Error "Couldn't find Host::Managed with 'id'=" when sending Configuration Error Reports

02/07/2020 06:28 PM - Emil Dragu

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
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<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>Emil Dragu</td>
</tr>
<tr>
<td>Category:</td>
<td>Users, Roles and Permissions</td>
</tr>
<tr>
<td>Target version:</td>
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<td>Difficulty:</td>
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<td>Pull request:</td>
<td><a href="https://github.com/theforeman/foreman/pull/7422">https://github.com/theforeman/foreman/pull/7422</a></td>
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<tr>
<td>Triaged:</td>
<td>No</td>
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<tr>
<td>Fixed in Releases:</td>
<td>2.1.0</td>
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<td>Bugzilla link:</td>
<td></td>
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<td>Found in Releases:</td>
<td>1.20.0</td>
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Description
A while ago we stopped getting Error Reports, and the logs show an error like below:

```ruby
Couldn't find Host::Managed with 'id'=2088 [WHERE "hosts"."type" IN ('Host::Managed') AND ((( hosts.owner_id IS NOT NULL AND ( ( hosts.owner_type = 'User' AND hosts.owner_id IN (2) ) OR ( hosts.owner_type = 'Usergroup' AND hosts.owner_id IN (NULL) ) ) ) AND ("hosts"."organization_id" = '2') AND ("hosts"."location_id" = '1')) OR ( hosts.owner_id IS NOT NULL AND ( ( hosts.owner_type = 'User' AND hosts.owner_id IN (2) ) OR ( hosts.owner_type = 'Usergroup' AND hosts.owner_id IN (NULL) ) ) ) ) AND ("hosts"."organization_id" = '2') AND ("hosts"."location_id" = '1')) OR ("hostgroups"."name" = 'Default') AND ("hosts"."organization_id" = '2') AND ("hosts"."location_id" = '1')))) (ActiveRecord::RecordNotFound)
```

Steps to reproduce this (I got this from a production environment so I might miss something):
1. Create a user that is not allowed to view all the hosts.
2. Set Email Preferences -> Config error state to Subscribe to my hosts (Although Subscribe to all hosts might also work)
3. Generate configuration error on a host that above user is not allowed to view.

What happens under the hood,

```ruby
users = ConfigManagementError.all_hosts.flat_map(&:users)
```

- this returns the user that is not subscribed to all hosts, I don't know it's intended, but getting to the following line throws the error in the description:
users.select { |user| Host.authorized_as(user, :view_hosts).find(host.id).present? }

This throws the error as the user is not allowed to see the host.

Also the last line might suffer from the same problem described here in: https://projects.theforeman.org/issues/28093, where the user does not get his hosts but the hosts of foreman_api_admin which has id=2, as you can see in the query (hosts.owner_id IN (2)).

Associated revisions

Revision 10d6deba - 03/25/2020 12:49 PM - Emil DRAGU
Fixes #28960 - Configuration Error Reports not sent
Place the Host.authorized search in a begin block so when it fails it does not brake sending emails for other users. Also, place it in an User.as block so it executes in the context of the user being checked.

Revision 1e40a052 - 03/25/2020 12:49 PM - Emil DRAGU
Fixes #28960 - assign filtered users list to original variable
Fix detected coding standard violations

Revision 80c7ab0b - 03/25/2020 12:49 PM - Emil DRAGU
Fixes #28960 - Remove redundant begin block

History

#1 - 02/07/2020 06:38 PM - The Foreman Bot
- Status changed from New to Ready For Testing
- Pull request https://github.com/theforeman/foreman/pull/7422 added

#2 - 03/25/2020 12:49 PM - The Foreman Bot
- Fixed in Releases 2.1.0 added

#3 - 03/25/2020 01:01 PM - Anonymous
- Status changed from Ready For Testing to Closed

Applied in changeset 10d6debada60138a1bf7b0f59fcb4ec4ef79e61c.

#4 - 05/14/2020 08:29 AM - Amit Upadhye
- Category set to 218

#5 - 07/15/2020 01:30 PM - Tomer Brisker
- Category changed from 218 to Users, Roles and Permissions

#6 - 08/19/2020 05:42 PM - Ewoud Kohl van Wijngaarden
- Assignee set to Emil Dragu
- Subject changed from Error "Couldn't find Host::Managed with 'id'=" when sending Configuration Error Reports to Error "Couldn't find Host::Managed with 'id'=" when sending Configuration Error Reports