

Exercise (Instructions): Building and Deploying to Android Emulator

Objectives and Outcomes

In this exercise you will learn about configuring, building and deploying your Ionic app to an Android emulator. At the end of this exercise, you will be able to:

- Configure and build your Ionic app for the Android platform
- Deploy your app to an Android emulator

Updating localhost to the IP address of your computer

- Find out the IP address of your computer. On a Mac, go to System Preferences->Network to find the IP address of your network adapter. If you are using a Microsoft Windows based machine, you can use the instructions available at <http://windows.microsoft.com/en-us/windows/find-computers-ip-address#1TC=windows-7> to find your machine's IP address.
- Open services.js, and change the localhost in the following line to the IP address of your computer:

```
.constant("baseUrl", "http://<Your Machine's IP Address>:3000/")
```

- For example, if your IP address is 192.168.1.121, then the above line should be as follows:

```
.constant("baseUrl", "http://192.168.1.121:3000/")
```

- Save the changes.
- Make sure that your json-server is up and running

Configure, build and Deploy to an Android Emulator

- Open a terminal window and go to the conFusion folder where you have your Ionic application.
- Next, add the Android platform to your app by typing the following at the prompt:

```
ionic platform add android
```

- Then, build the app for the Android platform as follows:

```
ionic build android
```

- Finally, you can deploy the app to the Android emulator by typing the following at the prompt:

```
ionic emulate android
```

- This will start your default Android emulator and deploy the app to the emulator, and run the app.
- If you happen to have an Android device and are willing to use it for development, then configure the device to allow development on the device. The exact procedure depends on the manufacturer and model of the device. Check for these instructions either within your device manual, or online.
- Connect your Android device to the computer. Then, at the command prompt, type the following:

```
ionic run android
```

- This should deploy the app to the device and open the app on the device.

Conclusions

In this exercise, you learnt to configure, build and deploy your app to an iOS emulator.