

GEDİZUNIVERSITY

Computer Engineering Department

COM401
Software Engineering
Laboratory



DEPLOYMENT ON HEROKU

Let's assume that we deploy our blog application we already developed in the lab on Heroku. You can follow the steps below for deployment.

1. You need to a heroku account if you do not have already.
2. Download and install Heroku Toolbelt.
3. We need to add our code to version control. Open a command line from Windows, go to your BlogApplication folder inside. Then,write the followings in the terminal:

```
git init
git add .
git commit -m "initial commit"
```

4. We need to get our database(*.sqlite3) to work on Heroku, which uses a different database. Please change the following in the Gemfile:

```
gem 'sqlite3'

to
group :development do
  gem 'sqlite3'
end
group :production do
  gem 'pg'
end
```

5. We need to bundle install because of the changing in the GemFile.

Then write `bundle install` on the command line. You should see a message like below saying that your bundle is complete!

```
Using sqlite3 1.3.10
Using turbolinks 2.5.2
Using uglifier 2.5.3
Your bundle is complete!
```

6. Next, we need to add **rails_12factor** line into our Gemfile.Since this gem makes our app available on Heroku.
7. Please change the following lines in the Gemfile:

```
|group :production do
  gem 'pg'
end

to

group :production do
  gem 'pg'
```

```
gem 'rails_12factor'
```

end

8. Again do a **bundle install**

9. Next, commit the changes to Gemfile.lock to your repository by running the following line into the terminal.

```
git commit -a -m "Added rails_12factor gem and updated Gemfile.lock"
```

10. Now, we are ready to deployment on Heroku. First, we need to create an application on Heroku. Just write the following line into the terminal

heroku create blogappdemo

After creating the application on Heroku, you should see a screen like below.



```
C:\Users\arzum.karatas\RubymineProjects\BlogApplication>heroku create blogappdemo
Creating blogappdemo... done, stack is cedar-14
https://blogappdemo.herokuapp.com/ | https://git.heroku.com/blogappdemo.git
Git remote heroku added
```

11. Write to terminal the following

heroku login

12. Also you can see your newly created application on <https://dashboard.heroku.com/apps>

13. Now, let's create a new Git repository

git init

heroku git:remote -a blogappdemo

14. Add a "Post" model in your blog application by using **scaffold**.

15. Now, we reflect the all changes into Heroku by writing the following line in the terminal

git add .

git commit -am "Post model is scaffolded"

git push heroku master

16. Next we need to migrate our database like we did locally by typing to the command line

heroku run rake db:migrate

17. Now you can open the you project on heroku by writing

heroku open

[If your assets does not seen](#)

Open **production.rb** under **config/environments** folders. Be sure that your file contains the lines below.

```
config.cache_classes = true
config.serve_static_assets = true
config.assets.compile = true
config.assets.digest = true
```

Then, return terminal window again write the followings

git add .

git commit -a -m “production.rb is updated for assets”

git push heroku master

heroku open

Note that you can add an image titled as “logo.jpg” and resided in app/assets/images folder into a html.erb file by using `<% = image_tag “logo.jpg”>`