Foreman - Bug #12959

Host search based on fact value using LIKE clause does'nt work

12/30/2015 11:35 AM - Brice Sauvajon

Status:	Closed		
Priority:	High		
Assignee:	Dominic Cleal		
Category:	Search		
Target version:	1.10.1		
Difficulty:		**Fixed in Releases:**	
Triaged:		**Found in Releases:**	1.10.0
Bugzilla link:		**Red Hat JIRA:**	
Pull request:	https://github.com/theforeman/foreman/pull/3026		

Description

Hi,

If I search hosts using a fact value and a ~ it doesn't work as in 1.9.3.

For exemple, if I want to find the hosts having the fact my_fact containing the string fact1 (but can be fact1,fact2,fact3,...), the expression "facts.my_fact ~ fact1" will give me only the hosts for which my_fact is exactly fact1
If I try to use _ or * wildcards it does'nt change anything.
If I use fact1 I've got an error : "too few arguments".
If I call the url "/hosts?format=yaml&rundeck=true&search=+facts.my_fact+~+%25fact1%25" I see an error in the logs :

```
2015-12-30T17:30:47 [app] [I] Started GET "/hosts?format=yaml&rundeck=true&search=+facts.my_fact+~
+%25fact1%25" for 172.16.1.250 at 2015-12-30 17:30:47 +0100
2015-12-30T17:30:47 [app] [I] Processing by HostsController#index as YAML
2015-12-30T17:30:47 [app] [I]   Parameters: {"rundeck"=>"true", "search"=>" facts.my_fact ~ %fact1
%"}
2015-12-30T17:30:47 [app] [W] Action failed
 | ArgumentError: too few arguments
 | /usr/share/foreman/vendor/ruby/2.1.0/gems/fast_gettext-0.9.2/lib/fast_gettext/vendor/string.rb:
70:in `%'
 | /usr/share/foreman/vendor/ruby/2.1.0/gems/fast_gettext-0.9.2/lib/fast_gettext/vendor/string.rb:
70:in `%'
 | /usr/share/foreman/vendor/ruby/2.1.0/gems/activerecord-3.2.21/lib/active_record/sanitization.rb
:121:in `sanitize_sql_array'
 | /usr/share/foreman/vendor/ruby/2.1.0/gems/activerecord-3.2.21/lib/active_record/sanitization.rb
:28:in `sanitize_sql_for_conditions'
 | /usr/share/foreman/vendor/ruby/2.1.0/gems/activerecord-3.2.21/lib/active_record/relation/query_
methods.rb:324:in `build_where'
 | /usr/share/foreman/vendor/ruby/2.1.0/gems/activerecord-3.2.21/lib/active_record/relation/query_
methods.rb:136:in `where'
 | /usr/share/foreman/vendor/ruby/2.1.0/gems/scoped_search-3.2.2/lib/scoped_search/definition.rb:2
56:in `block in register_named_scope!'
 | /usr/share/foreman/vendor/ruby/2.1.0/gems/activerecord-3.2.21/lib/active_record/scoping/named.r
b:178:in `call'
 | /usr/share/foreman/vendor/ruby/2.1.0/gems/activerecord-3.2.21/lib/active_record/scoping/named.r
b:178:in `block (2 levels) in scope'
 | /usr/share/foreman/vendor/ruby/2.1.0/gems/activerecord-3.2.21/lib/active_record/scoping/default
.rb:41:in `block in unscoped'
 | /usr/share/foreman/vendor/ruby/2.1.0/gems/activerecord-3.2.21/lib/active_record/relation.rb:241
:in `block in scoping'
 | /usr/share/foreman/vendor/ruby/2.1.0/gems/activerecord-3.2.21/lib/active_record/scoping.rb:98:i
n `with_scope'
 | /usr/share/foreman/vendor/ruby/2.1.0/gems/activerecord-3.2.21/lib/active_record/relation.rb:241
:in `scoping'
 | /usr/share/foreman/vendor/ruby/2.1.0/gems/activerecord-3.2.21/lib/active_record/scoping/default
.rb:41:in `unscoped'
```

```
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activerecord-3.2.21/lib/active_record/scoping/named.r
b:178:in `block in scope'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activerecord-3.2.21/lib/active_record/relation/delega
tion.rb:14:in `block in search_for'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activerecord-3.2.21/lib/active_record/relation.rb:241
:in `block in scoping'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activerecord-3.2.21/lib/active_record/scoping.rb:98:i
n `with_scope'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activerecord-3.2.21/lib/active_record/relation.rb:241
:in `scoping'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activerecord-3.2.21/lib/active_record/relation/delega
tion.rb:14:in `search_for'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/foreman_host_rundeck-0.0.2/app/controllers/concerns/f
oreman_host_rundeck/hosts_controller_extensions.rb:13:in `index_with_rundeck'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/actionpack-3.2.21/lib/action_controller/metal/implici
t_render.rb:4:in `send_action'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/actionpack-3.2.21/lib/abstract_controller/base.rb:167
:in `process_action'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/actionpack-3.2.21/lib/action_controller/metal/renderi
ng.rb:10:in `process_action'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/actionpack-3.2.21/lib/abstract_controller/callbacks.r
b:18:in `block in process_action'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:
649:in `block (4 levels) in _run__2499070075575149213__process_action__4570805294882249613__callba
cks'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:
215:in `block in _conditional_callback_around_8158'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:
326:in `around'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:
310:in `_callback_around_2510'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:
214:in `_conditional_callback_around_8158'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:
637:in `block (3 levels) in _run__2499070075575149213__process_action__4570805294882249613__callba
cks'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:
215:in `block in _conditional_callback_around_8157'
| /usr/share/foreman/app/controllers/concerns/application_shared.rb:13:in `set_timezone'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:
214:in `_conditional_callback_around_8157'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:
636:in `block (2 levels) in _run__2499070075575149213__process_action__4570805294882249613__callba
cks'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:
215:in `block in _conditional_callback_around_8156'
| /usr/share/foreman/app/models/concerns/foreman/thread_session.rb:32:in `clear_thread'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:
214:in `_conditional_callback_around_8156'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:
448:in `block in _run__2499070075575149213__process_action__4570805294882249613__callbacks'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:
215:in `block in _conditional_callback_around_8155'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:
326:in `around'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:
310:in `_callback_around_13'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:
214:in `_conditional_callback_around_8155'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:
414:in `_run__2499070075575149213__process_action__4570805294882249613__callbacks'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:
405:in `__run_callback'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:
385:in `_run_process_action_callbacks'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:
81:in `run_callbacks'
```

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| /usr/share/foreman/vendor/ruby/2.1.0/gems/actionpack-3.2.21/lib/abstract_controller/callbacks.r
b:17:in `process_action'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/actionpack-3.2.21/lib/action_controller/metal/rescue.
rb:29:in `process_action'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/actionpack-3.2.21/lib/action_controller/metal/instrum
entation.rb:30:in `block in process_action'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activesupport-3.2.21/lib/active_support/notifications
.rb:123:in `block in instrument'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activesupport-3.2.21/lib/active_support/notifications
/instrumenter.rb:20:in `instrument'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activesupport-3.2.21/lib/active_support/notifications
.rb:123:in `instrument'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/actionpack-3.2.21/lib/action_controller/metal/instrum
entation.rb:29:in `process_action'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/actionpack-3.2.21/lib/action_controller/metal/params_
wrapper.rb:207:in `process_action'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activerecord-3.2.21/lib/active_record/railties/contro
ller_runtime.rb:18:in `process_action'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/actionpack-3.2.21/lib/abstract_controller/base.rb:121
:in `process'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/actionpack-3.2.21/lib/abstract_controller/rendering.r
b:45:in `process'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/actionpack-3.2.21/lib/action_controller/metal.rb:203:
in `dispatch'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/actionpack-3.2.21/lib/action_controller/metal/rack_de
legation.rb:14:in `dispatch'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/actionpack-3.2.21/lib/action_controller/metal.rb:246:
in `block in action'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/actionpack-3.2.21/lib/action_dispatch/routing/route_s
et.rb:73:in `call'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/actionpack-3.2.21/lib/action_dispatch/routing/route_s
et.rb:73:in `dispatch'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/actionpack-3.2.21/lib/action_dispatch/routing/route_s
et.rb:36:in `call'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/journey-1.0.4/lib/journey/router.rb:68:in `block in c
all'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/journey-1.0.4/lib/journey/router.rb:56:in `each'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/journey-1.0.4/lib/journey/router.rb:56:in `call'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/actionpack-3.2.21/lib/action_dispatch/routing/route_s
et.rb:608:in `call'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/apipie-rails-0.2.6/lib/apipie/static_dispatcher.rb:65
:in `call'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/apipie-rails-0.2.6/lib/apipie/extractor/recorder.rb:9
7:in `call'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/apipie-rails-0.2.6/lib/apipie/middleware/checksum_in_
headers.rb:27:in `call'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/actionpack-3.2.21/lib/action_dispatch/middleware/best
_standards_support.rb:17:in `call'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/rack-1.4.7/lib/rack/etag.rb:23:in `call'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/rack-1.4.7/lib/rack/conditionalget.rb:25:in `call'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/actionpack-3.2.21/lib/action_dispatch/middleware/head
.rb:14:in `call'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/actionpack-3.2.21/lib/action_dispatch/middleware/para
ms_parser.rb:21:in `call'
| /usr/share/foreman/lib/middleware/catch_json_parse_errors.rb:9:in `call'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/actionpack-3.2.21/lib/action_dispatch/middleware/flas
h.rb:242:in `call'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/rack-1.4.7/lib/rack/session/abstract/id.rb:210:in `co
ntext'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/rack-1.4.7/lib/rack/session/abstract/id.rb:205:in `ca
ll'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/actionpack-3.2.21/lib/action_dispatch/middleware/cook
ies.rb:341:in `call'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activerecord-3.2.21/lib/active_record/query_cache.rb:
64:in `call'
| /usr/share/foreman/vendor/ruby/2.1.0/gems/activerecord-3.2.21/lib/active_record/connection_adap
ters/abstract/connection_pool.rb:479:in `call'
```

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  | /usr/share/foreman/vendor/ruby/2.1.0/gems/actionpack-3.2.21/lib/action_dispatch/middleware/call
backs.rb:28:in `block in call'
  | /usr/share/foreman/vendor/ruby/2.1.0/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:
405:in `_run__640040847829197367__call__791296085174225863__callbacks'
  | /usr/share/foreman/vendor/ruby/2.1.0/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:
405:in `__run_callback'
  | /usr/share/foreman/vendor/ruby/2.1.0/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:
385:in `_run_call_callbacks'
  | /usr/share/foreman/vendor/ruby/2.1.0/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:
81:in `run_callbacks'
  | /usr/share/foreman/vendor/ruby/2.1.0/gems/actionpack-3.2.21/lib/action_dispatch/middleware/call
backs.rb:27:in `call'
  | /usr/share/foreman/vendor/ruby/2.1.0/gems/actionpack-3.2.21/lib/action_dispatch/middleware/remo
te_ip.rb:31:in `call'
  | /usr/share/foreman/vendor/ruby/2.1.0/gems/actionpack-3.2.21/lib/action_dispatch/middleware/debu
g_exceptions.rb:16:in `call'
  | /usr/share/foreman/vendor/ruby/2.1.0/gems/actionpack-3.2.21/lib/action_dispatch/middleware/show
_exceptions.rb:56:in `call'
  | /usr/share/foreman/vendor/ruby/2.1.0/gems/railties-3.2.21/lib/rails/rack/logger.rb:32:in `call_
app'
  | /usr/share/foreman/vendor/ruby/2.1.0/gems/railties-3.2.21/lib/rails/rack/logger.rb:18:in `call'
  | /usr/share/foreman/vendor/ruby/2.1.0/gems/actionpack-3.2.21/lib/action_dispatch/middleware/requ
est_id.rb:22:in `call'
  | /usr/share/foreman/vendor/ruby/2.1.0/gems/rack-1.4.7/lib/rack/methodoverride.rb:21:in `call'
  | /usr/share/foreman/vendor/ruby/2.1.0/gems/rack-1.4.7/lib/rack/runtime.rb:17:in `call'
  | /usr/share/foreman/vendor/ruby/2.1.0/gems/activesupport-3.2.21/lib/active_support/cache/strateg
y/local_cache.rb:72:in `call'
  | /usr/share/foreman/vendor/ruby/2.1.0/gems/rack-1.4.7/lib/rack/lock.rb:15:in `call'
  | /usr/share/foreman/vendor/ruby/2.1.0/gems/actionpack-3.2.21/lib/action_dispatch/middleware/stat
ic.rb:83:in `call'
  | /usr/share/foreman/vendor/ruby/2.1.0/gems/rack-cache-1.2/lib/rack/cache/context.rb:136:in `forw
ard'
  | /usr/share/foreman/vendor/ruby/2.1.0/gems/rack-cache-1.2/lib/rack/cache/context.rb:245:in `fetc
h'
  | /usr/share/foreman/vendor/ruby/2.1.0/gems/rack-cache-1.2/lib/rack/cache/context.rb:185:in `look
up'
  | /usr/share/foreman/vendor/ruby/2.1.0/gems/rack-cache-1.2/lib/rack/cache/context.rb:66:in `call!
'
  | /usr/share/foreman/vendor/ruby/2.1.0/gems/rack-cache-1.2/lib/rack/cache/context.rb:51:in `call'
  | /usr/share/foreman/vendor/ruby/2.1.0/gems/railties-3.2.21/lib/rails/engine.rb:484:in `call'
  | /usr/share/foreman/vendor/ruby/2.1.0/gems/railties-3.2.21/lib/rails/application.rb:231:in `call
'
  | /usr/share/foreman/vendor/ruby/2.1.0/gems/railties-3.2.21/lib/rails/railtie/configurable.rb:30:
in `method_missing'
  | /usr/share/foreman/vendor/ruby/2.1.0/gems/rack-1.4.7/lib/rack/builder.rb:134:in `call'
  | /usr/share/foreman/vendor/ruby/2.1.0/gems/rack-1.4.7/lib/rack/urlmap.rb:64:in `block in call'
  | /usr/share/foreman/vendor/ruby/2.1.0/gems/rack-1.4.7/lib/rack/urlmap.rb:49:in `each'
  | /usr/share/foreman/vendor/ruby/2.1.0/gems/rack-1.4.7/lib/rack/urlmap.rb:49:in `call'
  | /usr/lib/ruby/vendor_ruby/phusion_passenger/rack/thread_handler_extension.rb:74:in `process_req
uest'
  | /usr/lib/ruby/vendor_ruby/phusion_passenger/request_handler/thread_handler.rb:141:in `accept_an
d_process_next_request'
  | /usr/lib/ruby/vendor_ruby/phusion_passenger/request_handler/thread_handler.rb:109:in `main_loop
'
  | /usr/lib/ruby/vendor_ruby/phusion_passenger/request_handler.rb:455:in `block (3 levels) in star
t_threads'
  | /usr/share/foreman/vendor/ruby/2.1.0/gems/logging-2.0.0/lib/logging/diagnostic_context.rb:448:i
n `call'
  | /usr/share/foreman/vendor/ruby/2.1.0/gems/logging-2.0.0/lib/logging/diagnostic_context.rb:448:i
n `block in create_with_logging_context'
2015-12-30T17:30:47 [app] [I] Completed 500 Internal Server Error in 9.3ms
```

That's a big problem for us as we use this feature to add hosts to our rundeck projects. As it doesn't work, rundeck projects don't have any nodes now.

Related issues:

Related to Foreman - Feature #11150: Allow searching of facts as types other ...   **Closed**   07/19/2015

Related to Foreman - Bug #13035: Host fact search using ~ operator doesn't au...	**Duplicate**	**01/07/2016**

Associated revisions

Revision 1e12a718 - 01/12/2016 05:01 AM - Dominic Cleal

fixes #12959 - escape % in fact search values, auto-add wildcards

When constructing fact search SQL queries with values containing
percent symbols (for LIKE queries), the symbols must be escaped as the
SQL conditions are later sanitised by Rails, which passes them through
the string formatter with any placeholder values from scoped_search.

Secondly, when using a LIKE search query without any wildcards,
previously a wildcard at the start and end would be added to match the
value anywhere. This behaviour has been restored.

Revision 0deff0ee - 01/19/2016 09:18 AM - Dominic Cleal

fixes #12959 - escape % in fact search values, auto-add wildcards

When constructing fact search SQL queries with values containing
percent symbols (for LIKE queries), the symbols must be escaped as the
SQL conditions are later sanitised by Rails, which passes them through
the string formatter with any placeholder values from scoped_search.

Secondly, when using a LIKE search query without any wildcards,
previously a wildcard at the start and end would be added to match the
value anywhere. This behaviour has been restored.

(cherry picked from commit 1e12a718c17d9c2b0c65455e96102e7b4c2925a6)

History

#1 - 01/04/2016 03:25 AM - Dominic Cleal

- Category set to Search

Can you confirm which release(s) you're using? Are you saying it worked in 1.9.3 and now you're using 1.10.0 and it isn't?

#2 - 01/04/2016 03:28 AM - Brice Sauvajon

Yes, that's it, it worked on 1.9.3 and it's broken since the upgrade to 1.10.0

#3 - 01/04/2016 03:32 AM - Dominic Cleal

- Related to Feature #11150: Allow searching of facts as types other than string added

#4 - 01/04/2016 03:32 AM - Dominic Cleal

- translation missing: en.field_release set to 104

#5 - 01/07/2016 04:33 AM - Dominic Cleal

- Status changed from New to Assigned

- Assignee set to Dominic Cleal

#6 - 01/07/2016 05:11 AM - The Foreman Bot

- Status changed from Assigned to Ready For Testing

- Pull request https://github.com/theforeman/foreman/pull/3026 added

#7 - 01/07/2016 05:19 AM - Dominic Cleal

- Related to Bug #13035: Host fact search using ~ operator doesn't automatically add wildcards added

#8 - 01/12/2016 06:03 AM - Dominic Cleal

- Status changed from Ready For Testing to Closed

- % Done changed from 0 to 100

Applied in changeset 1e12a718c17d9c2b0c65455e96102e7b4c2925a6.