

Foreman - Bug #11718

Problems with roles that filter on facts

09/07/2015 11:07 PM - Ears Down

Status:	Resolved	
Priority:	High	
Assignee:		
Category:	Users, Roles and Permissions	
Target version:		
Difficulty:		Fixed in Releases:
Triaged:		Found in Releases: 1.8.3
Bugzilla link:		Red Hat JIRA:
Pull request:		

Description

Summary

When logged in as a user with a role which has filters that limit access based on facts, the user is unable to retrieve fact_values. Suspected cause is a bug with SQL query rendering. Behavior and error reports are listed below.

References to \$curl below are executed as curl -u linuxsysadmin:<password> -s https://<foreman-url>

Steps to reproduce

1. Centos 7 + Foreman 1.8.3.
2. Create role "Linux Sysadmin"
3. Create user "linuxsysadmin" and assign to role "Linux Sysadmin"
4. Assign these filters to the "Linux Sysadmin" role:
 - view_hosts, destroy_hosts: "facts.kernel ~ linux"
 - view_facts: unlimited
5. Run this: \$curl/api/hosts
 - Result: Works as expected - output not shown.
6. Run this: \$curl/api/v2/hosts
 - Result: Works as expected - output not shown.
7. Run this: \$curl/api/fact_values
 - Result: Error: PGError: ERROR: missing FROM-clause entry for table \"fact_names_456810\"

```
{
  "error": {
    "message": "PGError: ERROR: missing FROM-clause entry for table \"fact_names_456810\"
LINE 1: ...ames\".\"id\" = \"fact_values\".\"fact_name_id\" WHERE ((fact_names...
^
n: SELECT  \"fact_values\".\"id\" AS t0_r0, \"fact_values\".\"value\" AS t0_r1, \"fact_value
s\".\"fact_name_id\" AS t0_r2,
\"fact_values\".\"host_id\" AS t0_r3, \"fact_values\".\"updated_at\" AS t0_r4, \"fact_values\"
.\"created_at\" AS t0_r5,
\"fact_names\".\"id\" AS t1_r0, \"fact_names\".\"name\" AS t1_r1, \"fact_names\".\"updated_at\"
 AS t1_r2,
\"fact_names\".\"created_at\" AS t1_r3, \"fact_names\".\"compose\" AS t1_r4, \"fact_names\".\"
short_name\" AS t1_r5,
\"fact_names\".\"type\" AS t1_r6, \"fact_names\".\"ancestry\" AS t1_r7, \"hosts\".\"id\" AS t2
_r0, \"hosts\".\"name\" AS t2_r1,
\"hosts\".\"last_compile\" AS t2_r2, \"hosts\".\"last_freshcheck\" AS t2_r3, \"hosts\".\"last
report\" AS t2_r4,
\"hosts\".\"updated_at\" AS t2_r5, \"hosts\".\"source_file_id\" AS t2_r6, \"hosts\".\"created
at\" AS t2_r7,
\"hosts\".\"root_pass\" AS t2_r8, \"hosts\".\"serial\" AS t2_r9, \"hosts\".\"puppet_status\" A
S t2_r10,
\"hosts\".\"architecture_id\" AS t2_r11, \"hosts\".\"operatingsystem_id\" AS t2_r12, \"hosts\"
.\"environment_id\" AS t2_r13,
\"hosts\".\"ptable_id\" AS t2_r14, \"hosts\".\"medium_id\" AS t2_r15, \"hosts\".\"build\" AS t
```

```

2_r16, \"hosts\".\"comment\" AS t2_r17,
\"hosts\".\"disk\" AS t2_r18, \"hosts\".\"installed_at\" AS t2_r19, \"hosts\".\"model_id\" AS
t2_r20, \"hosts\".\"hostgroup_id\" AS t2_r21,
\"hosts\".\"owner_id\" AS t2_r22, \"hosts\".\"owner_type\" AS t2_r23, \"hosts\".\"enabled\" AS
t2_r24, \"hosts\".\"puppet_ca_proxy_id\" AS t2_r25,
\"hosts\".\"managed\" AS t2_r26, \"hosts\".\"use_image\" AS t2_r27, \"hosts\".\"image_file\" A
S t2_r28, \"hosts\".\"uuid\" AS t2_r29,
\"hosts\".\"compute_resource_id\" AS t2_r30, \"hosts\".\"puppet_proxy_id\" AS t2_r31, \"hosts\"
.\"certname\" AS t2_r32, \"hosts\".\"image_id\" AS t2_r33,
\"hosts\".\"organization_id\" AS t2_r34, \"hosts\".\"location_id\" AS t2_r35, \"hosts\".\"type
\" AS t2_r36, \"hosts\".\"otp\" AS t2_r37,
\"hosts\".\"realm_id\" AS t2_r38, \"hosts\".\"compute_profile_id\" AS t2_r39, \"hosts\".\"prov
ision_method\" AS t2_r40, \"hosts\".\"grub_pass\" AS t2_r41
FROM \"fact_values\" INNER JOIN \"hosts\" ON \"hosts\".\"id\" = \"fact_values\".\"host_id\"
AND \"hosts\".\"type\" IN ('Host::Managed')
LEFT OUTER JOIN \"fact_names\" ON \"fact_names\".\"id\" = \"fact_values\".\"fact_name_id\"
WHERE ((fact_names_456810.\"name\" = 'kernel')
AND (\"fact_values_456810\".\"value\" ILIKE '%Linux%'))
AND (fact_names.name <> '_timestamp')
ORDER BY \"fact_values\".\"value\" ASC NULLS FIRST LIMIT 20 OFFSET 0"
}
}

```

8. Run this: `$curl/api/v2/fact_values`
- Result: Empty result set, but no error.

```

{
  "results": {},
  "sort": {
    "order": null,
    "by": null
  },
  "search": "",
  "per_page": 20,
  "page": 1,
  "subtotal": 0,
  "total": 0
}

```

History

#1 - 09/08/2015 12:11 AM - Ears Down

Test case #2

- Assign these filters to the "Linux Sysadmin" role:
 - destroy_hosts: "has facts.kernel"
 - view_facts: unlimited
 - view_hosts: unlimited
- Run this: `$curl/api/fact_values`
- Result: Works as expected - output not shown.
- Run this: `$curl/api/v2/fact_values`
- Result: Empty result set, but no error.

#2 - 09/08/2015 02:59 AM - Dominic Cleal

- Difficulty deleted (easy)

#3 - 05/22/2017 01:13 PM - Marek Hulán

- Status changed from New to Resolved

This has been resolved by some scoped_search update. Both test cases works fine for me with current nightly. I'm setting this as resolved, please reopen if you still encounter the issue with recent, supported version.