

Software Engineering



Reykjavik University
Computer Science

Administration Manual

Hootie and the Swagfish
Akureyri

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Introduction

This manual will show step by step how to setup the project on a continuous integration service called [Travis](#) and also connect the project to a cloud platform called [Heroku](#). To be able to do this you first need to set up git on your computer. If you're having problems setting up git you can either see our Development manual for instructions or use this [guide](#) created by GitHub

Setup

To set this project up on a server you first have to clone/fork [the repository](#) onto your computer.

```
git clone https://github.com/swagfish/TicTacToe
```

To be able to use Travis you must go to their [website](#) and sign in using your GitHub account. After you have signed in you might need to sync your repositories from GitHub. To do that you'll need to click the "+" symbol next to "My repositories" and there click on the "Sync GitHub" button. After the syncing is done you should be able to select the repository swagfish/TicTacToe and turn it on by clicking on the switch button.



swagfish/TicTacToe

To setup Heroku you need to go to their [website](#) and create an account. After that you must set up the [Heroku toolbelt](#). Download and run the installer for your OS.

If you are using Ubuntu you can then run the following command:

```
wget -O- https://toolbelt.heroku.com/install-ubuntu.sh | sh
```

If you are on Windows you can this instead

```
wget -qO- https://toolbelt.heroku.com/install.sh | sh
```

To check if the installation worked you can run this command:

```
heroku --version
```

You should see something like this

```
heroku-toolbelt/3.43.12 (x86_64-linux) ruby/1.9.3  
heroku-cli/5.4.7-8dc2c80 (linux-amd64) go1.7.1
```

After you've created a Heroku account and installed the toolbelt you can log with the account you created by running this command and inserting email and password:

```
heroku login
```

Next, you can create the app on Heroku by running this command. Note if "NameOfApp" is empty Heroku will choose a random name for the app. The app is now available on Heroku but currently there is nothing there. We will add this later on.

```
heroku create NameOfApp
```

After that you'll need to update your build.gradle file. Add this code beneath your dependencies. This means that when we run the stage task with gradle it has to run installDist first. This is used so we get a runnable file

```
task stage {  
    dependsOn installDist  
}
```

By running `./gradlew stage` you should see something like this, and note that installDist is now runs before stage:

```
:processResources  
:classes  
:jar  
:startScripts  
:installDist  
:stage
```

You'll then need to create a new file called Procfile with your favorite text editor, for example nano, vim or emacs. There you'll have to add this following code

```
web: build/install/tictactoe/bin/tictactoe
```

We're almost done! Next you need to add both files to GitHub with the following code:

```
git add Procfile  
git add build.gradle  
git commit -m "Heroku"  
git push heroku master
```

By running this command the project should now be hosted on Heroku and you can access it with the [name you chose](#) or <https://nameYouChose.herokuapp.com/>.