

Foreman - Bug #36296

Template render/macro for grub_pass fails

04/12/2023 07:12 PM - Ben Magistro

Status:	Ready For Testing	
Priority:	Normal	
Assignee:		
Category:	Templates	
Target version:		
Difficulty:		Fixed in Releases:
Triaged:	No	Found in Releases: 3.3.0
Bugzilla link:		Red Hat JIRA:
Pull request:	https://github.com/theforeman/foreman/pull/9689	

Description

When trying to add/configure grub pass at install time, it fail to render the template with a 500 server error.

From the logs the following messages (truncated) seem relevant

```
...
2023-04-12T18:29:42 [W|app|1be2ebbf] Error rendering the Kickstart default template
2023-04-12T18:29:42 [I|app|1be2ebbf] Backtrace for 'Error rendering the Kickstart default template' error (NoMethodError):
undefined method `start_with?' for nil:NilClass
1be2ebbf | /usr/share/foreman/app/services/foreman/renderer/scope/macros/host_template.rb:127:in `grub_pass'
1be2ebbf | /opt/theforeman/tfm/root/usr/share/gems/gems/safemode-1.3.6/lib/safemode/scope.rb:37:in `method_missing'
1be2ebbf | Kickstart default:269:in `bind'
...
```

I've also attached a screenshot of the parameters configured.

We have set `encrypt_grub` to a boolean value of true and `grub_pass` to a string with the grub pass value.

Believe this stems from <https://projects.theforeman.org/issues/32394> + <https://github.com/theforeman/foreman/pull/8461>

My first thought is that https://github.com/theforeman/foreman/blob/968998dbb73a975573d55f8e2d16c3437bf0bfaa/app/services/foreman/renderer/scope/macros/host_template.rb#L127 should be `host_param()` vs `host.<param>` but haven't tested.

History

#1 - 04/18/2023 07:17 PM - The Foreman Bot

- Status changed from New to Ready For Testing
- Pull request <https://github.com/theforeman/foreman/pull/9689> added

#2 - 04/21/2023 12:40 PM - Ben Magistro

Reproduce steps (there is likely a better way for steps 2/3 but I don't know/remember it)

- 1) Create new host with host param `encrypt_grub` set to true and root password configured (not set on host directly, inherited from group/settings)
- 2) grab build token from <tfm host>/unattended/iPXE?mac=<mac>
- 3) open the ks path listed there
- 4) see error described above

Shifting the return to skip the checks it appears as if is an empty string. There is a grub pass field in the db and it defaults to empty string (https://github.com/theforeman/foreman/blob/b0cf15d79a3d3f96652cc9f75ecbec40b91e7512/db/migrate/20140912114124_add_grub_password_to_hosts.rb + https://github.com/theforeman/foreman/blob/b0cf15d79a3d3f96652cc9f75ecbec40b91e7512/db/migrate/20140912145052_add_grub_password_to_hostgroup.rb).

I would say that hints at the logic at https://github.com/theforeman/foreman/blob/b0cf15d79a3d3f96652cc9f75ecbec40b91e7512/app/models/concerns/host_common.rb#L156 always picking the grub_pass empty string value over the root pass but that code wise makes me think its only called when saving a host?

Files

