

1. Sign up for Cloud9 at c9.io
2. Create a new Workspace under the Rails option.
3. Delete the current files and directories within your workspace.
4. Check rails is installed!

```
bash - "jmdharkness" x Immediate x +
jmdharkness:~/workspace $ rails
jmdharkness:~/workspace $ rails
Usage: rails COMMAND [ARGS]

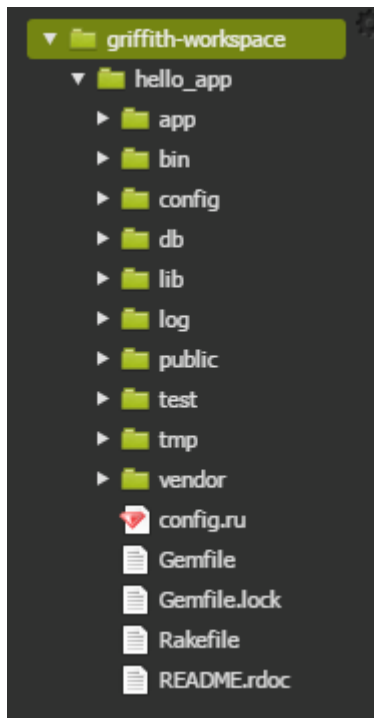
The most common rails commands are:
generate  Generate new code (short-cut alias: "g")
console   Start the Rails console (short-cut alias: "c")
server    Start the Rails server (short-cut alias: "s")
dbconsole  Start a console for the database specified in config/database.yml
           (short-cut alias: "db")
new       Create a new Rails application. "rails new my_app" creates a
           new application called MyApp in "./my_app"

In addition to those, there are:
destroy   Undo code generated with "generate" (short-cut alias: "d")
plugin new Generates skeleton for developing a Rails plugin
runner    Run a piece of code in the application environment (short-cut alias: "r")

All commands can be run with -h (or --help) for more information.
```

5. Create new rails application using NEW command.

```
jmdharkness:~/workspace $ rails new hello_app
create
create  README.rdoc
create  Rakefile
create  config.ru
create  .gitignore
create  Gemfile
create  app
create  app/assets/javascripts/application.js
create  app/assets/stylesheets/application.css
create  app/controllers/application_controller.rb
create  app/helpers/application_helper.rb
create  app/views/layouts/application.html.erb
create  app/assets/images/.keep
create  app/mailers/.keep
create  app/models/.keep
create  app/controllers/concerns/.keep
create  app/models/concerns/.keep
create  bin
```



6. Move to App directory within command prompt (Note folder structure same as above)

```
jmdharkness:~/workspace $ cd hello_app/
jmdharkness:~/workspace/hello_app $ ls
Gemfile  Gemfile.lock  README.rdoc  Rakefile  app/  bin/  config/  config.ru  db/  lib/  log/  public/  test/  tmp/  vendor/
jmdharkness:~/workspace/hello_app $
```

7. Gemfile contains list of Gems that will be used in this app. Maybe required to add more or update versions as you develop the App.

```
[M] /README.md x Gemfile x +
1 source 'https://rubygems.org'
2
3
4 # Bundle edge Rails instead: gem 'rails', github: 'rails/rails'
5 gem 'rails', '~> 4.2.5'
6 # Use sqlite3 as the database for Active Record
7 gem 'sqlite3'
8 # Use SCSS for stylesheets
9 gem 'sass-rails', '~> 5.0'
10 # Use Uglifier as compressor for JavaScript assets
11 gem 'uglifier', '~> 1.3.0'
12 # Use CoffeeScript for .coffee assets and views
13 gem 'coffee-rails', '~> 4.1.0'
14 # See https://github.com/rails/execjs#readme for more supported runtimes
15 # gem 'therubyracer', platforms: :ruby
16
17 # Use jquery as the JavaScript library
18 gem 'jquery-rails'
19 # Turbolinks makes following links in your web application faster. Read more: https://github.com/rails/turbolinks
20 gem 'turbolinks'
21 # Build JSON APIs with ease. Read more: https://github.com/rails/jbuilder
22 gem 'jbuilder', '~> 2.0'
23 # bundle exec rake doc:rails generates the API under doc/api.
24 gem 'sdoc', '~> 0.4.0', group: :doc
25
26 # Use ActiveSupport's has_secure_password
27 # gem 'bcrypt', '~> 3.1.7'
28
29 # Use Unicorn as the app server
30 # gem 'unicorn'
```

8. Type the following to download and install required Gems using Bundler:

```
jmdharkness:~/workspace/hello_app $ bundle install
Using rake 10.5.0
Using i18n 0.7.0
Using json 1.8.3
Using minitest 5.8.4
Using thread_safe 0.3.5
Using builder 3.2.2
Using erubis 2.7.0
Using mini_portile2 2.0.0
Using rack 1.6.4
Using mime-types 2.99
Using arel 6.0.3
Using debug_inspector 0.0.2
Using byebug 8.2.2
Using coffee-script-source 1.10.0
Using execjs 2.6.0
```

Note: if Gemfile contains **group: production** ie Gems only required at production, these can be excluded from above command by typing

bundle install --without production

9. Lets run our App. Can use the following command:

rails server

OR

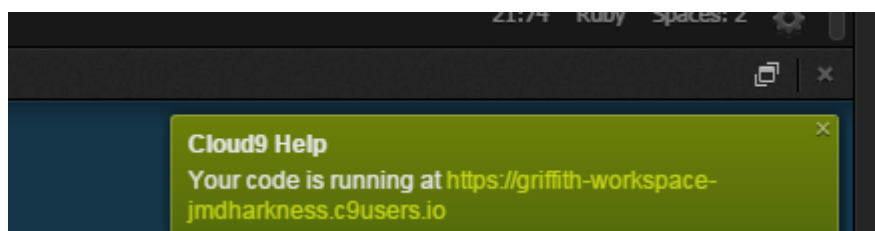
rails s

If using Cloud9, we need to type the following command:

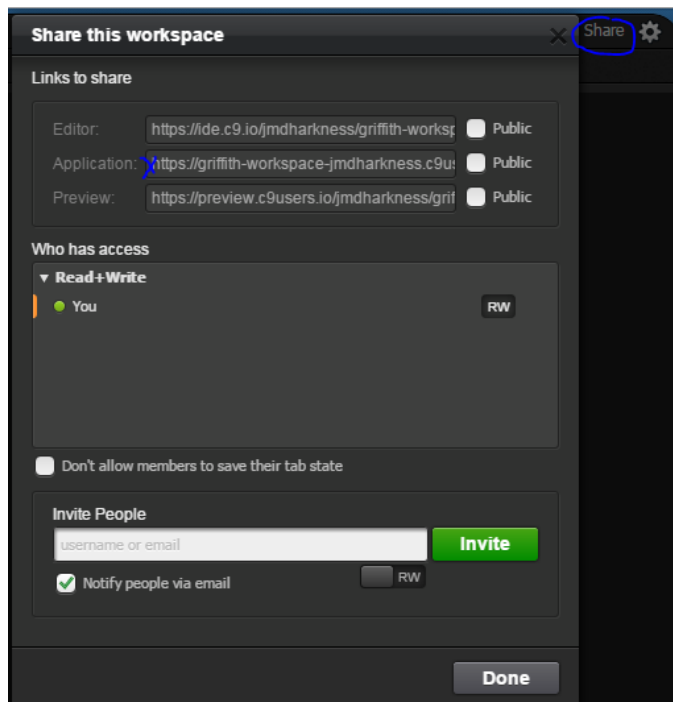
rails server -b \$IP -p \$PORT

```
jmdharkness:~/workspace/hello_app $ rails server -b $IP -p $PORT
=> Booting WEBrick
=> Rails 4.2.5 application starting in development on http://0.0.0.0:8080
=> Run `rails server -h` for more startup options
=> Ctrl-C to shutdown server
[2016-02-07 15:34:18] INFO WEBrick 1.3.1
[2016-02-07 15:34:18] INFO ruby 2.3.0 (2015-12-25) [x86_64-linux]
[2016-02-07 15:34:18] INFO WEBrick::HTTPServer#start: pid=1062 port=8080
```

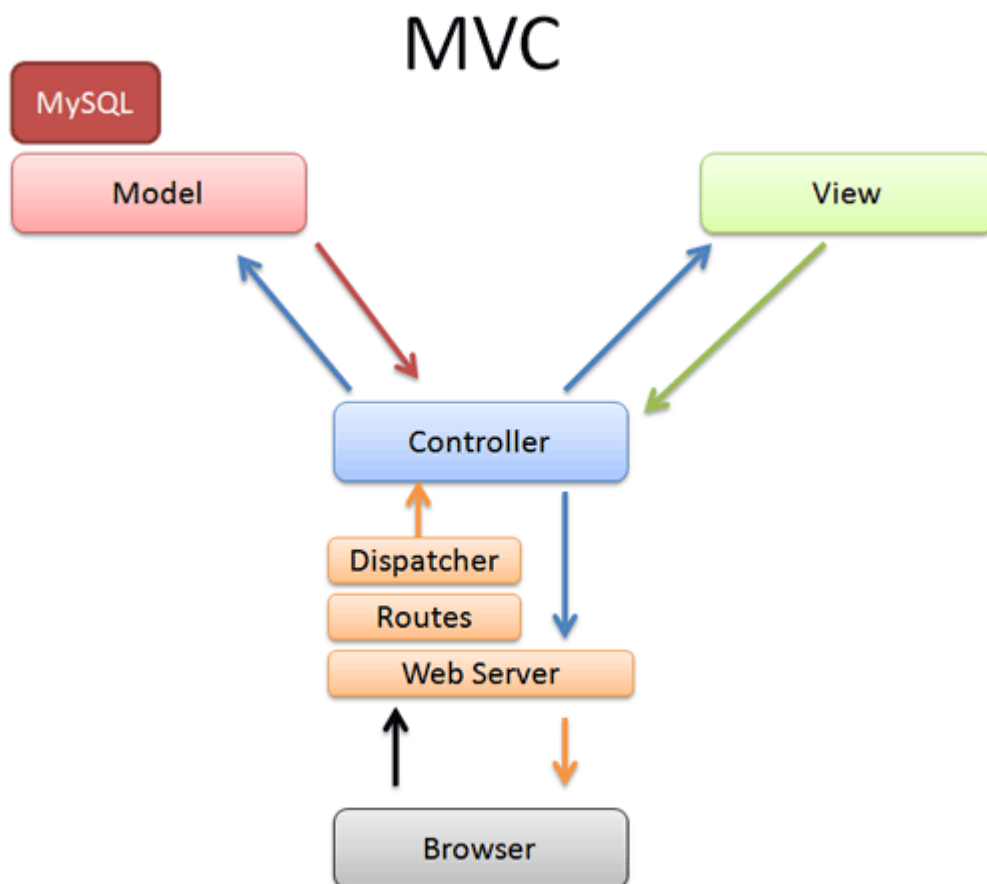
If you click the link that pops up it should bring you to your App Running.



If you experience Difficulties with the above link, you can find the URL under the SHARE and Copy the URL under Application:



10. Model View Controller



11. Navigate to Controller ***application_controller*** and create new method named helloWorld.

```
class ApplicationController < ActionController::Base
  # Prevent CSRF attacks by raising an exception.
  # For APIs, you may want to use :null_session instead.
  protect_from_forgery with: :exception
  def helloWorld
    render text: "Hello World!!!"
  end
end
```

12. Change the Root Route in the routes.rb file, under the Config Directory. Uncomment, and point root route at 'application#helloWorld'

```
# You can have the root of your site routed with "root"
# root 'welcome#index'

# Example of regular route:
# get 'products/:id' => 'catalog#view'
```