

Foreman - Bug #11996

fact_values API with non-admin user and search on host.hostgroup throws SQL error

09/29/2015 09:09 AM - Dominic Cleal

Status:	Closed	
Priority:	Normal	
Assignee:	Dominic Cleal	
Category:	Facts	
Target version:	1.10.0	
Difficulty:		Fixed in Releases:
Triaged:		Found in Releases:
Bugzilla link:		Red Hat JIRA:
Pull request:	https://github.com/theforeman/foreman/pull/2766	

Description

1. Create a non-admin user, e.g. with the Viewer role
2. Ensure a host is present with facts and a host group set
3. GET /api/v2/fact_values?search=host.hostgroup=Example%20and%20name=ipaddress

It throws an error due to an invalid SQL statement:

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2015-09-29T14:00:59 [app] [I] Started GET "/api/v2/fact_values?search=host.hostgroup=Test3%20and%20name=ipaddress" for 127.0.0.1 at 2015-09-29 14:00:59 +0100 [166/92422]
2015-09-29T14:01:00 [app] [I] Processing by Api::V2::FactValuesController#index as JSON
2015-09-29T14:01:00 [app] [I] Parameters: {"search"=>"host.hostgroup=Test3 and name=ipaddress", "apiv"=>"v2", "fact_value"=>{}}
2015-09-29T14:01:00 [sql] [D] User Load (0.2ms) SELECT "users".* FROM "users" WHERE "users"."lower_login" = 'viewer' LIMIT 1
2015-09-29T14:01:00 [sql] [D] AuthSource Load (0.2ms) SELECT "auth_sources".* FROM "auth_sources" WHERE "auth_sources"."id" = 1 LIMIT 1
2015-09-29T14:01:00 [sql] [D] CACHE (0.0ms) SELECT "users".* FROM "users" WHERE "users"."lower_login" = 'viewer' LIMIT 1
2015-09-29T14:01:00 [sql] [D] Authenticated user viewer against INTERNAL authentication source
2015-09-29T14:01:00 [sql] [D] User Load (0.2ms) SELECT "users".* FROM "users" WHERE "users"."lower_login" = 'foreman_admin' LIMIT 1
2015-09-29T14:01:00 [app] [D] Setting current user thread-local variable to foreman_admin
2015-09-29T14:01:00 [app] [D] Setting current user thread-local variable to nil
2015-09-29T14:01:00 [sql] [D] Post-login processing for viewer
2015-09-29T14:01:00 [sql] [D] CACHE (0.0ms) SELECT "users".* FROM "users" WHERE "users"."lower_login" = 'foreman_admin' LIMIT 1
2015-09-29T14:01:00 [app] [D] Setting current user thread-local variable to foreman_admin
2015-09-29T14:01:00 [sql] [D] (0.1ms) begin transaction
2015-09-29T14:01:00 [sql] [D] (0.3ms) UPDATE "users" SET "last_login_on" = '2015-09-29 13:01:00.142449', "updated_at" = '2015-09-29 13:01:00.143557' WHERE "users"."id" = 30
2015-09-29T14:01:00 [sql] [D] Role Load (0.1ms) SELECT "roles".* FROM "roles" WHERE "roles"."name" = 'Anonymous' LIMIT 1
2015-09-29T14:01:00 [sql] [D] (0.1ms) SELECT "roles".id FROM "roles" INNER JOIN "user_roles" ON "roles"."id" = "user_roles"."role_id" WHERE "user_roles"."owner_id" = 30 AND "user_roles"."owner_type" = 'User'
2015-09-29T14:01:00 [sql] [D] (24.1ms) commit transaction
2015-09-29T14:01:00 [sql] [D] CACHE (0.0ms) SELECT "roles".* FROM "roles" WHERE "roles"."name" = 'Anonymous' LIMIT 1
2015-09-29T14:01:00 [sql] [D] Role Exists (0.2ms) SELECT 1 AS one FROM "roles" INNER JOIN "user_roles" ON "roles"."id" = "user_roles"."role_id" WHERE "user_roles"."owner_id" = 30 AND "user_roles"."owner_type" = 'User' AND "roles"."id" = 8 LIMIT 1
2015-09-29T14:01:00 [app] [D] Setting current user thread-local variable to nil
2015-09-29T14:01:00 [app] [D] Setting current user thread-local variable to viewer
2015-09-29T14:01:00 [sql] [D] (0.1ms) SELECT auth_sources.id FROM "auth_sources" WHERE "auth_sources"."type" IN ('AuthSourceHidden')
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2015-09-29T14:01:00 [sql] [D] User Load (0.2ms) SELECT "users".* FROM "users" WHERE "users"."lo
wer_login" = 'viewer' AND ("users"."auth_source_id" NOT IN (7)) ORDER BY firstname LIMIT 1
2015-09-29T14:01:00 [app] [I] Authorized user viewer(Viewer Viewer)
2015-09-29T14:01:00 [app] [D] Setting current user thread-local variable to viewer
2015-09-29T14:01:00 [sql] [D] Usergroup Load (0.2ms) SELECT "usergroups".* FROM "usergroups" IN
NER JOIN "cached_usergroup_members" ON "usergroups"."id" = "cached_usergroup_members"."usergroup_i
d" WHERE "cached_usergroup_members"."user_id" = 30 ORDER BY usergroups.name
2015-09-29T14:01:00 [sql] [D] Role Load (0.2ms) SELECT DISTINCT "roles".* FROM "roles" INNER JO
IN "cached_user_roles" ON "roles"."id" = "cached_user_roles"."role_id" WHERE "cached_user_roles"."
user_id" = 30
2015-09-29T14:01:00 [sql] [D] (1.1ms) SELECT permissions.name FROM "permissions" INNER JOIN "f
ilterings" ON "permissions"."id" = "filterings"."permission_id" INNER JOIN "filters" ON "filtering
s"."filter_id" = "filters"."id" WHERE "filters"."role_id" = 20 ORDER BY rol
e_id, filters.id
2015-09-29T14:01:00 [permissions] [D] checking permission view_facts
2015-09-29T14:01:00 [sql] [D] Filter Load (0.3ms) SELECT "filters".* FROM "filters" INNER JOIN
"filterings" ON "filterings"."filter_id" = "filters"."id" INNER JOIN "permissions" ON "permissions
"."id" = "filterings"."permission_id" INNER JOIN "roles" ON "filters"."role
_id" = "roles"."id" INNER JOIN "cached_user_roles" ON "roles"."id" = "cached_user_roles"."role_id"
WHERE "cached_user_roles"."user_id" = 30 AND (permissions.resource_type = 'FactValue') AND (permi
ssions.name = 'view_facts') ORDER BY role_id, filters.id
2015-09-29T14:01:00 [permissions] [D] filter with role_id: 20 limited: false search: taxonomy_sea
rch:
2015-09-29T14:01:00 [permissions] [D] checking permission view_hosts
2015-09-29T14:01:00 [sql] [D] Filter Load (0.4ms) SELECT "filters".* FROM "filters" INNER JOIN
"filterings" ON "filterings"."filter_id" = "filters"."id" INNER JOIN "permissions" ON "permissions
"."id" = "filterings"."permission_id" INNER JOIN "roles" ON "filters"."role
_id" = "roles"."id" INNER JOIN "cached_user_roles" ON "roles"."id" = "cached_user_roles"."role_id"
WHERE "cached_user_roles"."user_id" = 30 AND (permissions.resource_type = 'Host') AND (permission
s.name = 'view_hosts') ORDER BY role_id, filters.id
2015-09-29T14:01:00 [permissions] [D] filter with role_id: 20 limited: false search: taxonomy_sea
rch:
2015-09-29T14:01:00 [sql] [D] SQL (1.4ms) SELECT DISTINCT "fact_values".id FROM "fact_values" I
NNER 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_n
ame_id" LEFT OUTER JOIN "hosts" "hosts_fact_values_join" ON "hosts_fact_values_join"."id" = "fact_
values"."host_id" AND "hosts_fact_values_join"."type" IN ('Host::Managed') LEFT OUTER JOIN "hostgr
oups" ON "hostgroups"."id" = "hosts_fact_values_join"."hostgroup_id" WHERE
(fact_names.name <> '_timestamp') AND ((("fact_values"."id" IN (SELECT "fact_values"."id" FROM "fa
ct_values"
| INNER JOIN "hosts"
| ON "fact_values"."host_id" = "hosts"."id"
| INNER JOIN "hostgroups"
| ON "hosts"."hostgroup_id" = "hostgroups"."id"
| WHERE "hostgroups"."name" = 'Test3' )) AND ("fact_names"."name" = 'ipaddress')))) ORDER BY "fac
t_values"."value" ASC LIMIT 40 OFFSET 0
2015-09-29T14:01:00 [sql] [D] SQL (0.4ms) SELECT "fact_values"."id" AS t0_r0, "fact_values"."va
lue" AS t0_r1, "fact_values"."fact_name_id" AS t0_r2, "fact_values"."host_id" AS t0_r3, "fact_valu
es"."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"."c
reated_at" AS t1_r3, "fact_names"."compose" AS t1_r4, "fact_names"."short_name" AS t1_r5, "fact_na
mes"."type" AS t1_r6, "fact_names"."ancestry" AS t1_r7, "hostgroups"."id" A
S t2_r0, "hostgroups"."name" AS t2_r1, "hostgroups"."created_at" AS t2_r2, "hostgroups"."updated_a
t" AS t2_r3, "hostgroups"."environment_id" AS t2_r4, "hostgroups"."operatingsystem_id" AS t2_r5, "
hostgroups"."architecture_id" AS t2_r6, "hostgroups"."medium_id" AS t2_r7,
"hostgroups"."ptable_id" AS t2_r8, "hostgroups"."root_pass" AS t2_r9, "hostgroups"."puppet_ca_prox
y_id" AS t2_r10, "hostgroups"."use_image" AS t2_r11, "hostgroups"."image_file" AS t2_r12, "hostgro
ups"."ancestry" AS t2_r13, "hostgroups"."vm_defaults" AS t2_r14, "hostgroup
s"."subnet_id" AS t2_r15, "hostgroups"."domain_id" AS t2_r16, "hostgroups"."puppet_proxy_id" AS t2
_r17, "hostgroups"."title" AS t2_r18, "hostgroups"."compute_profile_id" AS t2_r19, "hostgroups"."r
ealm_id" AS t2_r20, "hostgroups"."grub_pass" AS t2_r21, "hostgroups"."looku
p_value_matcher" AS t2_r22, "hosts_fact_values"."id" AS t3_r0, "hosts_fact_values"."name" AS t3_r1
, "hosts_fact_values"."last_compile" AS t3_r2, "hosts_fact_values"."last_report" AS t3_r3, "hosts_
fact_values"."updated_at" AS t3_r4, "hosts_fact_values"."created_at" AS t3_
r5, "hosts_fact_values"."root_pass" AS t3_r6, "hosts_fact_values"."architecture_id" AS t3_r7, "hos
ts_fact_values"."operatingsystem_id" AS t3_r8, "hosts_fact_values"."environment_id" AS t3_r9, "hos
ts_fact_values"."ptable_id" AS t3_r10, "hosts_fact_values"."medium_id" AS t

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3_r11, "hosts_fact_values"."build" AS t3_r12, "hosts_fact_values"."comment" AS t3_r13, "hosts_fact_values"."disk" AS t3_r14, "hosts_fact_values"."installed_at" AS t3_r15, "hosts_fact_values"."model_id" AS t3_r16, "hosts_fact_values"."hostgroup_id" AS t3_r17, "hosts_fact_values"."owner_id" AS t3_r18, "hosts_fact_values"."owner_type" AS t3_r19, "hosts_fact_values"."enabled" AS t3_r20, "hosts_fact_values"."puppet_ca_proxy_id" AS t3_r21, "hosts_fact_values"."managed" AS t3_r22, "hosts_fact_values"."use_image" AS t3_r23, "hosts_fact_values"."image_file" AS t3_r24, "hosts_fact_values"."uuid" AS t3_r25, "hosts_fact_values"."compute_resource_id" AS t3_r26, "hosts_fact_values"."puppet_proxy_id" AS t3_r27, "hosts_fact_values"."certname" AS t3_r28, "hosts_fact_values"."image_id" AS t3_r29, "hosts_fact_values"."organization_id" AS t3_r30, "hosts_fact_values"."location_id" AS t3_r31, "hosts_fact_values"."type" AS t3_r32, "hosts_fact_values"."compute_profile_id" AS t3_r33, "hosts_fact_values"."provision_method" AS t3_r34, "hosts_fact_values"."otp" AS t3_r35, "hosts_fact_values"."realm_id" AS t3_r36, "hosts_fact_values"."grub_pass" AS t3_r37, "hosts_fact_values"."global_status" AS t3_r38, "hosts_fact_values"."lookup_value_matcher" AS t3_r39 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" LEFT OUTER JOIN "hosts_fact_values_join" ON "hosts_fact_values_join"."id" = "fact_values"."host_id" AND "hosts_fact_values_join"."type" IN ('Host::Managed') LEFT OUTER JOIN "hostgroups" ON "hostgroups"."id" = "hosts_fact_values_join"."hostgroup_id" WHERE "fact_values"."id" IN (1119) AND (fact_names.name <> '_timestamp') AND ((("fact_values"."id" IN (SELECT "fact_values"."id" FROM "fact_values" | INNER JOIN "hosts" | ON "fact_values"."host_id" = "hosts"."id" | INNER JOIN "hostgroups" | ON "hosts"."hostgroup_id" = "hostgroups"."id" | WHERE "hostgroups"."name" = 'Test3' ))) AND ("fact_names"."name" = 'ipaddress')) ORDER BY "fact_values"."value" ASC

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2015-09-29T14:01:00 [sql] [D] SQLite3::SQLException: no such column: hosts_fact_values.id: SELECT "fact_values"."id" AS t0_r0, "fact_values"."value" AS t0_r1, "fact_values"."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, "hostgroups"."id" AS t2_r0, "hostgroups"."name" AS t2_r1, "hostgroups"."created_at" AS t2_r2, "hostgroups"."updated_at" AS t2_r3, "hostgroups"."environment_id" AS t2_r4, "hostgroups"."operatingsystem_id" AS t2_r5, "hostgroups"."architecture_id" AS t2_r6, "hostgroups"."medium_id" AS t2_r7, "hostgroups"."ptable_id" AS t2_r8, "hostgroups"."root_pass" AS t2_r9, "hostgroups"."puppet_ca_proxy_id" AS t2_r10, "hostgroups"."use_image" AS t2_r11, "hostgroups"."image_file" AS t2_r12, "hostgroups"."ancestry" AS t2_r13, "hostgroups"."vm_defaults" AS t2_r14, "hostgroups"."subnet_id" AS t2_r15, "hostgroups"."domain_id" AS t2_r16, "hostgroups"."puppet_proxy_id" AS t2_r17, "hostgroups"."title" AS t2_r18, "hostgroups"."compute_profile_id" AS t2_r19, "hostgroups"."realm_id" AS t2_r20, "hostgroups"."grub_pass" AS t2_r21, "hostgroups"."lookup_value_matcher" AS t2_r22, "hosts_fact_values"."id" AS t3_r0, "hosts_fact_values"."name" AS t3_r1, "hosts_fact_values"."last_compile" AS t3_r2, "hosts_fact_values"."last_report" AS t3_r3, "hosts_fact_values"."updated_at" AS t3_r4, "hosts_fact_values"."created_at" AS t3_r5, "hosts_fact_values"."root_pass" AS t3_r6, "hosts_fact_values"."architecture_id" AS t3_r7, "hosts_fact_values"."operatingsystem_id" AS t3_r8, "hosts_fact_values"."environment_id" AS t3_r9, "hosts_fact_values"."ptable_id" AS t3_r10, "hosts_fact_values"."medium_id" AS t3_r11, "hosts_fact_values"."build" AS t3_r12, "hosts_fact_values"."comment" AS t3_r13, "hosts_fact_values"."disk" AS t3_r14, "hosts_fact_values"."installed_at" AS t3_r15, "hosts_fact_values"."model_id" AS t3_r16, "hosts_fact_values"."hostgroup_id" AS t3_r17, "hosts_fact_values"."owner_id" AS t3_r18, "hosts_fact_values"."owner_type" AS t3_r19, "hosts_fact_values"."enabled" AS t3_r20, "hosts_fact_values"."puppet_ca_proxy_id" AS t3_r21, "hosts_fact_values"."managed" AS t3_r22, "hosts_fact_values"."use_image" AS t3_r23, "hosts_fact_values"."image_file" AS t3_r24, "hosts_fact_values"."uuid" AS t3_r25, "hosts_fact_values"."compute_resource_id" AS t3_r26, "hosts_fact_values"."puppet_proxy_id" AS t3_r27, "hosts_fact_values"."certname" AS t3_r28, "hosts_fact_values"."image_id" AS t3_r29, "hosts_fact_values"."organization_id" AS t3_r30, "hosts_fact_values"."location_id" AS t3_r31, "hosts_fact_values"."type" AS t3_r32, "hosts_fact_values"."compute_profile_id" AS t3_r33, "hosts_fact_values"."provision_method" AS t3_r34, "hosts_fact_values"."otp" AS t3_r35, "hosts_fact_values"."realm_id" AS t3_r36, "hosts_fact_values"."grub_pass" AS t3_r37, "hosts_fact_values"."global_status" AS t3_r38, "hosts_fact_values"."lookup_value_matcher" AS t3_r39 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" LEFT OUTER JOIN "hosts_fact_values_join" ON "hosts_fact_values_join"."id" = "fact_values"."host_id" AND "hosts_fact_values_join"."type" IN ('Host::Managed') LEFT OUTER JOIN "hostgroups" ON "hostgroups"."id" = "hosts_fact_va

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lues_join"."hostgroup_id" WHERE "fact_values"."id" IN (1119) AND (fact_names.name <> '_timestamp')
AND (((("fact_values"."id" IN (SELECT "fact_values"."id" FROM "fact
_values"
| INNER JOIN "hosts"
| ON "fact_values"."host_id" = "hosts"."id"
| INNER JOIN "hostgroups"
| ON "hosts"."hostgroup_id" = "hostgroups"."id"
| WHERE "hostgroups"."name" = 'Test3' )) AND ("fact_names"."name" = 'ipaddress')))) ORDER BY "fac
t_values"."value" ASC
2015-09-29T14:01:00 [app] [W] Action failed
| ActiveRecord::StatementInvalid: SQLite3::SQLException: no such column: hosts_fact_values.id: SE
LECT "fact_values"."id" AS t0_r0, "fact_values"."value" AS t0_r1, "fact_values"."fact_name_id" AS
t0_r2, "fact_values"."host_id" AS t0_r3, "fact_values"."updated_at" AS t0_r
4, "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, "f
act_names"."ancestry" AS t1_r7, "hostgroups"."id" AS t2_r0, "hostgroups"."name" AS t2_r1, "hostgro
ups"."created_at" AS t2_r2, "hostgroups"."updated_at" AS t2_r3, "hostgroups"."environment_id" AS t
2_r4, "hostgroups"."operatingsystem_id" AS t2_r5, "hostgroups"."architectur
e_id" AS t2_r6, "hostgroups"."medium_id" AS t2_r7, "hostgroups"."ptable_id" AS t2_r8, "hostgroups"
.root_pass" AS t2_r9, "hostgroups"."puppet_ca_proxy_id" AS t2_r10, "hostgroups"."use_image" AS t2
_r11, "hostgroups"."image_file" AS t2_r12, "hostgroups"."ancestry" AS t2_r1
3, "hostgroups"."vm_defaults" AS t2_r14, "hostgroups"."subnet_id" AS t2_r15, "hostgroups"."domain_
id" AS t2_r16, "hostgroups"."puppet_proxy_id" AS t2_r17, "hostgroups"."title" AS t2_r18, "hostgrou
ps"."compute_profile_id" AS t2_r19, "hostgroups"."realm_id" AS t2_r20, "hos
tgroups"."grub_pass" AS t2_r21, "hostgroups"."lookup_value_matcher" AS t2_r22, "hosts_fact_values"
.id" AS t3_r0, "hosts_fact_values"."name" AS t3_r1, "hosts_fact_values"."last_compile" AS t3_r2,
"hosts_fact_values"."last_report" AS t3_r3, "hosts_fact_values"."updated_at
" AS t3_r4, "hosts_fact_values"."created_at" AS t3_r5, "hosts_fact_values"."root_pass" AS t3_r6, "
hosts_fact_values"."architecture_id" AS t3_r7, "hosts_fact_values"."operatingsystem_id" AS t3_r8,
"hosts_fact_values"."environment_id" AS t3_r9, "hosts_fact_values"."ptable_
id" AS t3_r10, "hosts_fact_values"."medium_id" AS t3_r11, "hosts_fact_values"."build" AS t3_r12, "
hosts_fact_values"."comment" AS t3_r13, "hosts_fact_values"."disk" AS t3_r14, "hosts_fact_values".
installed_at" AS t3_r15, "hosts_fact_values"."model_id" AS t3_r16, "hosts_
fact_values"."hostgroup_id" AS t3_r17, "hosts_fact_values"."owner_id" AS t3_r18, "hosts_fact_value
s"."owner_type" AS t3_r19, "hosts_fact_values"."enabled" AS t3_r20, "hosts_fact_values"."puppet_ca_
proxy_id" AS t3_r21, "hosts_fact_values"."managed" AS t3_r22, "hosts_fact_
values"."use_image" AS t3_r23, "hosts_fact_values"."image_file" AS t3_r24, "hosts_fact_values"."uu
id" AS t3_r25, "hosts_fact_values"."compute_resource_id" AS t3_r26, "hosts_fact_values"."puppet_pr
oxy_id" AS t3_r27, "hosts_fact_values"."certname" AS t3_r28, "hosts_fact_va
lues"."image_id" AS t3_r29, "hosts_fact_values"."organization_id" AS t3_r30, "hosts_fact_values"."
location_id" AS t3_r31, "hosts_fact_values"."type" AS t3_r32, "hosts_fact_values"."compute_profile_
id" AS t3_r33, "hosts_fact_values"."provision_method" AS t3_r34, "hosts_fa
ct_values"."otp" AS t3_r35, "hosts_fact_values"."realm_id" AS t3_r36, "hosts_fact_values"."grub_pa
ss" AS t3_r37, "hosts_fact_values"."global_status" AS t3_r38, "hosts_fact_values"."lookup_value_ma
tcher" AS t3_r39 FROM "fact_values" INNER JOIN "hosts" ON "hosts"."id" = "f
act_values"."host_id" AND "hosts"."type" IN ('Host::Managed') LEFT OUTER JOIN "fact_names" ON "fac
t_names"."id" = "fact_values"."fact_name_id" LEFT OUTER JOIN "hosts" "hosts_fact_values_join" ON "
hosts_fact_values_join"."id" = "fact_values"."host_id" AND "hosts_fact_valu
es_join"."type" IN ('Host::Managed') LEFT OUTER JOIN "hostgroups" ON "hostgroups"."id" = "hosts_fa
ct_values_join"."hostgroup_id" WHERE "fact_values"."id" IN (1119) AND (fact_names.name <> '_timest
amp') AND (((("fact_values"."id" IN (SELECT "fact_values"."id" FROM
"fact_values"
| INNER JOIN "hosts"
| ON "fact_values"."host_id" = "hosts"."id"
| INNER JOIN "hostgroups"
| ON "hosts"."hostgroup_id" = "hostgroups"."id"
| WHERE "hostgroups"."name" = 'Test3' )) AND ("fact_names"."name" = 'ipaddress')))) ORDER BY "fac
t_values"."value" ASC
| /home/dcleal/.rvm/gems/ruby-2.0.0-p353@foreman/gems/sqlite3-1.3.10/lib/sqlite3/database.rb:91:i
n `initialize'
| /home/dcleal/.rvm/gems/ruby-2.0.0-p353@foreman/gems/sqlite3-1.3.10/lib/sqlite3/database.rb:91:i
n `new'
| /home/dcleal/.rvm/gems/ruby-2.0.0-p353@foreman/gems/sqlite3-1.3.10/lib/sqlite3/database.rb:91:i
n `prepare'
| /home/dcleal/.rvm/gems/ruby-2.0.0-p353@foreman/gems/activerecord-3.2.21/lib/active_record/conne
ction_adapters/sqlite_adapter.rb:246:in `block in exec_query'

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| /home/dcleal/.rvm/gems/ruby-2.0.0-p353@foreman/gems/activerecord-3.2.21/lib/active_record/connection_adapters/abstract_adapter.rb:280:in `block in log'
| /home/dcleal/.rvm/gems/ruby-2.0.0-p353@foreman/gems/activesupport-3.2.21/lib/active_support/notifications/instrumenter.rb:20:in `instrument'
| /home/dcleal/.rvm/gems/ruby-2.0.0-p353@foreman/gems/activerecord-3.2.21/lib/active_record/connection_adapters/abstract_adapter.rb:275:in `log'
| /home/dcleal/.rvm/gems/ruby-2.0.0-p353@foreman/gems/activerecord-3.2.21/lib/active_record/connection_adapters/sqlite_adapter.rb:242:in `exec_query'
| /home/dcleal/.rvm/gems/ruby-2.0.0-p353@foreman/gems/activerecord-3.2.21/lib/active_record/connection_adapters/sqlite_adapter.rb:467:in `select'
| /home/dcleal/.rvm/gems/ruby-2.0.0-p353@foreman/gems/activerecord-3.2.21/lib/active_record/connection_adapters/abstract/database_statements.rb:18:in `select_all'
| /home/dcleal/.rvm/gems/ruby-2.0.0-p353@foreman/gems/activerecord-3.2.21/lib/active_record/connection_adapters/abstract/query_cache.rb:61:in `block in select_all'
| /home/dcleal/.rvm/gems/ruby-2.0.0-p353@foreman/gems/activerecord-3.2.21/lib/active_record/connection_adapters/abstract/query_cache.rb:75:in `cache_sql'
| /home/dcleal/.rvm/gems/ruby-2.0.0-p353@foreman/gems/activerecord-3.2.21/lib/active_record/connection_adapters/abstract/query_cache.rb:61:in `select_all'
| /home/dcleal/.rvm/gems/ruby-2.0.0-p353@foreman/gems/activerecord-3.2.21/lib/active_record/relation/finder_methods.rb:212:in `find_with_associations'
| /home/dcleal/.rvm/gems/ruby-2.0.0-p353@foreman/gems/bullet-4.14.7/lib/bullet/active_record3x.rb:45:in `find_with_associations'
| /home/dcleal/.rvm/gems/ruby-2.0.0-p353@foreman/gems/activerecord-3.2.21/lib/active_record/relation.rb:174:in `block in exec_queries'
| /home/dcleal/.rvm/gems/ruby-2.0.0-p353@foreman/gems/activerecord-3.2.21/lib/active_record/identity_map.rb:72:in `without'
| /home/dcleal/.rvm/gems/ruby-2.0.0-p353@foreman/gems/activerecord-3.2.21/lib/active_record/relation.rb:173:in `exec_queries'
| /home/dcleal/.rvm/gems/ruby-2.0.0-p353@foreman/gems/activerecord-3.2.21/lib/active_record/relation.rb:160:in `block in to_a'
| /home/dcleal/.rvm/gems/ruby-2.0.0-p353@foreman/gems/activerecord-3.2.21/lib/active_record/explain.rb:34:in `logging_query_plan'
| /home/dcleal/.rvm/gems/ruby-2.0.0-p353@foreman/gems/activerecord-3.2.21/lib/active_record/relation.rb:159:in `to_a'
| /home/dcleal/.rvm/gems/ruby-2.0.0-p353@foreman/gems/bullet-4.14.7/lib/bullet/active_record3x.rb:10:in `to_a'
| /home/dcleal/.rvm/gems/ruby-2.0.0-p353@foreman/gems/will_paginate-3.0.7/lib/will_paginate/active_record.rb:134:in `block in to_a'
| /home/dcleal/.rvm/gems/ruby-2.0.0-p353@foreman/gems/will_paginate-3.0.7/lib/will_paginate/collection.rb:96:in `create'
| /home/dcleal/.rvm/gems/ruby-2.0.0-p353@foreman/gems/will_paginate-3.0.7/lib/will_paginate/active_record.rb:133:in `to_a'
| /home/dcleal/.rvm/gems/ruby-2.0.0-p353@foreman/gems/activerecord-3.2.21/lib/active_record/relation/finder_methods.rb:159:in `all'
| /home/dcleal/code/foreman/foreman/app/controllers/api/v2/fact_values_controller.rb:17:in `index'

```

It seems to be some nasty interaction between non-admin users in the authz system (perhaps its join support in [#8817](#)), searching fact_values with host.hostgroup through host, and the .includes in the controller. Removing any of these things makes it work.

Related issues:

Related to Foreman - Bug #19742: API call for fact_values is slow when user i...

Closed

06/01/2017

Associated revisions

Revision d6436499 - 09/30/2015 12:55 PM - Dominic Cleal

fixes #11996 - use preload to avoid multiple fact/host table joins

When retrieving fact_values as a non-admin user, the my_facts scope performs a join to the hosts table. The .includes(:host) also performs a join via eager loading, and when both are combined with a scoped search on host.hostgroup (joined via hosts to hostgroups), the three joins with table renaming cause errors.

History

#1 - 09/29/2015 09:10 AM - Dominic Cleal

Equivalent queries from an admin user:

```

2015-09-29T14:07:17 [app] [D] Setting current user thread-local variable to admin
2015-09-29T14:07:17 [sql] [D] SQL (0.9ms) SELECT DISTINCT "fact_values".id FROM "fact_values" LEFT OUTER JO
IN "fact_names" ON "fact_names"."id" = "fact_values"."fact_name_id" LEFT OUTER JOIN "hosts" ON "hosts"."id" =
"fact_values"."host_id" AND "hosts"."type" IN ('Host::Managed') LEFT OUTER JOIN "hostgroups" ON "hostgroups"."
id" = "hosts"."hostgroup_id" LEFT OUTER JOIN "hosts" "hosts_fact_values" ON "hosts_fact_values"."id" = "fact_v
alues"."host_id" AND "hosts_fact_values"."type" IN ('Host::Managed') WHERE (fact_names.name <> '_timestamp') A
ND ((("fact_values"."id" IN (SELECT "fact_values"."id" FROM "fact_values"
| INNER JOIN "hosts"
| ON "fact_values"."host_id" = "hosts"."id"
| INNER JOIN "hostgroups"
| ON "hosts"."hostgroup_id" = "hostgroups"."id"
| WHERE "hostgroups"."name" = 'Test3' )) AND ("fact_names"."name" = 'ipaddress')) ORDER BY "fact_values"."v
alue" ASC LIMIT 40 OFFSET 0
2015-09-29T14:07:17 [sql] [D] SQL (0.7ms) SELECT "fact_values"."id" AS t0_r0, "fact_values"."value" AS t0_r
1, "fact_values"."fact_name_id" AS t0_r2, "fact_values"."host_id" AS t0_r3, "fact_values"."updated_at" AS t0_r
4, "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"."sho
rt_name" AS t1_r5, "fact_names"."type" AS t1_r6, "fact_names"."ancestry" AS t1_r7, "hostgroups"."id" AS t2_r0,
"hostgroups"."name" AS t2_r1, "hostgroups"."created_at" AS t2_r2, "hostgroups"."updated_at" AS t2_r3, "hostgr
oups"."environment_id" AS t2_r4, "hostgroups"."operatingsystem_id" AS t2_r5, "hostgroups"."architecture_id" AS
t2_r6, "hostgroups"."medium_id" AS t2_r7, "hostgroups"."ptable_id" AS t2_r8, "hostgroups"."root_pass" AS t2_r
9, "hostgroups"."puppet_ca_proxy_id" AS t2_r10, "hostgroups"."use_image" AS t2_r11, "hostgroups"."image_file"
AS t2_r12, "hostgroups"."ancestry" AS t2_r13, "hostgroups"."vm_defaults" AS t2_r14, "hostgroups"."subnet_id" A
S t2_r15, "hostgroups"."domain_id" AS t2_r16, "hostgroups"."puppet_proxy_id" AS t2_r17, "hostgroups"."title" A
S t2_r18, "hostgroups"."compute_profile_id" AS t2_r19, "hostgroups"."realm_id" AS t2_r20, "hostgroups"."grub_p
ass" AS t2_r21, "hostgroups"."lookup_value_matcher" AS t2_r22, "hosts_fact_values"."id" AS t3_r0, "hosts_fact_
values"."name" AS t3_r1, "hosts_fact_values"."last_compile" AS t3_r2, "hosts_fact_values"."last_report" AS t3_
r3, "hosts_fact_values"."updated_at" AS t3_r4, "hosts_fact_values"."created_at" AS t3_r5, "hosts_fact_values".
"root_pass" AS t3_r6, "hosts_fact_values"."architecture_id" AS t3_r7, "hosts_fact_values"."operatingsystem_id"
AS t3_r8, "hosts_fact_values"."environment_id" AS t3_r9, "hosts_fact_values"."ptable_id" AS t3_r10, "hosts_fa
ct_values"."medium_id" AS t3_r11, "hosts_fact_values"."build" AS t3_r12, "hosts_fact_values"."comment" AS t3_r
13, "hosts_fact_values"."disk" AS t3_r14, "hosts_fact_values"."installed_at" AS t3_r15, "hosts_fact_values"."m
odel_id" AS t3_r16, "hosts_fact_values"."hostgroup_id" AS t3_r17, "hosts_fact_values"."owner_id" AS t3_r18, "h
osts_fact_values"."owner_type" AS t3_r19, "hosts_fact_values"."enabled" AS t3_r20, "hosts_fact_values"."puppet
_ca_proxy_id" AS t3_r21, "hosts_fact_values"."managed" AS t3_r22, "hosts_fact_values"."use_image" AS t3_r23, "
hosts_fact_values"."image_file" AS t3_r24, "hosts_fact_values"."uuid" AS t3_r25, "hosts_fact_values"."compute
_resource_id" AS t3_r26, "hosts_fact_values"."puppet_proxy_id" AS t3_r27, "hosts_fact_values"."certname" AS t3_
r28, "hosts_fact_values"."image_id" AS t3_r29, "hosts_fact_values"."organization_id" AS t3_r30, "hosts_fact_va
lues"."location_id" AS t3_r31, "hosts_fact_values"."type" AS t3_r32, "hosts_fact_values"."compute_profile_id"
AS t3_r33, "hosts_fact_values"."provision_method" AS t3_r34, "hosts_fact_values"."otp" AS t3_r35, "hosts_fact_
values"."realm_id" AS t3_r36, "hosts_fact_values"."grub_pass" AS t3_r37, "hosts_fact_values"."global_status" A
S t3_r38, "hosts_fact_values"."lookup_value_matcher" AS t3_r39 FROM "fact_values" LEFT OUTER JOIN "fact_names"
ON "fact_names"."id" = "fact_values"."fact_name_id" LEFT OUTER JOIN "hosts" ON "hosts"."id" = "fact_values"."
host_id" AND "hosts"."type" IN ('Host::Managed') LEFT OUTER JOIN "hostgroups" ON "hostgroups"."id" = "hosts"."
hostgroup_id" LEFT OUTER JOIN "hosts" "hosts_fact_values" ON "hosts_fact_values"."id" = "fact_values"."host_id
" AND "hosts_fact_values"."type" IN ('Host::Managed') WHERE "fact_values"."id" IN (1119) AND (fact_names.name
<> '_timestamp') AND ((("fact_values"."id" IN (SELECT "fact_values"."id" FROM "fact_values"
| INNER JOIN "hosts"
| ON "fact_values"."host_id" = "hosts"."id"
| INNER JOIN "hostgroups"
| ON "hosts"."hostgroup_id" = "hostgroups"."id"
| WHERE "hostgroups"."name" = 'Test3' )) AND ("fact_names"."name" = 'ipaddress')) ORDER BY "fact_values"."v
alue" ASC
2015-09-29T14:07:17 [app] [I] Rendered api/v2/fact_values/index.json.rabl within api/v2/layouts/index_layout
(0.6ms)

```

#2 - 09/29/2015 10:12 AM - Dominic Cleal

- Status changed from New to Assigned
- Assignee set to Dominic Cleal

#3 - 09/30/2015 02:48 AM - The Foreman Bot

- Status changed from Assigned to Ready For Testing
- Pull request <https://github.com/theforeman/foreman/pull/2766> added
- Pull request deleted ()

#4 - 09/30/2015 01:01 PM - Dominic Cleal

- Status changed from Ready For Testing to Closed
- % Done changed from 0 to 100

Applied in changeset [d6436499674d83e167a5059feffe5156c1a00c6f](#).

#5 - 10/06/2015 03:42 AM - Dominic Cleal

- *translation missing: en.field_release set to 63*

#6 - 09/08/2017 04:47 AM - Marek Hulán

- *Related to Bug #19742: API call for fact_values is slow when user is non-admin , Foreman 1.15.0 added*