Error while assigning location to a number of hosts that is larger than per_page setting

Description
Cloned from https://bugzilla.redhat.com/show_bug.cgi?id=1593553

Description of problem:

Version-Release number of selected component (if applicable):

How reproducible: Always

Steps to Reproduce:
1. Navigate to Hosts -> All Hosts
2. In the search box, use a filter like "lifecycle_environment = Library" that will yield a number of servers that is larger than the "Entries per page" setting.
3. select the check box that selects all hosts on this page and then select "Select all <no> hosts"
4. click on "Select Action" and select "Assign Location" from the drop-down box
5. select Fix Location on Mismatch and a location.
6. click Submit

Actual results:
Oops, we're sorry but something went wrong ERROR: missing FROM-clause entry for table "katello_environments" LINE 1: ...
WHERE "hosts"."type" IN ('Host::Managed') AND (("katel... ^

Expected results:
It should not show any error message

Additional info:
Similarly
Assign Organization produces a similar error when filter used "organization = <org-name>"
Oops, we're sorry but something went wrong ERROR: missing FROM-clause entry for table "taxonomies" LINE 1: ...Managed') AND "hosts"."organization_id" = 1 AND (("taxon... ^

Related issues:
Related to Discovery - Bug #25095: Discovered host assign organization or ass...

Associated revisions
Revision 8a43c205 - 09/06/2018 06:43 PM - Stephen Benjamin
fixes #24702 - fix bulk taxonomy update w/ scoped search

If you go to the All Hosts page, and perform a search on a host relation, like "model ~ Standard" and the results page is more than per_page, and you select all results not just the first page, it will fail with a SQL error: rails isn't correctly generated the joins for the relation. This is fixed in Rails 5.2.x.
This is happening because of a bug that's fixed in Rails 5.2:

https://github.com/rails/rails/issues/28863

Guys, I assume this patch is 1.18 and 1.19 only. It caused regression in discovery (#25095) and I am not sure how to fix this yet. My assumption is to change this to something like:

```ruby
@hosts = @hosts.klass.where('hosts.id IN (?)', @hosts.pluck(:id))
```

But the error stays at PG::AmbiguousColumn: ERROR: column reference "id" is ambiguous LINE 1: ...WHERE "hosts"."type" IN ('Host::Discovered') AND (id IN (1"... "SELECT "hosts"."id" FROM "hosts" LEFT OUTER JOIN "models" ON "models"."id" = "hosts"."model_id" LEFT OUTER JOIN "fact_values" ON "fact_values"."host_id" = "hosts"."id" LEFT OUTER JOIN "nics" ON "nics"."host_id" = "hosts"."id" LEFT OUTER JOIN "taxonomies" ON "taxonomies"."id" = "hosts"."location_id" AND "taxonomies"."type" IN ('Location') LEFT OUTER JOIN "organizations_hosts" ON "organizations_hosts"."id" = "hosts"."organization_id" AND "organizations_hosts"."type" IN ('Organization') WHERE "hosts"."type" IN ('Host::Discovered') AND (id IN (1' or name IN (NULL)) ORDER BY hosts.created_at DESC

Related to Bug #25095: Discovered host assign organization or assign location failure added
Category set to Organizations and Locations