>
<td>Related to Katello - Bug #24559: Hostgroups should use AssociationExistsValid...</td>
</tr>
<tr>
<td>Copied to Foreman - Bug #21829: Specifying wrong foreign key id for object (s...</td>
</tr>
</tbody>
</table>

Associated revisions
Revision 18eb3558 - 04/11/2018 01:38 PM - Andrew Kofink
Fixes #21689 - Validate content source in facet
This change should check that the content source exists in the database only if a content_source_id is given for a host.
Requires https://github.com/theforeman/foreman/pull/5405

History

#1 - 11/20/2017 03:50 PM - The Foreman Bot
- Assignee set to Andrew Kofink
- Status changed from New to Ready For Testing
- Pull request https://github.com/Katello/katello/pull/7075 added

#2 - 11/29/2017 07:17 PM - Justin Sherrill
- Legacy Backlogs Release (now unused) set to 114
- Subject changed from Specifying wrong content source id for host or hostgroup via hammer throws SQL error to Specifying wrong foreign key id for object (such as host or hostgroup) via hammer/api throws SQL error

#3 - 11/29/2017 07:18 PM - Justin Sherrill
Foreman-only examples:

1. hammer -p changeme hostgroup create --name=fooobar123 --realm-id=99999
   Could not create the hostgroup:
   ERROR: insert or update on table "hostgroups" violates foreign key constraint "hostgroups_realms_id_fk"
   DETAIL: Key (realm_id)=(99999) is not present in table "realms".

03/27/2022
1. hammer -p changeme hostgroup create --name=foobar123 --operatingsystem-id=99999
   Could not create the hostgroup:
   ERROR:  insert or update on table "hostgroups" violates foreign key constraint "hostgroups_operatingsystem_id_fk"
   DETAIL:  Key (operatingsystem_id)=(99999) is not present in table "operatingsystems".

#4 - 11/30/2017 07:56 PM - Andrew Kofink
- Status changed from Ready For Testing to Assigned
- Pull request deleted (https://github.com/Katello/katello/pull/7075)

#5 - 11/30/2017 07:58 PM - Andrew Kofink
- Copied to Bug #21829: Specifying wrong foreign key id for object (such as host or hostgroup) via hammer/api throws SQL error added

#6 - 04/04/2018 07:59 PM - The Foreman Bot
- Legacy Backlogs Release (now unused) deleted (114)
- Status changed from Assigned to Ready For Testing
- Pull request https://github.com/Katello/katello/pull/7287 added

#7 - 04/11/2018 02:02 PM - Andrew Kofink
- % Done changed from 0 to 100
- Status changed from Ready For Testing to Closed

Applied in changeset katello|18eb35587087fc5a67edeb4725ac322a015a3f42

#8 - 04/11/2018 05:36 PM - Justin Sherrill
- Legacy Backlogs Release (now unused) set to 338

#9 - 08/07/2018 06:05 PM - Andrew Kofink
- Related to Bug #24559: Hostgroups should use AssociationExistsValidator for content_source added