

## Foreman - Bug #23593

function "host\_param" in default value of smart class parameter is not allowed anymore. It results in undefined method `host\_param' (erb):1:in `parse\_string'

05/15/2018 07:28 AM - Axel Hahn

<b>Status:</b>	Duplicate	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	Templates	
<b>Target version:</b>	1.18.2	
<b>Difficulty:</b>		<b>Fixed in Releases:</b>
<b>Triaged:</b>	Yes	<b>Found in Releases:</b> 1.17.0
<b>Bugzilla link:</b>		<b>Red Hat JIRA:</b>
<b>Pull request:</b>		

### Description

We upgraded from foreman 1.16 to 1.17. (We saw the issue [#23581](#) too).

In 1.16 we used erb templating in default values of smart class parameters. Example:

[https://foreman/api/smart\\_class\\_parameters/3308](https://foreman/api/smart_class_parameters/3308) - see "default\_value" in last line of the output snippet:

```
description ""
override true
parameter_type "string"
hidden_value? false
omit false
required false
validator_type ""
validator_rule null
merge_overrides false
merge_default false
avoid_duplicates false
override_value_order "fqdn\ndomain"
created_at "2016-11-18 13:09:14 UTC"
updated_at "2018-05-14 13:07:08 UTC"
use_puppet_default false
puppetclass_name "collectd::plugin::amqp"
parameter "amqphost"
id 3308
puppetclass_id 605
override_values_count 1
default_value "<%= host_param('graphite_rabbitmq_server') %>"
(...)
```

It is possible to edit and save/ submit the smart class param as a string with the erb templating in the web gui. The backend works fine.

Clicking on button YAML in a host detail ([https://foreman/hosts/\[host\]/externalNodes?name=\[host\]](https://foreman/hosts/[host]/externalNodes?name=[host])) on screen appears "Unable to generate output, Check log files".

... and in the log: | NoMethodError: undefined method `host\_param' for #<SafeRender:0x007f78426437c0> | Did you mean? to\_param | (erb):1:in `parse\_string'

If I change the default value to a normal string The Yaml parsing continues (= stops on another error I need to figure out later). Maybe it is an erb templating error missing foreman function in the environment while parsing or maybe there an additional option I need to activate?!

My environment:

- Foreman runs on CentOS 7.5.1804
- option safemode\_render is set to false

- settings -> puppet -> Enable smart variables in ENC: true
- settings -> puppet -> Parameterised classes in ENC: true  
(tell me what else you would need)

#### production.log:

```

2018-05-14 09:43:24 8de7ab7f [app] [I] Processing by HostsController#externalNodes as HTML
2018-05-14 09:43:24 8de7ab7f [app] [I] Parameters: {"name"=>"[host]", "id"=>"[host]"}
2018-05-14 09:43:24 8de7ab7f [app] [I] Current user: foreman_api_admin (administrator)
2018-05-14 09:43:26 8de7ab7f [app] [W] Failed to generate external nodes for [host]
| NoMethodError: undefined method `host_param' for #<SafeRender:0x007f78426437c0>
| Did you mean? to_param
| (erb):1:in `parse_string'
| /opt/rh/rh-ruby24/root/usr/share/ruby/erb.rb:896:in `eval'
| /opt/rh/rh-ruby24/root/usr/share/ruby/erb.rb:896:in `result'
| /usr/share/foreman/app/services/safe_render.rb:39:in `parse_string'
| /usr/share/foreman/app/services/safe_render.rb:18:in `parse'
| /usr/share/foreman/app/services/classification/classification_result.rb:24:in `[]'
| /usr/share/foreman/app/models/host_info_providers/puppet_info.rb:96:in `block in smart_class_pa
rams_for'
| /usr/share/foreman/app/models/host_info_providers/puppet_info.rb:95:in `each'
| /usr/share/foreman/app/models/host_info_providers/puppet_info.rb:95:in `smart_class_params_for'
| /usr/share/foreman/app/models/host_info_providers/puppet_info.rb:25:in `block in puppetclass_pa
rameters'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/relatio
n/delegation.rb:39:in `each'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/relatio
n/delegation.rb:39:in `each'
| /usr/share/foreman/app/models/host_info_providers/puppet_info.rb:24:in `puppetclass_parameters'
| /usr/share/foreman/app/models/host_info_providers/puppet_info.rb:87:in `classes_info_hash'
| /usr/share/foreman/app/models/host_info_providers/puppet_info.rb:11:in `host_info'
| /usr/share/foreman/app/models/concerns/host_info_extensions.rb:29:in `block in info'
| /usr/share/foreman/app/models/concerns/host_info_extensions.rb:27:in `each'
| /usr/share/foreman/app/models/concerns/host_info_extensions.rb:27:in `info'
| /usr/share/foreman/app/controllers/hosts_controller.rb:206:in `block in externalNodes'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionpack-5.1.4/lib/action_controller/metal
/mime_responds.rb:195:in `respond_to'
| /usr/share/foreman/app/controllers/hosts_controller.rb:204:in `externalNodes'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionpack-5.1.4/lib/action_controller/metal
/basic_implicit_render.rb:4:in `send_action'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionpack-5.1.4/lib/abstract_controller/bas
e.rb:186:in `process_action'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionpack-5.1.4/lib/action_controller/metal
/rendering.rb:30:in `process_action'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionpack-5.1.4/lib/abstract_controller/cal
lbacks.rb:20:in `block in process_action'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activesupport-5.1.4/lib/active_support/callb
acks.rb:108:in `block in run_callbacks'
| /usr/share/foreman/app/controllers/concerns/application_shared.rb:15:in `set_timezone'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activesupport-5.1.4/lib/active_support/callb
acks.rb:117:in `block in run_callbacks'
| /usr/share/foreman/app/models/concerns/foreman/thread_session.rb:32:in `clear_thread'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activesupport-5.1.4/lib/active_support/callb
acks.rb:117:in `block in run_callbacks'
| /usr/share/foreman/app/controllers/concerns/foreman/controller/topbar_sweeper.rb:12:in `set_top
bar_sweeper_controller'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activesupport-5.1.4/lib/active_support/callb
acks.rb:117:in `block in run_callbacks'
| /opt/theforeman/tfm/root/usr/share/gems/gems/audited-4.4.1/lib/audited/sweeper.rb:14:in `around
'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activesupport-5.1.4/lib/active_support/callb
acks.rb:117:in `block in run_callbacks'
| /opt/theforeman/tfm/root/usr/share/gems/gems/audited-4.4.1/lib/audited/sweeper.rb:14:in `around
'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activesupport-5.1.4/lib/active_support/callb
acks.rb:117:in `block in run_callbacks'

```

```
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activesupport-5.1.4/lib/active_support/callb
acks.rb:135:in `run_callbacks'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionpack-5.1.4/lib/abstract_controller/cal
lbacks.rb:19:in `process_action'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionpack-5.1.4/lib/action_controller/metal
/rescue.rb:20:in `process_action'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionpack-5.1.4/lib/action_controller/metal
/instrumentation.rb:32:in `block in process_action'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activesupport-5.1.4/lib/active_support/notif
ications.rb:166:in `block in instrument'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activesupport-5.1.4/lib/active_support/notif
ications/instrumenter.rb:21:in `instrument'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activesupport-5.1.4/lib/active_support/notif
ications.rb:166:in `instrument'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionpack-5.1.4/lib/action_controller/metal
/instrumentation.rb:30:in `process_action'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionpack-5.1.4/lib/action_controller/metal
/params_wrapper.rb:252:in `process_action'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/railtie
s/controller_runtime.rb:22:in `process_action'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionpack-5.1.4/lib/abstract_controller/bas
e.rb:124:in `process'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionview-5.1.4/lib/action_view/rendering.r
b:30:in `process'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionpack-5.1.4/lib/action_controller/metal
.rb:189:in `dispatch'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionpack-5.1.4/lib/action_controller/metal
.rb:253:in `dispatch'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionpack-5.1.4/lib/action_dispatch/routing
/route_set.rb:49:in `dispatch'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionpack-5.1.4/lib/action_dispatch/routing
/route_set.rb:31:in `serve'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionpack-5.1.4/lib/action_dispatch/journey
/router.rb:50:in `block in serve'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionpack-5.1.4/lib/action_dispatch/journey
/router.rb:33:in `each'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionpack-5.1.4/lib/action_dispatch/journey
/router.rb:33:in `serve'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionpack-5.1.4/lib/action_dispatch/routing
/route_set.rb:834:in `call'
| /opt/theforeman/tfm/root/usr/share/gems/gems/apipie-rails-0.5.6/lib/apipie/static_dispatcher.rb
:65:in `call'
| /opt/theforeman/tfm/root/usr/share/gems/gems/apipie-rails-0.5.6/lib/apipie/extractor/recorder.r
b:136:in `call'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionpack-5.1.4/lib/action_dispatch/middlew
are/static.rb:125:in `call'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionpack-5.1.4/lib/action_dispatch/middlew
are/static.rb:125:in `call'
| /opt/theforeman/tfm/root/usr/share/gems/gems/apipie-rails-0.5.6/lib/apipie/middleware/checksum_
in_headers.rb:27:in `call'
| /usr/share/foreman/lib/middleware/catch_json_parse_errors.rb:8:in `call'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/rack-2.0.3/lib/rack/etag.rb:25:in `call'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/rack-2.0.3/lib/rack/conditional_get.rb:25:in
`call'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/rack-2.0.3/lib/rack/head.rb:12:in `call'
| /usr/share/foreman/lib/middleware/session_safe_logging.rb:17:in `call'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/rack-2.0.3/lib/rack/session/abstract/id.rb:2
32:in `context'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/rack-2.0.3/lib/rack/session/abstract/id.rb:2
26:in `call'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionpack-5.1.4/lib/action_dispatch/middlew
are/cookies.rb:613:in `call'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionpack-5.1.4/lib/action_dispatch/middlew
are/callbacks.rb:26:in `block in call'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activesupport-5.1.4/lib/active_support/callb
acks.rb:97:in `run_callbacks'
| /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionpack-5.1.4/lib/action_dispatch/middlew
```

```

are/callbacks.rb:24:in `call'
 | /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionpack-5.1.4/lib/action_dispatch/middlew
are/debug_exceptions.rb:59:in `call'
 | /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionpack-5.1.4/lib/action_dispatch/middlew
are/show_exceptions.rb:31:in `call'
 | /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/railties-5.1.4/lib/rails/rack/logger.rb:36:i
n `call_app'
 | /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/railties-5.1.4/lib/rails/rack/logger.rb:26:i
n `call'
 | /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/sprockets-rails-3.2.1/lib/sprockets/rails/qu
iet_assets.rb:13:in `call'
 | /usr/share/foreman/lib/middleware/tagged_logging.rb:18:in `call'
 | /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionpack-5.1.4/lib/action_dispatch/middlew
are/remote_ip.rb:79:in `call'
 | /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionpack-5.1.4/lib/action_dispatch/middlew
are/request_id.rb:25:in `call'
 | /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/rack-2.0.3/lib/rack/method_override.rb:22:in
`call'
 | /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/rack-2.0.3/lib/rack/runtime.rb:22:in `call'
 | /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activesupport-5.1.4/lib/active_support/cache
/strategy/local_cache_middleware.rb:27:in `call'
 | /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionpack-5.1.4/lib/action_dispatch/middlew
are/executor.rb:12:in `call'
 | /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/actionpack-5.1.4/lib/action_dispatch/middlew
are/static.rb:125:in `call'
 | /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/rack-2.0.3/lib/rack/sendfile.rb:111:in `call
'
 | /opt/theforeman/tfm/root/usr/share/gems/gems/secure_headers-3.4.1/lib/secure_headers/middleware
.rb:12:in `call'
 | /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/railties-5.1.4/lib/rails/engine.rb:522:in `c
all'
 | /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/railties-5.1.4/lib/rails/railtie.rb:185:in `
public_send'
 | /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/railties-5.1.4/lib/rails/railtie.rb:185:in `
method_missing'
 | /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/rack-2.0.3/lib/rack/urlmap.rb:68:in `block i
n call'
 | /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/rack-2.0.3/lib/rack/urlmap.rb:53:in `each'
 | /opt/theforeman/tfm-ror51/root/usr/share/gems/gems/rack-2.0.3/lib/rack/urlmap.rb:53:in `call'
 | /usr/share/ruby/vendor_ruby/phusion_passenger/rack/thread_handler_extension.rb:97:in `process_r
equest'
 | /usr/share/ruby/vendor_ruby/phusion_passenger/request_handler/thread_handler.rb:149:in `accept_
and_process_next_request'
 | /usr/share/ruby/vendor_ruby/phusion_passenger/request_handler/thread_handler.rb:110:in `main_lo
op'
 | /usr/share/ruby/vendor_ruby/phusion_passenger/request_handler.rb:415:in `block (3 levels) in st
art_threads'
 | /usr/share/ruby/vendor_ruby/phusion_passenger/utils.rb:113:in `block in create_thread_and_abort
_on_exception'
 | /opt/theforeman/tfm/root/usr/share/gems/gems/logging-1.8.2/lib/logging/diagnostic_context.rb:32
3:in `block in create_with_logging_context'
2018-05-14 09:43:26 8de7ab7f [app] [I] Rendering text template
2018-05-14 09:43:26 8de7ab7f [app] [I] Rendered text template (0.0ms)
2018-05-14 09:43:26 8de7ab7f [app] [I] Completed 412 Precondition Failed in 1946ms (Views: 0.5ms |
ActiveRecord: 35.6ms)

```

#### Related issues:

Related to Foreman - Bug #20931: Using host\_params in parameters leads to @Sa...

Closed

#### History

**#1 - 05/15/2018 09:31 AM - Axel Hahn**

- Category set to Templates

**#2 - 06/01/2018 12:45 PM - Marek Hulán**

- Related to Bug #20931: Using host\_params in parameters leads to @Safemode doesn't allow to access 'host\_params' on #<Safemode::ScopeObject>@ added

**#3 - 06/01/2018 12:45 PM - Marek Hulán**

I think this has been fixed by <http://projects.theforeman.org/issues/20931/> in 1.18, I can no longer reproduce on my dev setup. Given the patch size, I'd prefer not trying to cherry-pick to 1.17 branch.

**#4 - 06/05/2018 06:44 AM - Axel Hahn**

Thanks for adding the comment and the given orientation in which version it should be fixed!

**#5 - 06/05/2018 08:02 AM - Tomer Brisker**

- translation missing: en.field\_release changed from 296 to 360

**#6 - 07/03/2018 08:43 AM - Tomer Brisker**

- translation missing: en.field\_release changed from 360 to 330

- Triaged set to No

moving to 1.18.0, will verify this is fixed indeed - if you can test this in 1.18.0-RC3 that would be awesome!

**#7 - 07/03/2018 08:43 AM - Tomer Brisker**

- Triaged changed from No to Yes

**#8 - 07/12/2018 08:31 AM - Tomer Brisker**

- Target version changed from 1.18.0 to 1.18.1

**#9 - 08/14/2018 03:05 PM - Tomer Brisker**

- Target version changed from 1.18.1 to 1.18.2

**#10 - 09/03/2018 10:31 AM - Ondřej Pražák**

- Status changed from New to Duplicate

- Fixed in Releases 1.18.2 added

- Found in Releases 1.17.0 added

- Found in Releases deleted (1.7.0)

Closing as a duplicate based on previous comments.

**#11 - 09/05/2018 12:36 PM - Tomer Brisker**

- Fixed in Releases deleted (1.18.2)