

Foreman - Bug #22699

foreman-installer --foreman-oauth-map-users conflicts with --foreman-proxy-register-in-foreman

02/27/2018 12:36 AM - Nick L.

Status:	New	
Priority:	Normal	
Assignee:		
Category:	API	
Target version:		
Difficulty:	easy	Fixed in Releases:
Triaged:		Found in Releases: 1.15.6
Bugzilla link:		Red Hat JIRA:
Pull request:		

Description

If both --foreman-oauth-map-users=true and --foreman-proxy-register-in-foreman are used simultaneously, foreman-installer fails with this error message:

```
/Stage[main]/Foreman_proxy::Register/Foreman_smartproxy[foreman.local]: Failed to call refresh: P
roxy foreman.local cannot be retrieved: unknown error (response 401)
/Stage[main]/Foreman_proxy::Register/Foreman_smartproxy[foreman.local]: Proxy foreman.local canno
t be retrieved: unknown error (response 401)
/usr/share/foreman-installer/modules/foreman/lib/puppet/provider/foreman_smartproxy/rest_v3.rb:7:i
n `proxy'
/usr/share/foreman-installer/modules/foreman/lib/puppet/provider/foreman_smartproxy/rest_v3.rb:13:
in `id'
/usr/share/foreman-installer/modules/foreman/lib/puppet/provider/foreman_smartproxy/rest_v3.rb:17:
in `exists?'
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/property/ensure.rb:81:in `retrieve'
/usr/share/foreman-installer/modules/foreman/lib/puppet/type/foreman_smartproxy.rb:53:in `refresh'
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/transaction/event_manager.rb:147:in `process_ca
llback'
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/transaction/event_manager.rb:34:in `block in pr
ocess_events'
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/transaction/event_manager.rb:119:in `block in q
ueued_events'
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/transaction/event_manager.rb:118:in `each'
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/transaction/event_manager.rb:118:in `queued_eve
nts'
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/transaction/event_manager.rb:33:in `process_eve
nts'
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/transaction.rb:250:in `eval_resource'
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/transaction.rb:163:in `call'
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/transaction.rb:163:in `block (2 levels) in eval
uate'
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/util.rb:507:in `block in thinmark'
/opt/puppetlabs/puppet/lib/ruby/2.1.0/benchmark.rb:294:in `realtime'
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/util.rb:506:in `thinmark'
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/transaction.rb:163:in `block in evaluate'
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/graph/relationship_graph.rb:118:in `traverse'
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/transaction.rb:154:in `evaluate'
/usr/lib/ruby/vendor_ruby/kafo/modules/kafo_configure/lib/puppet/parser/functions/add_progress.rb:
30:in `evaluate_with_trigger'
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/resource/catalog.rb:222:in `block in apply'
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/util/log.rb:155:in `with_destination'
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/transaction/report.rb:146:in `as_logging_destin
ation'
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/resource/catalog.rb:221:in `apply'
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/configurer.rb:171:in `block in apply_catalog'
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/util.rb:224:in `block in benchmark'
/opt/puppetlabs/puppet/lib/ruby/2.1.0/benchmark.rb:294:in `realtime'
```

```
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/util.rb:223:in `benchmark'  
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/configurer.rb:170:in `apply_catalog'  
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/configurer.rb:343:in `run_internal'  
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/configurer.rb:221:in `block in run'  
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/context.rb:65:in `override'  
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet.rb:306:in `override'  
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/configurer.rb:195:in `run'  
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/application/apply.rb:350:in `apply_catalog'  
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/application/apply.rb:274:in `block in main'  
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/context.rb:65:in `override'  
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet.rb:306:in `override'  
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/application/apply.rb:225:in `main'  
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/application/apply.rb:170:in `run_command'  
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/application.rb:375:in `block in run'  
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/util.rb:662:in `exit_on_fail'  
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/application.rb:375:in `run'  
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/util/command_line.rb:132:in `run'  
/opt/puppetlabs/puppet/lib/ruby/vendor_ruby/puppet/util/command_line.rb:72:in `execute'  
/opt/puppetlabs/puppet/bin/puppet:5:in `'
```

Depending on how this problem should be solved, one of these is the cause of the problem:

- In `/usr/share/foreman/app/services/sso/oauth.rb`, `SSO::OAuth#authenticate!` tries to log in as a blank string username if the HTTP header `FOREMAN-USER` is unset:

```
if Setting['oauth_map_users']  
  user_name = request.headers['HTTP_FOREMAN_USER'].to_s  
  User.unscoped.find_by_login(user_name).tap do |obj|  
    Rails.logger.warn "OAuth: mapping to user '#{user_name}' failed" if obj.nil?  
    end.try(:login)  
  else  
    User::ANONYMOUS_API_ADMIN  
  end
```

This could be solved by defaulting to `User::ANONYMOUS_API_ADMIN` if the header is unset.

- In `/usr/share/foreman-installer/modules/foreman/lib/puppet/provider/foreman_smartproxy/rest_v3.rb`, the header `FOREMAN-USER` is not passed in the request to Foreman, which triggers the unintended logic in the bullet point above.

The likeliness of this issue could be reduced by sending the `FOREMAN-USER` header with the value equal to whatever was specified in the `--foreman-admin-username` option of `foreman-installer`.

I am not sure if the intention is a strict expectation of the `FOREMAN-USER` header when the Foreman setting `oauth_map_users` is true. It would be easier to implement the first bullet point solution, but it means defaulting to admin permissions without that header.

History

#1 - 02/27/2018 12:36 AM - Nick L.

- Subject changed from `--foreman-oauth-map-users conflicts with --foreman-proxy-register-in-foreman` to `foreman-installer --foreman-oauth-map-users conflicts with --foreman-proxy-register-in-foreman`