

Foreman - Bug #18887

"undefined method `each' for nil:NilClass" error during LDAP login and group search

03/14/2017 05:34 AM - Johan Berg

Status:	Ready For Testing	
Priority:	Normal	
Assignee:		
Category:	Authentication	
Target version:		
Difficulty:		Fixed in Releases:
Triaged:		Found in Releases: 1.14.2
Bugzilla link:		Red Hat JIRA:
Pull request:	https://github.com/foreman/ldap_fluff/pull/58	

Description

Local users works just fine but LDAP users does not work.

Installed packages.

ii	foreman	1.14.2-1	amd64	Systems management web interface
ii	foreman-compute	1.14.2-1	all	metapackage providing fog dependencies for Foreman,
ii	foreman-debug	1.14.2-1	all	provides support utility foreman-debug.
ii	foreman-ec2	1.14.2-1	all	metapackage providing EC2 dependencies for Foreman
ii	foreman-libvirt	1.14.2-1	all	metapackage providing libvirt dependencies for Foreman
ii	foreman-postgresql	1.14.2-1	all	metapackage providing PostgreSQL dependencies for Foreman
ii	foreman-proxy	1.14.2-1	all	RESTful proxies for DNS, DHCP, TFTP, and Puppet
ii	foreman-sqlite3	1.14.2-1	all	metapackage providing sqlite dependencies for Foreman
ii	ruby-foreman-ansible	1.4.4-1	all	Foreman Ansible plugin
ii	ruby-foreman-deface	1.0.2-2	all	Foreman Deface Plugin Dependency
ii	ruby-foreman-discovery	8.0.1-1	all	Foreman Discovery Plugin
ii	ruby-foreman-docker	3.0.0-1	all	Foreman Docker compute resource
ii	ruby-foreman-salt	8.0.1-1	all	Foreman Salt Plugin
ii	ruby-foreman-tasks	0.8.6-1	all	Tasks management engine for Foreman.
ii	ruby-foreman-templates	4.0.1-1	all	Foreman Templates Plugin

I run this on Ubuntu 16.04 LTS amd64.

I get the following error:

```
2017-03-14T10:29:03 d45e6a3f [app] [D] Setting current user thread-local variable to nil
2017-03-14T10:29:03 d45e6a3f [app] [D] Setting current user thread-local variable to foreman_admin
2017-03-14T10:29:03 d45e6a3f [app] [I] Expire fragment views/tabs_and_title_records-4 (0.2ms)
2017-03-14T10:29:03 d45e6a3f [app] [D] Setting current user thread-local variable to nil
2017-03-14T10:29:03 d45e6a3f [app] [W] Action failed | NoMethodError: undefined method `each' for nil:NilClass |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/ldap_fluff-0.4.6/lib/ldap_fluff/posix_member_service.rb:22:in `find_user_groups' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/ldap_fluff-0.4.6/lib/ldap_fluff/generic.rb:37:in `groups_for_uid' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/ldap_fluff-0.4.6/lib/ldap_fluff/ldap_fluff.rb:48:in `block in group_list' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/ldap_fluff-0.4.6/lib/ldap_fluff/ldap_fluff.rb:94:in `block in instrument' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activesupport-4.2.7.1/lib/active_support/notifications.rb:164:in `block in instrument'
| /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activesupport-4.2.7.1/lib/active_support/notifications/instrumenter.rb:20:in
`instrument' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activesupport-4.2.7.1/lib/active_support/notifications.rb:164:in
`instrument' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/ldap_fluff-0.4.6/lib/ldap_fluff/ldap_fluff.rb:93:in `instrument' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/ldap_fluff-0.4.6/lib/ldap_fluff/ldap_fluff.rb:47:in `group_list' |
/usr/share/foreman/app/models/auth_sources/auth_source_ldap.rb:122:in `update_usergroups' |
/usr/share/foreman/app/models/user.rb:202:in `block in try_to_login' |
/usr/share/foreman/app/models/concerns/foreman/thread_session.rb:72:in `as' |
/usr/share/foreman/app/models/concerns/foreman/thread_session.rb:78:in `as_anonymous_admin' |
/usr/share/foreman/app/models/user.rb:194:in `try_to_login' | /usr/share/foreman/app/controllers/users_controller.rb:73:in `login' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/actionpack-4.2.7.1/lib/action_controller/metal/implicit_render.rb:4:in `send_action'
| /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/actionpack-4.2.7.1/lib/abstract_controller/base.rb:198:in `process_action' |
```

/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/actionpack-4.2.7.1/lib/action_controller/metal/rendering.rb:10:in `process_action' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/actionpack-4.2.7.1/lib/abstract_controller/callbacks.rb:20:in `block in
process_action' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:117:in `call'
| /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:555:in `block (2 levels) in
compile' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:505:in `call' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:498:in `block (2 levels) in
around' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:313:in `block (2
levels) in halting' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/rails-observers-0.1.2/lib/rails/observers/action_controller/caching/sweeping.rb:73:i
n `around' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:455:in
`public_send' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:455:in `block
in make_lambda' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:312:in
`block in halting' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:497:in
`block in around' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:505:in
`call' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:498:in `block (2 levels)
in around' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:313:in `block (2
levels) in halting' | /usr/share/foreman/app/controllers/concerns/application_shared.rb:14:in `set_timezone' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:432:in `block in
make_lambda' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:312:in `block
in halting' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:497:in `block in
around' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:505:in `call' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:498:in `block (2 levels) in
around' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:313:in `block (2
levels) in halting' | /usr/share/foreman/app/models/concerns/foreman/thread_session.rb:32:in `clear_thread' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:432:in `block in
make_lambda' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:312:in `block
in halting' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:497:in `block in
around' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:505:in `call' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:498:in `block (2 levels) in
around' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:313:in `block (2
levels) in halting' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/rails-observers-0.1.2/lib/rails/observers/action_controller/caching/sweeping.rb:73:i
n `around' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:455:in
`public_send' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:455:in `block
in make_lambda' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:312:in
`block in halting' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:497:in
`block in around' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:505:in
`call' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:92:in
`__run_callbacks__' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:778:in
`run_process_action_callbacks' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:81:in `run_callbacks' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/actionpack-4.2.7.1/lib/abstract_controller/callbacks.rb:19:in `process_action' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/actionpack-4.2.7.1/lib/action_controller/metal/rescue.rb:29:in `process_action' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/actionpack-4.2.7.1/lib/action_controller/metal/instrumentation.rb:32:in `block in
process_action' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/notifications.rb:164:in
`block in instrument' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/notifications/instrumenter.rb:20:in
`instrument' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activestorage-4.2.7.1/lib/active_storage/notifications.rb:164:in
`instrument' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/actionpack-4.2.7.1/lib/action_controller/metal/instrumentation.rb:30:in
`process_action' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/actionpack-4.2.7.1/lib/action_controller/metal/params_wrapper.rb:250:in
`process_action' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activerecord-4.2.7.1/lib/active_record/railties/controller_runtime.rb:18:in
`process_action' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/actionpack-4.2.7.1/lib/abstract_controller/base.rb:137:in
`process' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/actionview-4.2.7.1/lib/action_view/rendering.rb:30:in `process' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/actionpack-4.2.7.1/lib/action_controller/metal.rb:196:in `dispatch' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/actionpack-4.2.7.1/lib/action_controller/metal/rack_delegation.rb:13:in `dispatch' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/actionpack-4.2.7.1/lib/action_controller/metal.rb:237:in `block in action' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/actionpack-4.2.7.1/lib/action_dispatch/routing/route_set.rb:74:in `dispatch' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/actionpack-4.2.7.1/lib/action_dispatch/routing/route_set.rb:43:in `serve' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/actionpack-4.2.7.1/lib/action_dispatch/journey/router.rb:43:in `block in serve' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/actionpack-4.2.7.1/lib/action_dispatch/journey/router.rb:30:in `each' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/actionpack-4.2.7.1/lib/action_dispatch/journey/router.rb:30:in `serve' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/actionpack-4.2.7.1/lib/action_dispatch/routing/route_set.rb:817:in `call' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/apipie-rails-0.3.7/lib/apipie/static_dispatcher.rb:65:in `call' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/apipie-rails-0.3.7/lib/apipie/extractor/recorder.rb:132:in `call' |

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/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/apipie-rails-0.3.7/lib/apipie/middleware/checksum_in_headers.rb:27:in `call' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/rack-1.6.5/lib/rack/etag.rb:24:in `call' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/rack-1.6.5/lib/rack/conditionalget.rb:38:in `call' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/rack-1.6.5/lib/rack/head.rb:13:in `call' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/actionpack-4.2.7.1/lib/action_dispatch/middleware/params_parser.rb:27:in `call' |
/usr/share/foreman/lib/middleware/catch_json_parse_errors.rb:8:in `call' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/actionpack-4.2.7.1/lib/action_dispatch/middleware/flash.rb:260:in `call' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/rack-1.6.5/lib/rack/session/abstract/id.rb:225:in `context' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/rack-1.6.5/lib/rack/session/abstract/id.rb:220:in `call' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/actionpack-4.2.7.1/lib/action_dispatch/middleware/cookies.rb:560:in `call' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activerecord-4.2.7.1/lib/active_record/query_cache.rb:36:in `call' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activerecord-4.2.7.1/lib/active_record/connection_adapters/abstract/connection_p
ool.rb:653:in `call' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/actionpack-4.2.7.1/lib/action_dispatch/middleware/callbacks.rb:29:in `block in call'
| /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activesupport-4.2.7.1/lib/active_support/callbacks.rb:88:in `__run_callbacks__' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activesupport-4.2.7.1/lib/active_support/callbacks.rb:778:in `run_call_callbacks' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activesupport-4.2.7.1/lib/active_support/callbacks.rb:81:in `run_callbacks' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/actionpack-4.2.7.1/lib/action_dispatch/middleware/callbacks.rb:27:in `call' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/actionpack-4.2.7.1/lib/action_dispatch/middleware/remote_ip.rb:78:in `call' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/actionpack-4.2.7.1/lib/action_dispatch/middleware/debug_exceptions.rb:17:in `call'
| /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/actionpack-4.2.7.1/lib/action_dispatch/middleware/show_exceptions.rb:30:in `call'
| /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/railties-4.2.7.1/lib/rails/rack/logger.rb:38:in `call_app' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/railties-4.2.7.1/lib/rails/rack/logger.rb:22:in `call' |
/usr/share/foreman/lib/middleware/tagged_logging.rb:18:in `call' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/actionpack-4.2.7.1/lib/action_dispatch/middleware/request_id.rb:21:in `call' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/rack-1.6.5/lib/rack/methodoverride.rb:22:in `call' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/rack-1.6.5/lib/rack/runtime.rb:18:in `call' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/activesupport-4.2.7.1/lib/active_support/cache/strategy/local_cache_middleware.r
b:28:in `call' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/actionpack-4.2.7.1/lib/action_dispatch/middleware/static.rb:120:in
`call' | /usr/share/foreman/vendor/cache/ruby/2.3.0/gems/rack-1.6.5/lib/rack/sendfile.rb:113:in `call' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/secure_headers-3.6.1/lib/secure_headers/middleware.rb:12:in `call' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/railties-4.2.7.1/lib/rails/engine.rb:518:in `call' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/railties-4.2.7.1/lib/rails/application.rb:165:in `call' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/railties-4.2.7.1/lib/rails/railtie.rb:194:in `public_send' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/railties-4.2.7.1/lib/rails/railtie.rb:194:in `method_missing' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/rack-1.6.5/lib/rack/urlmap.rb:66:in `block in call' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/rack-1.6.5/lib/rack/urlmap.rb:50:in `each' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/rack-1.6.5/lib/rack/urlmap.rb:50:in `call' |
/usr/lib/ruby/vendor_ruby/phusion_passenger/rack/thread_handler_extension.rb:97:in `process_request' |
/usr/lib/ruby/vendor_ruby/phusion_passenger/request_handler/thread_handler.rb:160:in `accept_and_process_next_request' |
/usr/lib/ruby/vendor_ruby/phusion_passenger/request_handler/thread_handler.rb:113:in `main_loop' |
/usr/lib/ruby/vendor_ruby/phusion_passenger/request_handler.rb:416:in `block (3 levels) in start_threads' |
/usr/lib/ruby/vendor_ruby/phusion_passenger/utils.rb:113:in `block in create_thread_and_abort_on_exception' |
/usr/share/foreman/vendor/cache/ruby/2.3.0/gems/logging-2.1.0/lib/logging/ diagnostic_context.rb:450:in `block in
create_with_logging_context'
2017-03-14T10:29:03 d45e6a3f [app] [I] Rendered common/500.html.erb within layouts/application (4.6ms)
2017-03-14T10:29:03 d45e6a3f [app] [I] Rendered layouts/_application_content.html.erb (0.4ms)
2017-03-14T10:29:03 d45e6a3f [app] [I] Rendered layouts/base.html.erb (2.9ms)
2017-03-14T10:29:03 d45e6a3f [app] [I] Completed 500 Internal Server Error in 113ms (Views: 10.2ms | ActiveRecord: 7.3ms)
2017-03-14T10:29:03 03a66c9f [app] [I] Started GET "/javascripts/locale/en/app.js" for 10.140.102.1 at 2017-03-14 10:29:03 +0100
2017-03-14T10:29:03 03a66c9f [app] [F] | ActionController::RoutingError (No route matches [GET] "/javascripts/locale/en/app.js"): |
lib/middleware/tagged_logging.rb:18:in `call'

```

History

#1 - 03/14/2017 05:53 AM - Dominic Cleal

- Subject changed from Problems logging in via LDAP on 1.13.2 to 1.14.2 to "undefined method `each' for nil:NilClass" error during LDAP login and group search

This may be related to https://github.com/theforeman/ldap_fluff/commit/1b2fea9a90eefe11dc4c3c6e1e10e3caf4df6781, and probably occurs because there was an LDAP error when searching for groups beneath the group DN. Ensure the group base DN is set in the LDAP authentication source correctly.

You may be able to see details of the search or error by enabling LDAP debugging (<https://theforeman.org/manuals/1.14/index.html#7.2Debugging>).

#2 - 03/14/2017 06:11 AM - Johan Berg

Dominic Cleal wrote:

This may be related to https://github.com/theforeman/ldap_fluff/commit/1b2fea9a90eefe11dc4c3c6e1e10e3caf4df6781, and probably occurs because there was an LDAP error when searching for groups beneath the group DN. Ensure the group base DN is set in the LDAP authentication source correctly.

You *may* be able to see details of the search or error by enabling LDAP debugging (<https://theforeman.org/manuals/1.14/index.html#7.2Debugging>).

Thanks I will check that out and report back.

#3 - 08/30/2017 05:06 AM - Ivan Necas

I was able to reproduce this when the group base dn was not present on the ldap system.

#4 - 08/30/2017 05:18 AM - Ivan Necas

- Status changed from New to Ready For Testing

- Pull request https://github.com/theforeman/ldap_fluff/pull/58 added

The reproducer steps: set the group base dn to some non-existing base with Posix ldap provider.