

ChefSpec

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First Reaction: Excitement

Uses rpsec testing tool

Provides really fast feedback (no virtual machines)

Looks easy

An Example

```
it "should install foo" do
  chef_run.should install_package 'foo'
end
```

Second Thoughts

Documentation sucked

Simple test added to existing cookbook
failed

Realized that all Ohai data is missing

Along Comes Seth

Seth Vargo (@sethvargo)

Fauxhai: Mocks Ohai data

Colander: Runs knife test, foodcritic,
chefspect, etc.

spec/spec_helper.rb

```
require 'chefspect'  
require 'fauxhai'  
  
current_dir = File.dirname(__FILE__)  
  
# Use User's knife config if it exists  
config = "#{current_dir}/../../.chef/knife.rb"  
  
# Use a generic config if it doesn't  
config = "#{current_dir}/chef/chef_config.rb" \  
  unless File.exists?(config)  
  
Chef::Config.from_file(config)  
  
def stub_search(result)  
  Chef::Recipe.any_instance.stub(:search).and_return(result)
```

[cookbook]/spec/default_spec.rb

```
require 'spec_helper'

recipe = "www-varnish::default"

describe recipe do
  before(:all) do
    # Set variables to be used by tests here
    @lb1 = Hash.new
    @lb1['rfe-8000_vip'] = "10.0.1.170"
    @lb1['clipart_vip'] = "10.0.1.171"
    Fauxhai.mock(platform:'ubuntu', version:'10.04') do |n|
      # Set node attributes
      n['chef_environment'] = 'production'
    end
  end

  before(:each) do
    @chef_run = ChefSpec::ChefRunner.new
    stub_search(@lb1)
  end
end
```

Stubbing a Search

```
it "Should set backend to 127.0.0.1 if no results" do
  stub_search(Array.new)
  @chef_run.converge(recipe).should \
    create_file_with_content \
      '/etc/varnish/backends.vcl', \
      ".host = \"127.0.0.1\""
end

it "Should set backend @lb1 if lb1 is returned in search re
  @chef_run.converge(recipe)
  @lb1.each do |k,v|
    @chef_run.should \
      create_file_with_content \
        '/etc/varnish/backends.vcl', \
        ".host = \"#{v}\""
  end
end
```


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