

Gem Development with RubyMine

A RubyGem, commonly called just a gem, is a packaged Ruby library, which installation allows you use the functionality of a common library in your application. This tutorial is meant to explain how to create and deploy a RubyGem.

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7. Gem Publishing

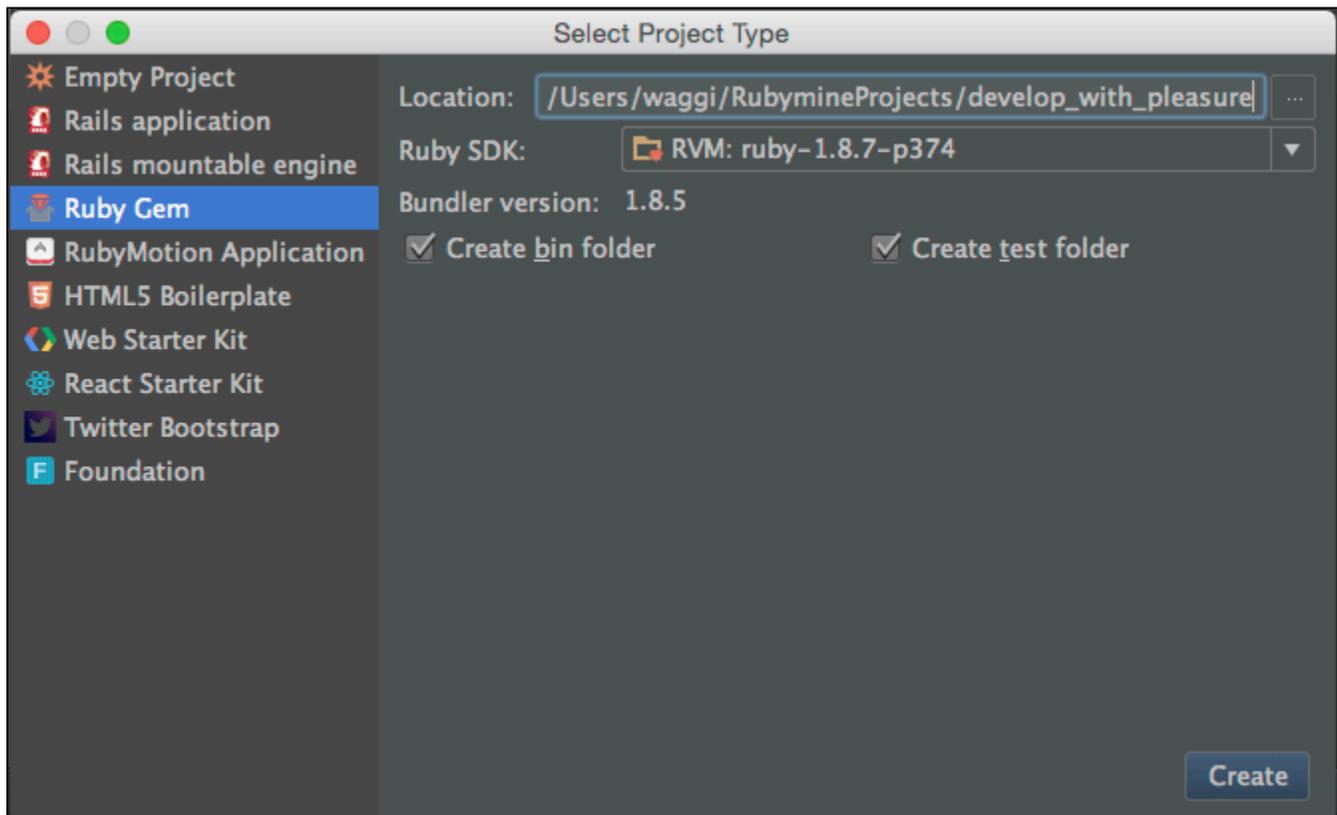
0. Prerequisites

Make sure the following prerequisites are met:

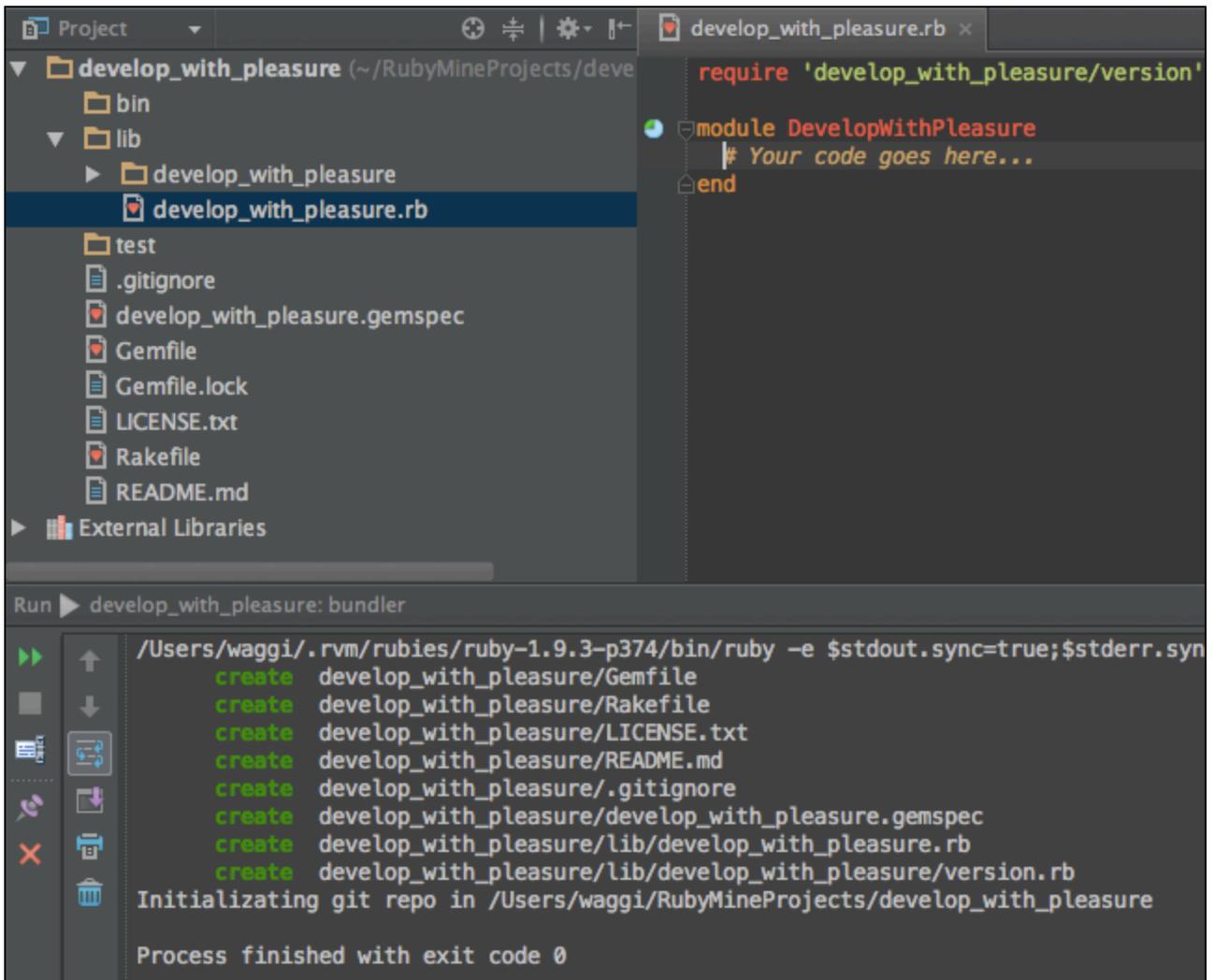
- RubyGems gem is installed.
- Bundler gem is installed.

1. Creating a New Gem App

Creating a new gem can be done by going to File | New Project... and choosing Ruby Gem. Specify location and name of the project, then choose Ruby SDK supposed to be used for the project and set Create bin folder and Create test folder if these folders are required to be generated for the project:

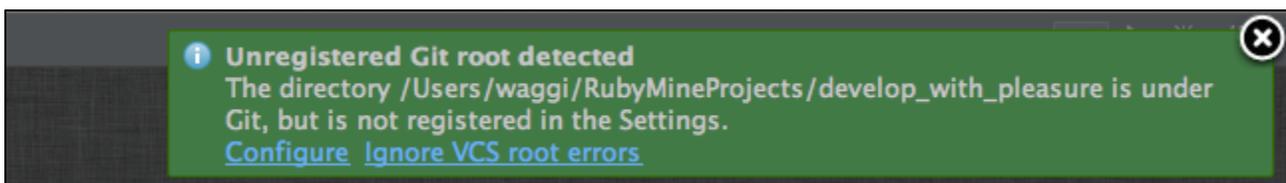


The skeleton of the application is automatically generated:



2. Configuring Git Root

Unregistered Git root notification appears as soon as the application structure is ready:

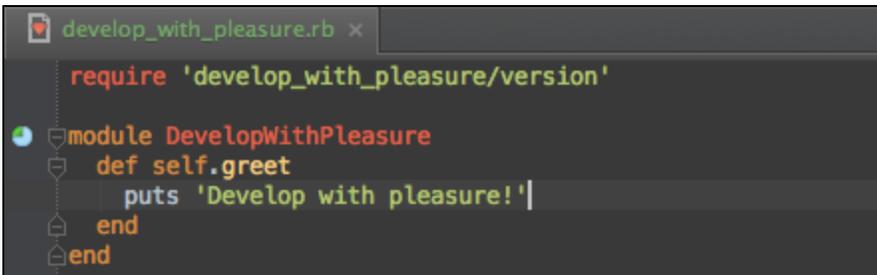
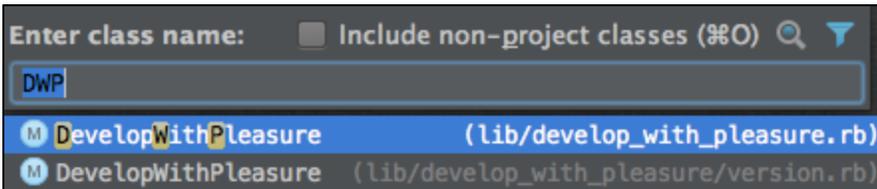


Press `Configur` or go to `Settings` -> `Version Control` and add application root to version control if required:

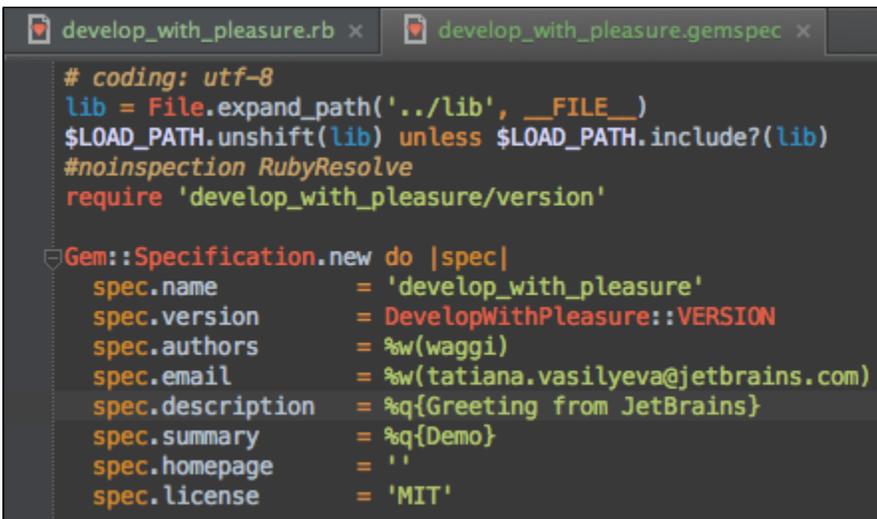
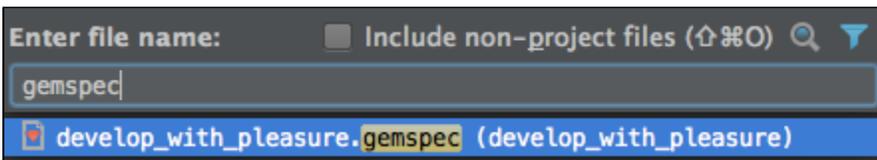


3. Adding Working Code

Navigate to the main module (`O/Ctrl+N`) and add the code expected to be doing something:

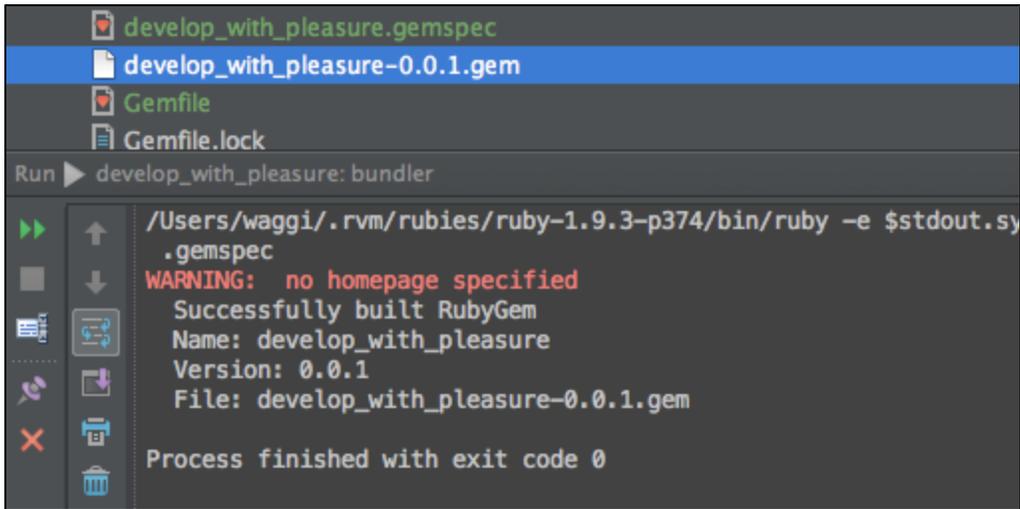


Then navigate to Gemspec file (O/Ctrl+Shift+N) and set up the summary and description sections:



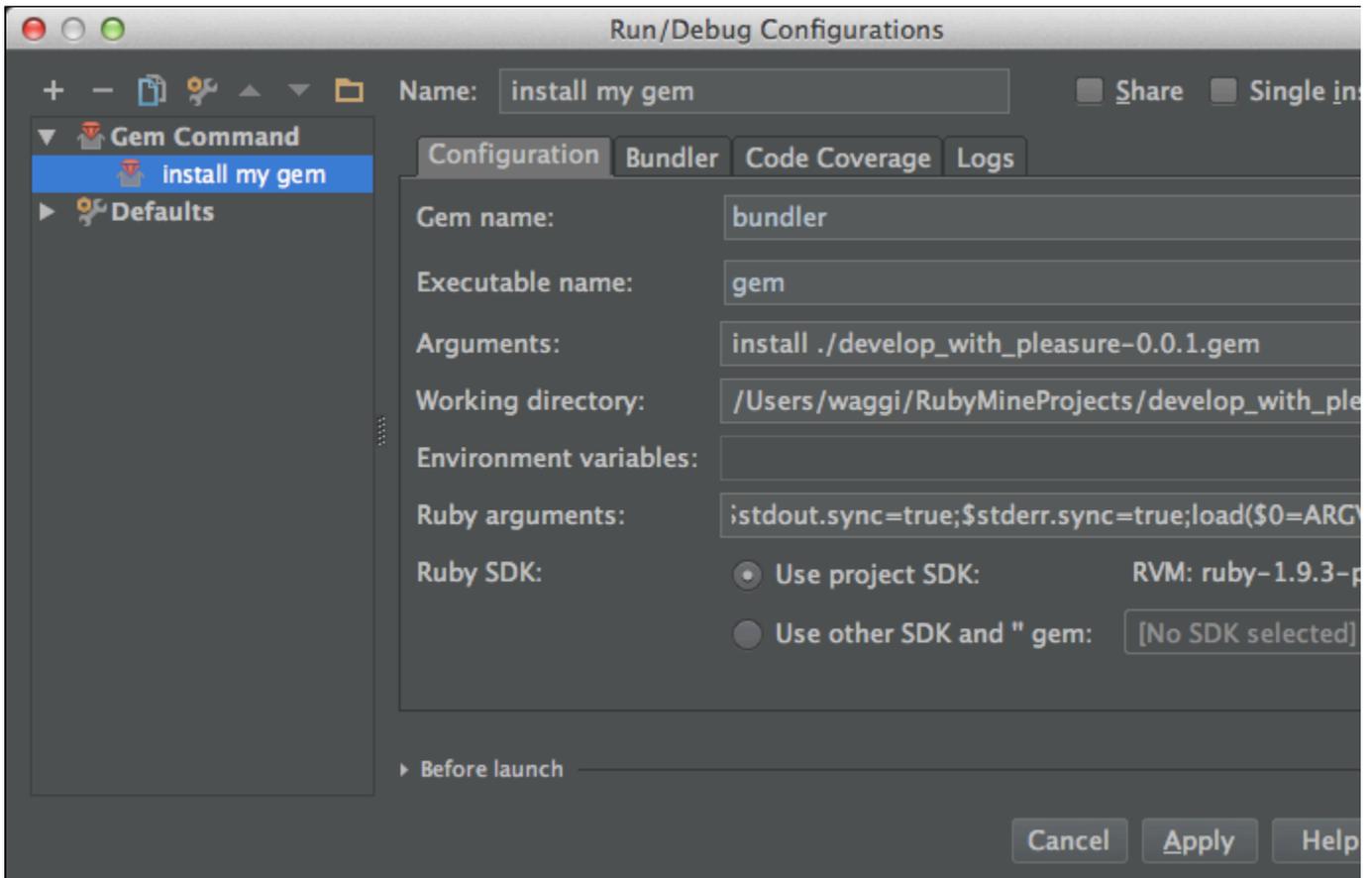
4. Building Gem

Go to the Tools | Gem menu and select Build Gem option. After the gem is built a file with the gem extension can be found in the project view:



5. Installing Gem Locally

Before being uploaded to RubyGems repository the gem needs to be tested, so lets install the gem. Go to Run | Edit Configurations...and add a new Gem Commandas described:



Apply the changes and run the configuration (R/Shift+F10), wait for the gem being installed:

```
Run install my gem
/Users/waggi/.rvm/rubies/ruby-1.9.3-p374/bin/ruby -e $stdout.sync=true;$stderr.sync=true
./develop_with_pleasure-0.0.1.gem
Successfully installed develop_with_pleasure-0.0.1
1 gem installed
Installing ri documentation for develop_with_pleasure-0.0.1...
Building YARD (yri) index for develop_with_pleasure-0.0.1...
Installing RDoc documentation for develop_with_pleasure-0.0.1...
Process finished with exit code 0
```

6. Smoke Testing with IRB

To test the gem run IRB console (Tools | Run IRB Console...) and call the methods of the newly installed gem:

```
Run IRB console
/Users/waggi/.rvm/rubies/ruby-1.9.3-p374/bin/ruby -e $stdout.sync=true;$stderr.sync=true
Switch to inspect mode.
>> require 'develop_with_pleasure'
=> true
?> DevelopWithPleasure.greet
Develop with pleasure!
=> nil
```

7. Gem Publishing

 RubyMine uses [RubyGems.org](https://rubygems.org) as a default gem repository. If it is the first time you're publishing your gem, make sure you are signed up to RubyGems and your credentials are set. [Read more in RubyGems guides.](#)

Gem can now be pushed with Tools | Gem -> Push Gem option:

```
Run develop_with_pleasure_mine: bundler
/Users/waggi/.rvm/rubies/ruby-1.9.3-p374/bin/ruby -e $stdout.sync=true;$stderr.sync=true
develop_with_pleasure-0.0.1.gem
Pushing gem to https://rubygems.org...
Successfully registered gem: develop_with_pleasure (0.0.1)
Process finished with exit code 0
```

If you want to use your own gem repository, please change your .gemspec file according to [RubyGems guides](#):

```
Gem::Specification.new 'develop_with_pleasure' do |spec|
  # ...
  spec.metadata['allowed_push_host'] = 'https://gems.my-company.example'
end
```