

# Antbuildz-by-leafcutters Deployment Guide

## Configurations for setting up Antbuildz Application

In application.properties file

1. Edit *#externalised variables* section
  - a. From.email
    - i. This is the email address you will be sending emails FROM, to the clients and partners
    - ii. The login and authentication step happens in step #2
  - b. Request.expiry.seconds
    - i. This is the time in milliseconds that users have to respond to a partner's bid
2. Edit *#email login and authentication section*
  - a. Enter your email username and password here
  - b. For Gmail, you need to allow external apps by:
    - i. *Account Settings -> Security -> Less secure app access -> Turn on access(not recommended)*
  - c. This allows the antbuildz app to access your gmail account
3. Edit *#database setup*
  - a. Input your database url, username and password here
4. Edit *#admin account credentials*
  - a. This will be used for logging in as admin account where you can:
    - i. Approve user requests to be partners
    - ii. Edit/configure bid recommendation prices
  - b. The default is set to username and password as *admin*

Leave the other configurations as they are

## Compiling .jar file

For Mac:

Open terminal in project root:

1. Run `./mvnw clean package`
2. Then `./mvnw spring-boot:run`

For Windows:

Open terminal in project root:

1. Run `mvn clean package`
2. Then `mvn spring-boot:run`

## Running .jar file

For Mac and Windows:

In directory where .jar file is, run

1. `java -jar <name of jar file>.jar`

- a. *E.g. usage: java -jar antbuildz-0.0.1-SNAPSHOT.jar*

## Cloud Deployment to Heroku

**\*\*Ensure that .jar file can be successfully built and run before attempting deployment to Heroku (it is easier to debug)**

### Project Config

1. Open project in any IDE
2. In project root folder, create file *system.properties*
3. Add this single line to the file:
  - a. `java.runtime.version=11`

### Open Terminal

1. [Download](#) and install Heroku CLI
2. Login using your Heroku email and password
  - a. Enter the following command to login to Heroku using Heroku CLI
  - b. `heroku login`
  - c. You will be prompted to enter your Heroku account's email and password.  
Enter all the details -
  - d. Enter your Heroku credentials:
  - e. Email: `youremail@example.com`
  - f. Password: `*****`
  - g. Logged in as `youremail@example.com`
3. Set up Git in project folder
4. In project folder, execute the following commands:
  - a. `heroku create <YOUR_UNIQUE_APP_NAME>`
  - b. If you're on main branch, execute:
    - i. `git push heroku main`
  - c. If you're on a development branch, use:
    - i. `git push heroku <branch-name>:main`
5. If all works well, you will see that the build was successfully created!
6. Run this command to open your deployed app!
  - a. `heroku open`