

Packaging - Bug #23312

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

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

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| <div>Status:Closed</div> <div>Priority:Normal</div> <div>Assignee:</div> <div>Category:RPMs</div> <div>Target version:</div> <div>Difficulty:</div> <div>Triaged:Yes</div> <div>Bugzilla link:</div> <div>Pull request:<a href="https://github.com/foreman/foreman-packaging/pull/3046">https://github.com/foreman/foreman-packaging/pull/3046</a></div>   | <div>Fixed in Releases:1.20.0</div> <div>Found in Releases:</div> <div>Red Hat JIRA:</div> |
| <div>Description</div> <p>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:</p> <pre>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 &lt;class:Engine&gt;'   /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 `&lt;top (required)&gt;'   /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/activerecord-5.1.4/lib/active_record/dependencies.rb:292:in `block in require'   /opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/dependencies.rb:258:in `load_dependency'   /opt/foreman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/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'</pre> |  |

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| /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>'
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| <b>Related issues:</b>  |                 |
| Blocks Foreman - Feature #3511: As a security person, I would like Foreman t... | <b>Resolved</b> |

## History

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

- Subject changed from angular-rails-templates uses MD5 causing problems FIPS-enable envrionment added to angular-rails-templates uses MD5 causing problems FIPS-enabled envrionments

### #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 puling 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*