

• 環境配置と簡単なrails作る

```
saikaba-no-MacBook-Pro:~ saika$ echo "hello world"
hello world
saikaba-no-MacBook-Pro:~ saika$ ruby -v
ruby 2.2.0p8 (2014-12-25 revision 49005) [x86_64-darwin16]
saikaba-no-MacBook-Pro:~ saika$ rails -v
Expected string default value for '--rc'; got false (boolean)
Rails 4.2.7.1
saikaba-no-MacBook-Pro:~ saika$ gem install rails -v 5.0.3
ERROR:  Error installing rails:
        rake requires Ruby version >= 2.2.2.
saikaba-no-MacBook-Pro:~ saika$ cd documents
saikaba-no-MacBook-Pro:documents saika$ cd playground
saikaba-no-MacBook-Pro:playground saika$ rails _4.2.7.1_ new hello_app
Expected string default value for '--rc'; got false (boolean)

  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  vendor/assets/javascripts/.keep
  create  vendor/assets/stylesheets
  create  vendor/assets/stylesheets/.keep
  run bundle install
  run bundle install
  Fetching gem metadata from https://rubygems.org/.....
  Fetching version metadata from https://rubygems.org/..
  Fetching dependency metadata from https://rubygems.org/.
  Resolving dependencies...
  Using rake 12.0.0
  Using i18n 0.8.6
  Using json 1.8.6
  Installing json 1.8.6 with native extensions
  Using minitest 5.10.2
  Using thread_safe 0.3.6
  Using builder 3.2.3
  Using erubis 2.7.0
  Using mini_portile2 2.2.0
  Fetching rack 1.6.8
  Installing rack 1.6.8
  Using mime-types-data 3.2016.0521
  Fetching arel 6.0.4
  Installing arel 6.0.4
  Using bundler 1.15.1

Using railties 4.2.7.1
Using sprockets-rails 3.2.0
Using coffee-rails 4.1.1
Using jquery-rails 4.3.1
Using rails 4.2.7.1
Using sass-rails 5.0.6
Using web-console 2.3.0
Bundle complete! 12 Gemfile dependencies, 60 gems now installed.
Use `bundle info [gemname]` to see where a bundled gem is installed.
  run bundle exec spring binstub --all
* bin/rake: spring inserted
* bin/rails: spring inserted
saikaba-no-MacBook-Pro:olavoround saika$ cd hello app
```

- rubyとrailsのバージョンを検索する。
- railsのappを作る。
- ここまで完了する。

```
saikaba-no-MacBook-Pro:hello_app saika$ bundle install
Using rake 12.0.0
Using i18n 0.8.6
Using json 1.8.6
Using minitest 5.10.2
Using thread_safe 0.3.6
Using builder 3.2.3
Using erubis 2.7.0
Using mini_portile2 2.2.0
Using rack 1.6.8
Using mime-types-data 3.2016.0521

Using coffee-rails 4.1.1
Using jquery-rails 4.3.1
Using rails 4.2.7.1
Using sass-rails 5.0.6
Using web-console 2.3.0
Bundle complete! 12 Gemfile dependencies, 60 gems now installed.
Use `bundle info [gemname]` to see where a bundled gem is installed.
saikaba-no-MacBook-Pro:hello_app saika$ rails server
=> Booting WEBrick
=> Rails 4.2.7.1 application starting in development on http://localhost:3000
=> Run `rails server -h` for more startup options
=> Ctrl-C to shutdown server
[2017-07-15 12:57:46] INFO  WEBrick 1.3.1
[2017-07-15 12:57:46] INFO  ruby 2.2.0 (2014-12-25) [x86_64-darwin16]
[2017-07-15 12:57:46] INFO  WEBrick::HTTPServer#start: pid=6342 port=3000

Started GET "/" for ::1 at 2017-07-15 12:58:07 +0900
Processing by Rails::WelcomeController#index as HTML
  Rendered /Users/saika/.rvm/gems/ruby-2.2.0/gems/railties-4.2.7.1/lib/rails/tem
plates/rails/welcome/index.html.erb (1.5ms)
Completed 200 OK in 18ms (Views: 10.4ms | ActiveRecord: 0.0ms)
```

- Railsアプリケーションを新規作成したら、次はBundlerを実行してgemをインストールします
- rails serverを実行するだけでRailsアプリケーションを簡単に起動することができます
- ローカルサーバーの場合はhttp://localhost:3000/をブラウザで開きます

ここまで、環境配置と簡単なrails作りました。

• Herokuの配置

```
source 'https://rubygems.org'

gem 'rails', '5.0.3'
gem 'puma', '3.9.1'
gem 'sass-rails', '5.0.6'
gem 'uglifier', '3.2.0'
gem 'coffee-rails', '4.2.2'
gem 'jquery-rails', '4.3.1'
gem 'turbolinks', '5.0.1'
gem 'builder', '2.6.4'

group :development, :test do
  gem 'sqlite3', '1.3.13'
  gem 'byebug', '9.0.6', platform: :mri
end

group :development do
  gem 'web-console', '3.5.1'
  gem 'listen', '3.0.8'
  gem 'spring', '2.0.2'
  gem 'spring-watcher-listen', '2.0.1'
end

group :production do
  gem 'pg', '0.20.0'
end
```

まずはGemfileを変更する。

(最初のgem 'sqlite3'のdelectを忘れずに)

```
saikaba-no-MacBook-Pro:hello_app saika$ bundle install --without production
Using rake 12.0.0
Using i18n 0.8.6
Using json 1.8.6
Using minitest 5.10.2
Using thread_safe 0.3.6
Using builder 3.2.3
Using erubis 2.7.0
Using mini_portile2 2.2.0
Using rack 1.6.8
Using mime-types-data 3.2016.0521
Using arel 6.0.4
Using thor 0.19.4
Using concurrent-ruby 1.0.5
Using bundler 1.15.1
Using sqlite3 1.3.13
Using rb-fsevent 0.10.2
Using ffi 1.9.18
Using tilt 2.0.7
Using execjs 2.7.0
Using coffee-script-source 1.12.2
Using turbolinks-source 5.0.3

Using sprockets-rails 3.2.0
Using coffee-rails 4.1.1
Using jquery-rails 4.3.1
Using rails 4.2.7.1
Using sass-rails 5.0.6
Using web-console 2.3.0
Bundle complete! 12 Gemfile dependencies, 60 gems now installed.
Gems in the group production were not installed.
Use `bundle info [gemname]` to see where a bundled gem is installed.
saikaba-no-MacBook-Pro:hello_app saika$
```

bundle installに特殊なフラグ「--without production」を追加します。

```
saikaba-no-MacBook-Pro:hello_app saika$ heroku version
-bash: heroku: command not found
saikaba-no-MacBook-Pro:hello_app saika$ heroku version
heroku-cli: Updating to 6.12.8-ec1843e... 12.2 MB/12.2 MB
heroku-cli/6.12.8-ec1843e (darwin-x64) node-v8.1.4
```

MacOS Installer

Download and run the [MacOS installer](#).

Compatible with 10.7+

<https://devcenter.heroku.com/articles/heroku-cli#macos>

ここで、heroku toolbeltをインストールする。バージョンを調べる。

```
saikaba-no-MacBook-Pro:hello_app saika$ git commit -a -m "Update Gemfile for Heroku again"
[master 0787573] Update Gemfile for Heroku again
 1 file changed, 2 insertions(+)
saikaba-no-MacBook-Pro:hello_app saika$ heroku login
Enter your Heroku credentials:
Email: saika@toki.waseda.jp
[Password: *****]
Logged in as saika@toki.waseda.jp
saikaba-no-MacBook-Pro:hello_app saika$ heroku create
Creating app... done, ● supermarche-molieres-19317
https://supermarche-molieres-19317.herokuapp.com/ | https://git.heroku.com/supermarche-molieres-19317.git
```

- 変更をコミットする。
- herokuをログインする。

(このURLは最後自分のウェブサイトのURLです)

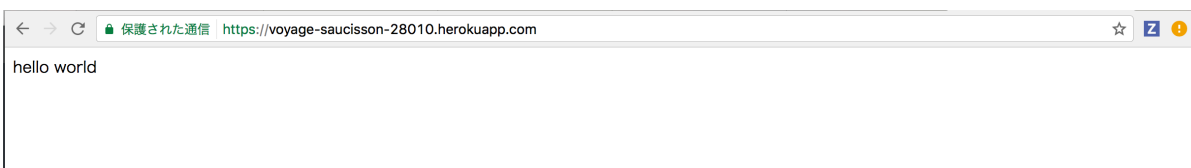
```
saikaba-no-MacBook-Pro:hello_app saika$ git push heroku master
Counting objects: 75, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (62/62), done.
Writing objects: 100% (75/75), 17.52 KiB | 0 bytes/s, done.
Total 75 (delta 0), reused 0 (delta 0)
remote: Compressing source files... done.
remote: Building source:
remote:
remote: ----> Ruby app detected
remote: ----> Compiling Ruby/Rails
remote: ----> Using Ruby version: ruby-2.3.4
remote: ----> Installing dependencies using bundler 1.15.1
remote: Running: bundle install --without development:test --path vendor/bundle --binstubs vendor/bundle/bin -j4 --deployment
remote: Fetching gem metadata from https://rubygems.org/.....
remote: Fetching version metadata from https://rubygems.org/.
remote: Fetching dependency metadata from https://rubygems.org/.
remote: Fetching rake 12.0.0
remote: Fetching i18n 0.8.6
remote: Fetching json 1.8.6
remote: Installing i18n 0.8.6
remote: Installing rake 12.0.0
remote: Installing json 1.8.6 with native extensions
remote:
remote: ----> Discovering process types
remote: Profile declares types -> (none)
remote: Default types for buildpack -> console, rake, web, worker
remote:
remote: ----> Compressing...
remote: Done: 39.2M
remote: ----> Launching...
remote: Released v5
remote: https://voyage-saucisson-28010.herokuapp.com/ deployed to Heroku
remote:
remote: Verifying deploy... done.
To https://git.heroku.com/voyage-saucisson-28010.git
 * [new branch] master -> master
```

- Railsアプリケーションを実際にHerokuにデプロイするには、まずGitを使用してHerokuにリポジトリをプッシュします。
- 第二の図のnew branchまで出たら、完了する。

```
saikaba-no-MacBook-Pro:hello_app saika$ heroku run rake db:migrate
Running rake db:migrate on ● voyage-saucisson-28010... up, run.6614 (Free)
The PGconn, PGresult, and PGError constants are deprecated, and will be removed as of version 1.0.

You should use PG::Connection, PG::Result, and PG::Error instead, respectively.

Called from /app/vendor/bundle/ruby/2.3.0/gems/activesupport-4.2.7.1/lib/active_support/dependencies.rb:240:in `load_dependency'
saikaba-no-MacBook-Pro:hello_app saika$ heroku open
saikaba-no-MacBook-Pro:hello_app saika$
```



heroku run rake db:migrateをやって、herokuを開ける。

(URLは先URLです)