

Packaging - Bug #23312

angular-rails-templates uses MD5 causing problems FIPS-enabled environments

04/18/2018 02:41 PM - Peter Ondrejka

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	RPMs	
Target version:		
Difficulty:		Fixed in Releases: 1.20.0
Triaged:	Yes	Found in Releases:
Bugzilla link:		Red Hat JIRA:
Pull request:	https://github.com/foreman/foreman-packaging/pull/3046	

Description

The angular-rails-templates gem is probably not FIPS compatible. This came out after enabling FIPS mode on the underlying rhel 7 (using a workaround that overrides Digest::MD5 class and logs which gem used it), after restarting services I'm seeing:

```
2018-04-18T08:57:36 [W|app|] FIPS issue: calling 'hexdigest' from
| /opt/foreman/tfm/root/usr/share/gems/gems/angular-rails-templates-1.0.2/lib/angular-rails-templates/engine.rb:43:in `block in <class:Engine>'
| /opt/foreman/tfm-ror51/root/usr/share/gems/gems/railties-5.1.4/lib/rails/initializable.rb:30:in `instance_exec'
| /opt/foreman/tfm-ror51/root/usr/share/gems/gems/railties-5.1.4/lib/rails/initializable.rb:30:in `run'
| /opt/foreman/tfm-ror51/root/usr/share/gems/gems/railties-5.1.4/lib/rails/initializable.rb:59:in `block in run_initializers'
| /opt/rh/rh-ruby24/root/usr/share/ruby/tsort.rb:228:in `block in tsort_each'
| /opt/rh/rh-ruby24/root/usr/share/ruby/tsort.rb:350:in `block (2 levels) in each_strongly_connected_component'
| /opt/rh/rh-ruby24/root/usr/share/ruby/tsort.rb:431:in `each_strongly_connected_component_from'
| /opt/rh/rh-ruby24/root/usr/share/ruby/tsort.rb:349:in `block in each_strongly_connected_component'
| /opt/rh/rh-ruby24/root/usr/share/ruby/tsort.rb:347:in `each'
| /opt/rh/rh-ruby24/root/usr/share/ruby/tsort.rb:347:in `call'
| /opt/rh/rh-ruby24/root/usr/share/ruby/tsort.rb:347:in `each_strongly_connected_component'
| /opt/rh/rh-ruby24/root/usr/share/ruby/tsort.rb:226:in `tsort_each'
| /opt/rh/rh-ruby24/root/usr/share/ruby/tsort.rb:205:in `tsort_each'
| /opt/foreman/tfm-ror51/root/usr/share/gems/gems/railties-5.1.4/lib/rails/initializable.rb:58:in `run_initializers'
| /opt/foreman/tfm-ror51/root/usr/share/gems/gems/railties-5.1.4/lib/rails/application.rb:353:in `initialize!'
| /opt/foreman/tfm-ror51/root/usr/share/gems/gems/railties-5.1.4/lib/rails/railtie.rb:185:in `public_send'
| /opt/foreman/tfm-ror51/root/usr/share/gems/gems/railties-5.1.4/lib/rails/railtie.rb:185:in `method_missing'
| /usr/share/foreman/config/environment.rb:5:in `<top (required)>'
| /opt/rh/rh-ruby24/root/usr/share/rubygems/rubygems/core_ext/kernel_require.rb:55:in `require'
| /opt/rh/rh-ruby24/root/usr/share/rubygems/rubygems/core_ext/kernel_require.rb:55:in `require'
| /opt/foreman/tfm/root/usr/share/gems/gems/polyglot-0.3.5/lib/polyglot.rb:65:in `require'
| /opt/foreman/tfm-ror51/root/usr/share/gems/gems/activesupport-5.1.4/lib/active_support/dependencies.rb:292:in `block in require'
| /opt/foreman/tfm-ror51/root/usr/share/gems/gems/activesupport-5.1.4/lib/active_support/dependencies.rb:258:in `load_dependency'
| /opt/foreman/tfm-ror51/root/usr/share/gems/gems/activesupport-5.1.4/lib/active_support/dependencies.rb:292:in `require'
| /opt/foreman/tfm/root/usr/share/gems/gems/dynflow-1.0.0/lib/dynflow/rails/daemon.rb:46:in `run'
| /opt/foreman/tfm/root/usr/share/gems/gems/dynflow-1.0.0/lib/dynflow/rails/daemon.rb:81:in `block (2 levels) in run_background'
```

```
| /opt/theforeman/tfm/root/usr/share/gems/gems/daemons-1.2.3/lib/daemons/application.rb:265:in `block in start_proc'
| /opt/theforeman/tfm/root/usr/share/gems/gems/daemons-1.2.3/lib/daemons/daemonize.rb:84:in `call_as_daemon'
| /opt/theforeman/tfm/root/usr/share/gems/gems/daemons-1.2.3/lib/daemons/application.rb:269:in `start_proc'
| /opt/theforeman/tfm/root/usr/share/gems/gems/daemons-1.2.3/lib/daemons/application.rb:295:in `start'
| /opt/theforeman/tfm/root/usr/share/gems/gems/daemons-1.2.3/lib/daemons/monitor.rb:49:in `block (3 levels) in watch'
| /opt/theforeman/tfm/root/usr/share/gems/gems/daemons-1.2.3/lib/daemons/monitor.rb:49:in `fork'
| /opt/theforeman/tfm/root/usr/share/gems/gems/daemons-1.2.3/lib/daemons/monitor.rb:49:in `block (2 levels) in watch'
| /opt/theforeman/tfm/root/usr/share/gems/gems/daemons-1.2.3/lib/daemons/monitor.rb:43:in `each'
| /opt/theforeman/tfm/root/usr/share/gems/gems/daemons-1.2.3/lib/daemons/monitor.rb:43:in `block in watch'
| /opt/theforeman/tfm/root/usr/share/gems/gems/daemons-1.2.3/lib/daemons/monitor.rb:42:in `loop'
| /opt/theforeman/tfm/root/usr/share/gems/gems/daemons-1.2.3/lib/daemons/monitor.rb:42:in `watch'
| /opt/theforeman/tfm/root/usr/share/gems/gems/daemons-1.2.3/lib/daemons/monitor.rb:66:in `block in start_with_pidfile'
| /opt/theforeman/tfm/root/usr/share/gems/gems/daemons-1.2.3/lib/daemons/monitor.rb:61:in `fork'
| /opt/theforeman/tfm/root/usr/share/gems/gems/daemons-1.2.3/lib/daemons/monitor.rb:61:in `start_with_pidfile'
| /opt/theforeman/tfm/root/usr/share/gems/gems/daemons-1.2.3/lib/daemons/monitor.rb:92:in `start'
| /opt/theforeman/tfm/root/usr/share/gems/gems/daemons-1.2.3/lib/daemons/application_group.rb:141:in `create_monitor'
| /opt/theforeman/tfm/root/usr/share/gems/gems/daemons-1.2.3/lib/daemons/application.rb:283:in `start'
| /opt/theforeman/tfm/root/usr/share/gems/gems/daemons-1.2.3/lib/daemons/controller.rb:56:in `run'
| /opt/theforeman/tfm/root/usr/share/gems/gems/daemons-1.2.3/lib/daemons.rb:193:in `block in run_proc'
| /opt/theforeman/tfm/root/usr/share/gems/gems/daemons-1.2.3/lib/daemons/cmdline.rb:88:in `catch_exceptions'
| /opt/theforeman/tfm/root/usr/share/gems/gems/daemons-1.2.3/lib/daemons.rb:192:in `run_proc'
| /opt/theforeman/tfm/root/usr/share/gems/gems/dynflow-1.0.0/lib/dynflow/rails/daemon.rb:75:in `block in run_background'
| /opt/theforeman/tfm/root/usr/share/gems/gems/dynflow-1.0.0/lib/dynflow/rails/daemon.rb:74:in `times'
| /opt/theforeman/tfm/root/usr/share/gems/gems/dynflow-1.0.0/lib/dynflow/rails/daemon.rb:74:in `run_background'
| /usr/sbin/dynflowd:71:in `block in <main>'
| /usr/sbin/dynflowd:67:in `chdir'
| /usr/sbin/dynflowd:67:in `<main>'
```

Related issues:

Blocks Foreman - Feature #3511: As a security person, I would like Foreman t...

Resolved

History

#1 - 04/18/2018 02:42 PM - Peter Ondrejka

- Subject changed from *angular-rails-templates uses MD5 causing problems FIPS-enable environment added to angular-rails-templates uses MD5 causing problems FIPS-enabled environments*

#2 - 04/18/2018 02:44 PM - Peter Ondrejka

- *Blocks Feature #3511: As a security person, I would like Foreman to run in FIPS mode added*

#3 - 04/18/2018 05:51 PM - Justin Sherrill

- *translation missing: en.field_release set to 114*

#4 - 04/18/2018 06:17 PM - Anonymous

Created an upstream PR: <https://github.com/pitr/angular-rails-templates/pull/158>

#5 - 10/01/2018 01:51 PM - Ivan Necas

- *Status changed from New to Ready For Testing*

- *Triaged set to No*
- *Pull request <https://github.com/theforeman/foreman-packaging/pull/3046> added*

Since the upstream is not responsive, proposing pulling the change in during the rpm packaging in <https://github.com/theforeman/foreman-packaging/pull/3046>

#6 - 10/03/2018 05:44 PM - Jonathon Turel

- *Project changed from Katello to Packaging*
- *Category set to RPMs*
- *Target version deleted (Katello Backlog)*
- *Triaged changed from No to Yes*
- *Fixed in Releases 1.20.0 added*

#7 - 10/09/2018 05:21 PM - Anonymous

- *Status changed from Ready For Testing to Closed*