Foreman - Bug #11881

Searching for 'puppet' in Puppet Classes takes long

09/18/2015 04:10 AM - Matthias Thubauville

Status:	Closed		
Priority:	Low		
Assignee:			
Category:	Search		
Target version:	1.10.0		
Difficulty:		**Fixed in Releases:**	
Triaged:		**Found in Releases:**	1.9.0
Bugzilla link:		**Red Hat JIRA:**	
Pull request:	https://github.com/theforeman/foreman/pull/2816		

Description

Searching for 'puppet' in the Puppet Classes Page/View takes quite long. (See debug outputs below)

According to Dominic this is due to the fact, that a free text search is performed. I can support this, as searching for 'name = puppet' is more or less instantaneous.

I guess one could make the default (with no field specified) search only in the name field or catch the 'puppet' special case, to prevent this. (Or leave it as it is, since it is actually working as intended, but with this side-effect ;))

Output without sql debug:

```
09:25:17 [app] [I]
 |
 | Started GET "/puppetclasses?utf8=%E2%9C%93&search=puppet" for 10.11.12.13 at 09:25:17 +0200
09:25:17 [app] [I] Processing by PuppetclassesController#index as HTML
09:25:17 [app] [I]   Parameters: {"utf8"=>"✓", "search"=>"puppet"}
09:27:04 [foreman-tasks/dynflow] [I] start terminating client dispatcher...
09:27:04 [foreman-tasks/dynflow] [I] stop listening for new events...
09:27:04 [foreman-tasks/dynflow] [I] start terminating clock...
09:30:11 [app] [I] Connecting to database specified by database.yml
09:30:12 [app] [I] Connecting to database specified by database.yml
09:30:23 [sql] [W] Creating scope :completer_scope. Overwriting existing method Location.completer
_scope.
09:30:23 [sql] [W] Creating scope :completer_scope. Overwriting existing method Location.completer
_scope.
09:30:23 [sql] [W] Creating scope :completer_scope. Overwriting existing method Organization.compl
eter_scope.
09:30:23 [sql] [W] Creating scope :completer_scope. Overwriting existing method Organization.compl
eter_scope.
09:30:37 [foreman-tasks/dynflow] [I] start terminating client dispatcher...
09:30:37 [foreman-tasks/dynflow] [I] stop listening for new events...
09:30:37 [foreman-tasks/dynflow] [I] start terminating clock...
09:30:37 [foreman-tasks/dynflow] [I] start terminating client dispatcher...
09:30:37 [foreman-tasks/dynflow] [I] stop listening for new events...
09:30:37 [foreman-tasks/dynflow] [I] start terminating clock...
09:30:47 [app] [I]   Rendered puppetclasses/index.html.erb within layouts/application (55.8ms)
09:30:47 [app] [I]   Rendered common/_searchbar.html.erb (3.9ms)
09:30:47 [app] [I]   Rendered home/_user_dropdown.html.erb (6.0ms)
09:30:47 [app] [I] Read fragment views/tabs_and_title_records-4 (0.1ms)
09:30:47 [app] [I]   Rendered home/_organization_dropdown.html.erb (8.2ms)
09:30:47 [app] [I]   Rendered home/_location_dropdown.html.erb (8.9ms)
09:30:47 [app] [I]   Rendered home/_org_switcher.html.erb (19.4ms)
09:30:47 [app] [I]   Rendered home/_submenu.html.erb (11.8ms)
09:30:47 [app] [I]   Rendered home/_submenu.html.erb (6.2ms)
```

```
09:30:47 [app] [I]    Rendered home/_submenu.html.erb (2.8ms)
09:30:47 [app] [I]    Rendered home/_submenu.html.erb (6.9ms)
09:30:47 [app] [I]    Rendered home/_submenu.html.erb (4.3ms)
09:30:47 [app] [I]    Rendered home/_submenu.html.erb (3.8ms)
09:30:47 [app] [I]    Rendered home/_submenu.html.erb (5.0ms)
09:30:47 [app] [I] Write fragment views/tabs_and_title_records-4 (1.1ms)
09:30:47 [app] [I]    Rendered home/_topbar.html.erb (74.8ms)
09:30:47 [app] [I]    Rendered layouts/base.html.erb (76.6ms)
09:30:47 [app] [I] Completed 200 OK in 330519ms (Views: 133.6ms | ActiveRecord: 11704.7ms)
```

Output with sql debug:

```
09:52:18 [app] [I]
 |
 | Started GET "/puppetclasses?utf8=%E2%9C%93&search=puppet" for 10.12.13.14 at 09:52:18 +0200
09:52:18 [app] [I] Processing by PuppetclassesController#index as HTML
09:52:18 [app] [I]    Parameters: {"utf8"=>"✓", "search"=>"puppet"}
09:52:18 [sql] [D]    User Load (0.3ms)  SELECT "users".* FROM "users" WHERE "users"."id" = $1 LIMI
T 1  [["id", 4]]
09:52:18 [app] [D] Setting current user thread-local variable to USER
09:52:18 [sql] [D]    (0.4ms)  SELECT COUNT(*) FROM "taxonomies" WHERE "taxonomies"."type" IN ('Or
ganization')
09:52:18 [sql] [D]    Organization Load (0.4ms)  SELECT "taxonomies".* FROM "taxonomies" WHERE "tax
onomies"."type" IN ('Organization') AND "taxonomies"."id" = 3 ORDER BY title LIMIT 1
09:52:18 [app] [D] Setting current organization thread-local variable to ORG
09:52:18 [sql] [D]    (0.3ms)  SELECT COUNT(*) FROM "taxonomies" WHERE "taxonomies"."type" IN ('Lo
cation')
09:52:18 [sql] [D]    Location Load (0.3ms)  SELECT "taxonomies".* FROM "taxonomies" WHERE "taxonom
ies"."type" IN ('Location') AND "taxonomies"."id" = 4 ORDER BY title LIMIT 1
09:52:18 [app] [D] Setting current location thread-local variable to LOC
09:52:18 [sql] [D]    AuthSource Load (0.3ms)  SELECT "auth_sources".* FROM "auth_sources" WHERE "a
uth_sources"."id" = 3 LIMIT 1
09:52:18 [sql] [D]    (0.2ms)  SELECT id FROM "taxonomies" WHERE "taxonomies"."type" IN ('Location
') LIMIT 1
09:52:18 [sql] [D]    (0.2ms)  SELECT id FROM "taxonomies" WHERE "taxonomies"."type" IN ('Organiza
tion') LIMIT 1
09:52:18 [sql] [D]    Puppetclass Load (0.2ms)  SELECT "puppetclasses".* FROM "puppetclasses" ORDER
 BY puppetclasses.name LIMIT 1
09:52:18 [sql] [D]    (0.2ms)  SHOW max_identifier_length
09:52:19 [sql] [D]    Puppetclass Load (123.5ms)  SELECT DISTINCT "puppetclasses".id, puppetclasses
.name AS alias_0 FROM "puppetclasses" LEFT OUTER JOIN "environment_classes" ON "environment_classe
s"."puppetclass_id" = "puppetclasses"."id" LEFT OUTER JOIN "environments" ON "environments"."id" =
 "environment_classes"."environment_id" LEFT OUTER JOIN "hostgroup_classes" ON "hostgroup_classes"
."puppetclass_id" = "puppetclasses"."id" LEFT OUTER JOIN "hostgroups" ON "hostgroups"."id" = "host
group_classes"."hostgroup_id" LEFT OUTER JOIN "config_group_classes" ON "config_group_classes"."pu
ppetclass_id" = "puppetclasses"."id" LEFT OUTER JOIN "config_groups" ON "config_groups"."id" = "co
nfig_group_classes"."config_group_id" LEFT OUTER JOIN "config_group_classes" "config_group_classes
_puppetclasses" ON "config_group_classes_puppetclasses"."puppetclass_id" = "puppetclasses"."id" LE
FT OUTER JOIN "environment_classes" "environment_classes_puppetclasses_join" ON "environment_class
es_puppetclasses_join"."puppetclass_id" = "puppetclasses"."id" LEFT OUTER JOIN "lookup_keys" ON "l
ookup_keys"."id" = "environment_classes_puppetclasses_join"."lookup_key_id" AND environment_classe
s.lookup_key_id is NOT NULL WHERE (("puppetclasses"."name" ILIKE '%puppet%' OR "environments"."nam
e" ILIKE '%puppet%' OR "hostgroups"."name" ILIKE '%puppet%' OR "config_groups"."name" ILIKE '%pupp
et%')) ORDER BY puppetclasses.name LIMIT 20 OFFSET 0
09:52:36 [sql] [D]    SQL (17149.6ms)  SELECT "puppetclasses"."id" AS t0_r0, "puppetclasses"."name"
 AS t0_r1, "puppetclasses"."created_at" AS t0_r2, "puppetclasses"."updated_at" AS t0_r3, "puppetcl
asses"."total_hosts" AS t0_r4, "puppetclasses"."hostgroups_count" AS t0_r5, "puppetclasses"."globa
l_class_params_count" AS t0_r6, "puppetclasses"."lookup_keys_count" AS t0_r7, "environments"."id"
AS t1_r0, "environments"."name" AS t1_r1, "environments"."created_at" AS t1_r2, "environments"."up
dated_at" AS t1_r3, "environments"."katello_id" AS t1_r4, "environments"."hosts_count" AS t1_r5, "
environments"."hostgroups_count" AS t1_r6, "hostgroups"."id" AS t2_r0, "hostgroups"."name" AS t2_r
1, "hostgroups"."created_at" AS t2_r2, "hostgroups"."updated_at" AS t2_r3, "hostgroups"."environme
nt_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, "hostg
roups"."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"."realm_id" AS t2_r19, "hostgrou
ps"."compute_profile_id" AS t2_r20, "hostgroups"."content_source_id" AS t2_r21, "hostgroups"."grub
_pass" AS t2_r22, "hostgroups"."content_view_id" AS t2_r23, "hostgroups"."lifecycle_environment_id
" AS t2_r24, "config_groups"."id" AS t3_r0, "config_groups"."name" AS t3_r1, "config_groups"."crea
ted_at" AS t3_r2, "config_groups"."updated_at" AS t3_r3, "config_groups"."hosts_count" AS t3_r4, "
config_groups"."hostgroups_count" AS t3_r5, "config_groups"."config_group_classes_count" AS t3_r6,
 "config_group_classes_puppetclasses"."id" AS t4_r0, "config_group_classes_puppetclasses"."puppetc
lass_id" AS t4_r1, "config_group_classes_puppetclasses"."config_group_id" AS t4_r2, "config_group_
classes_puppetclasses"."created_at" AS t4_r3, "config_group_classes_puppetclasses"."updated_at" AS
 t4_r4, "lookup_keys"."id" AS t5_r0, "lookup_keys"."key" AS t5_r1, "lookup_keys"."created_at" AS t
5_r2, "lookup_keys"."updated_at" AS t5_r3, "lookup_keys"."puppetclass_id" AS t5_r4, "lookup_keys".
"default_value" AS t5_r5, "lookup_keys"."path" AS t5_r6, "lookup_keys"."description" AS t5_r7, "lo
okup_keys"."validator_type" AS t5_r8, "lookup_keys"."validator_rule" AS t5_r9, "lookup_keys"."is_p
aram" AS t5_r10, "lookup_keys"."key_type" AS t5_r11, "lookup_keys"."override" AS t5_r12, "lookup_k
eys"."required" AS t5_r13, "lookup_keys"."lookup_values_count" AS t5_r14, "lookup_keys"."merge_ove
rrides" AS t5_r15, "lookup_keys"."avoid_duplicates" AS t5_r16, "lookup_keys"."use_puppet_default"
AS t5_r17 FROM "puppetclasses" LEFT OUTER JOIN "environment_classes" ON "environment_classes"."pup
petclass_id" = "puppetclasses"."id" LEFT OUTER JOIN "environments" ON "environments"."id" = "envir
onment_classes"."environment_id" LEFT OUTER JOIN "hostgroup_classes" ON "hostgroup_classes"."puppe
tclass_id" = "puppetclasses"."id" LEFT OUTER JOIN "hostgroups" ON "hostgroups"."id" = "hostgroup_c
lasses"."hostgroup_id" LEFT OUTER JOIN "config_group_classes" ON "config_group_classes"."puppetcla
ss_id" = "puppetclasses"."id" LEFT OUTER JOIN "config_groups" ON "config_groups"."id" = "config_gr
oup_classes"."config_group_id" LEFT OUTER JOIN "config_group_classes" "config_group_classes_puppet
classes" ON "config_group_classes_puppetclasses"."puppetclass_id" = "puppetclasses"."id" LEFT OUTE
R JOIN "environment_classes" "environment_classes_puppetclasses_join" ON "environment_classes_pupp
etclasses_join"."puppetclass_id" = "puppetclasses"."id" LEFT OUTER JOIN "lookup_keys" ON "lookup_k
eys"."id" = "environment_classes_puppetclasses_join"."lookup_key_id" AND environment_classes.looku
p_key_id is NOT NULL WHERE "puppetclasses"."id" IN (146, 141, 142, 143, 144, 145, 147, 148, 149, 1
50, 151, 152, 153) AND (("puppetclasses"."name" ILIKE '%puppet%' OR "environments"."name" ILIKE '%
puppet%' OR "hostgroups"."name" ILIKE '%puppet%' OR "config_groups"."name" ILIKE '%puppet%')) ORDE
R BY puppetclasses.name
09:54:28 [foreman-tasks/dynflow] [I] start terminating client dispatcher...
09:54:28 [foreman-tasks/dynflow] [I] stop listening for new events...
09:54:28 [foreman-tasks/dynflow] [I] start terminating clock...
09:54:29 [foreman-tasks/dynflow] [I] start terminating client dispatcher...
09:54:29 [foreman-tasks/dynflow] [I] stop listening for new events...
09:54:29 [foreman-tasks/dynflow] [I] start terminating clock...
09:59:58 [sql] [D]    (0.8ms)  SELECT DISTINCT hostgroup_id FROM "hostgroup_classes" WHERE "hostgr
oup_classes"."puppetclass_id" IN (146, 141, 142, 143, 144, 145, 147, 148, 149, 150, 151, 152, 153)
09:59:58 [sql] [D]   Taxonomy Load (0.3ms)  SELECT id FROM "taxonomies" WHERE (taxonomies.id = 4 o
r taxonomies.ancestry like '4/%' or taxonomies.ancestry = '4') ORDER BY title
09:59:58 [sql] [D]    (0.4ms)  SELECT DISTINCT taxable_id FROM "taxable_taxonomies" WHERE "taxable
_taxonomies"."taxable_type" = 'SmartProxy' AND "taxable_taxonomies"."taxonomy_id" IN (4, 6, 7, 8)
09:59:58 [sql] [D]   Taxonomy Load (0.2ms)  SELECT id FROM "taxonomies" WHERE (taxonomies.id = 3 o
r taxonomies.ancestry like '3/%' or taxonomies.ancestry = '3') ORDER BY title
09:59:58 [sql] [D]    (0.3ms)  SELECT DISTINCT taxable_id FROM "taxable_taxonomies" WHERE "taxable
_taxonomies"."taxable_type" = 'SmartProxy' AND "taxable_taxonomies"."taxonomy_id" IN (3)
09:59:58 [sql] [D]   CACHE (0.0ms)  SELECT id FROM "taxonomies" WHERE (taxonomies.id = 4 or taxono
mies.ancestry like '4/%' or taxonomies.ancestry = '4') ORDER BY title
09:59:58 [sql] [D]   CACHE (0.0ms)  SELECT DISTINCT taxable_id FROM "taxable_taxonomies" WHERE "ta
xable_taxonomies"."taxable_type" = 'SmartProxy' AND "taxable_taxonomies"."taxonomy_id" IN (4, 6, 7
, 8)
09:59:58 [sql] [D]   CACHE (0.0ms)  SELECT id FROM "taxonomies" WHERE (taxonomies.id = 3 or taxono
mies.ancestry like '3/%' or taxonomies.ancestry = '3') ORDER BY title
09:59:58 [sql] [D]   CACHE (0.0ms)  SELECT DISTINCT taxable_id FROM "taxable_taxonomies" WHERE "ta
xable_taxonomies"."taxable_type" = 'SmartProxy' AND "taxable_taxonomies"."taxonomy_id" IN (3)
09:59:58 [sql] [D]   SmartProxy Load (0.5ms)  SELECT "smart_proxies".* FROM "smart_proxies" INNER
JOIN "features_smart_proxies" ON "features_smart_proxies"."smart_proxy_id" = "smart_proxies"."id"
INNER JOIN "features" ON "features"."id" = "features_smart_proxies"."feature_id" WHERE "smart_prox
ies"."id" IN (2, 1, 3) AND "features"."name" IN ('Puppet') ORDER BY smart_proxies.name
09:59:58 [sql] [D]   Hostgroup Load (0.4ms)  SELECT "hostgroups".* FROM "hostgroups" WHERE "hostgr
oups"."id" IN (1)
09:59:58 [sql] [D]   Hostgroup Load (0.3ms)  SELECT "hostgroups".* FROM "hostgroups" WHERE "hostgr
oups"."id" IN (NULL)
09:59:58 [sql] [D]   CACHE (0.0ms)  SELECT "hostgroups".* FROM "hostgroups" WHERE "hostgroups"."id
" IN (NULL)
```

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09:59:58 [sql] [D]   CACHE (0.0ms)  SELECT "hostgroups".* FROM "hostgroups" WHERE "hostgroups"."id
" IN (NULL)
09:59:58 [sql] [D]   CACHE (0.0ms)  SELECT "hostgroups".* FROM "hostgroups" WHERE "hostgroups"."id
" IN (NULL)
09:59:58 [sql] [D]   CACHE (0.0ms)  SELECT "hostgroups".* FROM "hostgroups" WHERE "hostgroups"."id
" IN (NULL)
09:59:58 [sql] [D]   CACHE (0.0ms)  SELECT "hostgroups".* FROM "hostgroups" WHERE "hostgroups"."id
" IN (NULL)
09:59:58 [sql] [D]   CACHE (0.0ms)  SELECT "hostgroups".* FROM "hostgroups" WHERE "hostgroups"."id
" IN (NULL)
09:59:58 [sql] [D]   CACHE (0.0ms)  SELECT "hostgroups".* FROM "hostgroups" WHERE "hostgroups"."id
" IN (NULL)
09:59:58 [sql] [D]   CACHE (0.0ms)  SELECT "hostgroups".* FROM "hostgroups" WHERE "hostgroups"."id
" IN (NULL)
09:59:58 [sql] [D]   CACHE (0.0ms)  SELECT "hostgroups".* FROM "hostgroups" WHERE "hostgroups"."id
" IN (NULL)
09:59:58 [sql] [D]   CACHE (0.0ms)  SELECT "hostgroups".* FROM "hostgroups" WHERE "hostgroups"."id
" IN (NULL)
09:59:58 [sql] [D]   CACHE (0.0ms)  SELECT "hostgroups".* FROM "hostgroLOC" WHERE "hostgroups"."id
" IN (NULL)
09:59:58 [app] [I]   Rendered puppetclasses/index.html.erb within layouts/application (71.0ms)
09:59:58 [sql] [D]   Bookmark Load (0.5ms)  SELECT "bookmarks".* FROM "bookmarks" WHERE (((bookmar
ks.public = 't') OR (bookmarks.owner_id = 4 AND bookmarks.owner_type = 'User'))) AND (controller =
 'puppetclasses') ORDER BY name
09:59:58 [app] [I]   Rendered common/_searchbar.html.erb (4.8ms)
09:59:58 [app] [I]   Rendered home/_user_dropdown.html.erb (2.3ms)
09:59:58 [app] [I] Read fragment views/tabs_and_title_records-4 (0.1ms)
09:59:58 [app] [I]   Rendered home/_topbar.html.erb (3.7ms)
09:59:58 [app] [I]   Rendered layouts/base.html.erb (5.7ms)
09:59:58 [app] [I] Completed 200 OK in 459352ms (Views: 81.2ms | ActiveRecord: 17280.6ms)
```

Related issues:

Related to Foreman - Bug #16483: Searching for Puppetclass by config_group or...	**Closed**	**09/08/2016**

Associated revisions

Revision c3f54762 - 10/14/2015 07:05 AM - Kamjar Gerami

fixes #11881 - Searching for "puppet" in Puppet Classes takes long - Set only_explicit to host and config groups definitions in puppetclasses

Revision a01dffb5 - 10/28/2015 11:18 AM - Kamjar Gerami

fixes #11881 - Searching for "puppet" in Puppet Classes takes long - Set only_explicit to host and config groups definitions in puppetclasses

(cherry picked from commit c3f54762bc2f5f17c98831b8afb1277ae4be9d2e)

History

#1 - 09/18/2015 04:19 AM - Dominic Cleal

It appears to be doing a free text search over these fields:

```
(("puppetclasses"."name" ILIKE '%puppet%' OR "environments"."name" ILIKE '%puppet%' OR "hostgroups"."name" ILI
KE '%puppet%' OR "config_groups"."name" ILIKE '%puppet%'))
```

I don't think host groups or config group names are particularly relevant on this page, so we should probably set only_explicit on these definitions.

Parameter names were excluded back in #4565.

#2 - 10/13/2015 06:10 PM - The Foreman Bot

- Status changed from New to Ready For Testing

- Pull request https://github.com/theforeman/foreman/pull/2816 added

- Pull request deleted ()

#3 - 10/14/2015 07:06 AM - Dominic Cleal

- translation missing: en.field_release set to 63

#4 - 10/14/2015 08:01 AM - Kamjar Gerami

- Status changed from Ready For Testing to Closed

- % Done changed from 0 to 100

Applied in changeset [c3f54762bc2f5f17c98831b8afb1277ae4be9d2e](#).

#5 - 09/08/2016 04:22 AM - Dominic Cleal

- Related to Bug #16483: Searching for Puppetclass by config_group or hostgroup is broken added