

Foreman - Bug #18565

AccessPermissionsTest causes app syntax errors to be ignored in `rake test`

02/20/2017 03:34 AM - Dominic Cleal

Status:	Closed	
Priority:	Normal	
Assignee:	Dominic Cleal	
Category:	Tests	
Target version:	1.15.0	
Difficulty:		Fixed in Releases:
Triaged:		Found in Releases:
Bugzilla link:		Red Hat JIRA:
Pull request:	https://github.com/theforeman/foreman/pull/4305	

Description

When running rake test with a syntax error in an app controller (e.g. caused by [#7495](#)), the syntax error is logged by the rake process during startup but minitest execution continues anyway:

```
+ bundle exec rake pkg:generate_source jenkins:unit TESTOPTS=-v
rm -rf jenkins/reports/unit/
The Apipie cache is turned off. Enable it and run apipie:cache rake task to speed up API calls.
WARNING: `rake webpack:compile` failed to run. This is only important if running integration tests
. (cause: Can't find our webpack executable at /var/lib/workspace/workspace/test_develop/database/
mysql/ruby/2.0.0/slave/fast/node_modules/.bin/webpack - have you run `npm install`?)
The Apipie cache is turned off. Enable it and run apipie:cache rake task to speed up API calls.
rake aborted!
SyntaxError: /var/lib/workspace/workspace/test_develop/database/mysql/ruby/2.0.0/slave/fast/app/co
ntrollers/api/v2/autosign_controller.rb:44: syntax error, unexpected ':', expecting =>
      render :status => 500, :json => { "error": exception.message }
                                ^
/var/lib/workspace/workspace/test_develop/database/mysql/ruby/2.0.0/slave/fast/app/controllers/api
/v2/autosign_controller.rb:44: syntax error, unexpected '}', expecting keyword_end
/var/lib/workspace/workspace/test_develop/database/mysql/ruby/2.0.0/slave/fast/app/controllers/api
/v2/autosign_controller.rb:44: syntax error, unexpected '}', expecting keyword_end
/usr/local/rvm/gems/ruby-2.0.0-p481@test_develop-0/gems/activerecord-4.2.7.1/lib/active_support/d
ependencies.rb:274:in `require'
/usr/local/rvm/gems/ruby-2.0.0-p481@test_develop-0/gems/activerecord-4.2.7.1/lib/active_support/d
ependencies.rb:274:in `block in require'
/usr/local/rvm/gems/ruby-2.0.0-p481@test_develop-0/gems/activerecord-4.2.7.1/lib/active_support/d
ependencies.rb:240:in `load_dependency'
/usr/local/rvm/gems/ruby-2.0.0-p481@test_develop-0/gems/activerecord-4.2.7.1/lib/active_support/d
ependencies.rb:274:in `require'
/usr/local/rvm/gems/ruby-2.0.0-p481@test_develop-0/gems/activerecord-4.2.7.1/lib/active_support/d
ependencies.rb:360:in `require_or_load'
/usr/local/rvm/gems/ruby-2.0.0-p481@test_develop-0/gems/activerecord-4.2.7.1/lib/active_support/d
ependencies.rb:494:in `load_missing_constant'
/usr/local/rvm/gems/ruby-2.0.0-p481@test_develop-0/gems/activerecord-4.2.7.1/lib/active_support/d
ependencies.rb:184:in `const_missing'
/usr/local/rvm/gems/ruby-2.0.0-p481@test_develop-0/gems/activerecord-4.2.7.1/lib/active_support/i
njector/methods.rb:276:in `const_get'
/usr/local/rvm/gems/ruby-2.0.0-p481@test_develop-0/gems/activerecord-4.2.7.1/lib/active_support/i
njector/methods.rb:276:in `block in constantize'
/usr/local/rvm/gems/ruby-2.0.0-p481@test_develop-0/gems/activerecord-4.2.7.1/lib/active_support/i
njector/methods.rb:259:in `each'
/usr/local/rvm/gems/ruby-2.0.0-p481@test_develop-0/gems/activerecord-4.2.7.1/lib/active_support/i
njector/methods.rb:259:in `inject'
/usr/local/rvm/gems/ruby-2.0.0-p481@test_develop-0/gems/activerecord-4.2.7.1/lib/active_support/i
njector/methods.rb:259:in `constantize'
/usr/local/rvm/gems/ruby-2.0.0-p481@test_develop-0/gems/activerecord-4.2.7.1/lib/active_support/c
ore_ext/string/inflections.rb:66:in `constantize'
/var/lib/workspace/workspace/test_develop/database/mysql/ruby/2.0.0/slave/fast/test/unit/shared/ac
cess_permissions_test_base.rb:21:in `block in check_routes'
```

```
/var/lib/workspace/workspace/test_develop/database/mysql/ruby/2.0.0/slave/fast/test/unit/shared/access_permissions_test_base.rb:15:in `each'
/var/lib/workspace/workspace/test_develop/database/mysql/ruby/2.0.0/slave/fast/test/unit/shared/access_permissions_test_base.rb:15:in `check_routes'
/var/lib/workspace/workspace/test_develop/database/mysql/ruby/2.0.0/slave/fast/test/unit/foreman/access_permissions_test.rb:48:in `'
Tasks: TOP => jenkins:unit => test:units
(See full trace by running task with --trace)
Run options: -v --ci-reporter --seed 13083
```

Running:

```
ApplicationHelperTest#test_generate_link_for = 2.29 s = .
ApplicationHelperTest::documentation#test_connection_compute_resources_url = 0.00 s = .
```

(ditto with plain rake test)

This is caused by `AccessPermissionsTest` which constantizes and causes loading of controllers etc *outside* of the test process. Normally syntax errors would be picked up during test execution for that controller:

```
1) Error:
Api::V2::AutosignControllerTest#test_0003_should_not_create_autosign_entry:
SyntaxError: /home/dcleal/code/foreman/foreman/app/controllers/api/v2/autosign_controller.rb:44: s
yntax error, unexpected ':', expecting =>
      render :status => 500, :json => { "error": exception.message }
                                   ^
/home/dcleal/code/foreman/foreman/app/controllers/api/v2/autosign_controller.rb:44: syntax error,
unexpected '}', expecting keyword_end
```

(if running the controller test specifically)

Moving the constantization inside the test should make it act like other tests.

Associated revisions

Revision e053898f - 02/21/2017 08:09 AM - Dominic Cleal

fixes #18565 - move constantize inside access permission tests

Matches normal test loading so constants (and source files) are only loaded when the test is executed. Syntax errors will then cause a failure for tests loading the file instead of outside the test process.

History

#1 - 02/20/2017 03:50 AM - The Foreman Bot

- Status changed from Assigned to Ready For Testing
- Assignee set to Dominic Cleal
- Pull request <https://github.com/theforeman/foreman/pull/4305> added

#2 - 02/21/2017 09:01 AM - Dominic Cleal

- Status changed from Ready For Testing to Closed
- % Done changed from 0 to 100

Applied in changeset [e053898fa6cafb65b20cbf4c4457314d532d1eeb](#).

#3 - 02/22/2017 06:49 AM - Dominic Cleal

- translation missing: en.field_release set to 209