Foreman - Bug #12696

Built call can fail due to orchestration conflict checking

12/03/2015 04:22 PM - Stephen Benjamin

Status:	New		
Priority:	Normal		
Assignee:			
Category:	Orchestration		
Target version:			
Difficulty:		**Fixed in Releases:**	
Triaged:		**Found in Releases:**	
Bugzilla link:	1288215	**Red Hat JIRA:**	
Pull request:			

Description

Cloned from https://bugzilla.redhat.com/show_bug.cgi?id=1288215
Description of problem:
The built url calls `save!` which triggers checking orchestration conflicts. This seems unnecessary, and can even prevent the host from being built, putting it in a reboot loop. To give you an example, a host with DNS has its record checked for conflicts when built is called. On very slow DNS servers this could time out and cause the call to fail.

Upstream Foreman makes the timeout at least configurable (http://projects.theforeman.org/issues/11709), but I wonder why it should check conflicts at all when we're marking the host built?

Version-Release number of selected component (if applicable):
6.1.3

How reproducible:
Sometimes, if your DNS is very, very slow

Additional info:

Traceback from the failed built call:

/usr/share/foreman/lib/net/dns.rb:37:in `rescue in lookup'
/usr/share/foreman/lib/net/dns.rb:15:in `lookup'
/usr/share/foreman/lib/net/dns.rb:63:in `dns_lookup'
/usr/share/foreman/lib/net/dns/a_record.rb:28:in `conflicts'
/usr/share/foreman/lib/net.rb:24:in `conflicting?'
/usr/share/foreman/app/models/concerns/orchestration/dns.rb:121:in `dns_conflict_detected?'
/opt/rh/ruby193/root/usr/share/gems/gems/activesupport-3.2.8/lib/active_support/callbacks.rb:512:in `_run__3613348864840830943__validation__1758447277780704494__callbacks'
/opt/rh/ruby193/root/usr/share/gems/gems/activesupport-3.2.8/lib/active_support/callbacks.rb:405:in `__run_callback'
/opt/rh/ruby193/root/usr/share/gems/gems/activesupport-3.2.8/lib/active_support/callbacks.rb:385:in `_run_validation_callbacks'
/opt/rh/ruby193/root/usr/share/gems/gems/activesupport-3.2.8/lib/active_support/callbacks.rb:81:in `run_callbacks'
/opt/rh/ruby193/root/usr/share/gems/gems/activemodel-3.2.8/lib/active_model/validations/callbacks.rb:53:in `run_validations!'
/opt/rh/ruby193/root/usr/share/gems/gems/activemodel-3.2.8/lib/active_model/validations.rb:194:in `valid?'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/validations.rb:69:in `valid?'
/usr/share/foreman/app/models/concerns/orchestration.rb:47:in `valid?'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/validations.rb:77:in `perform_validations'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/validations.rb:56:in `save!'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/attribute_methods/dirty.rb:33:in `save!'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/transactions.rb:246:in `block in save!'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/transactions.rb:295:in `block in with_transaction_returning_status'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/connection_adapters/abstract/database_statements.rb:192:in `transaction'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/transactions.rb:208:in `transaction'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/transactions.rb:293:in `with_transaction_returning_status'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/transactions.rb:246:in `save!'

/usr/share/foreman/app/models/host/managed.rb:251:in `built'
/usr/share/foreman/app/controllers/unattended_controller.rb:40:in `built'

Related issues:		
Related to Foreman - Bug #10951: Validation errors during host build button s...	**New**	**06/30/2015**

History

#1 - 12/03/2015 04:37 PM - Stephen Benjamin

- Category set to Orchestration

#2 - 12/04/2015 03:10 AM - Dominic Cleal

- Related to Bug #10951: Validation errors during host build button should be skipable added

#3 - 12/07/2015 01:43 AM - Marek Hulán

but I wonder why it should check conflicts at all when we're marking the host built?

I think it was not intended to work like this but the checks are triggered by validation of the record which happens when host is being saved with changed built flag value. I think we could skip validations in this case which would prevent boot loop if token is present (we still want to present errors to users when they flip the build flag from UI)