

# Heroku Deployment Guide

## For Sequelize Projects

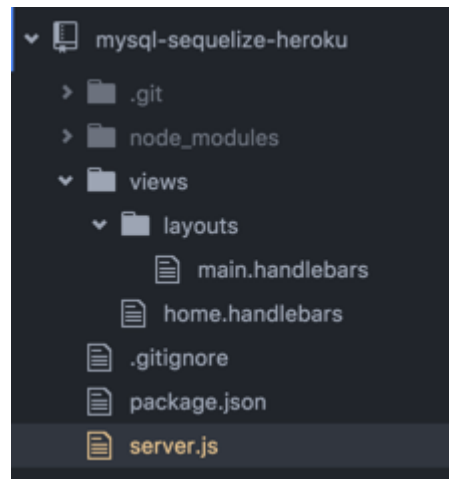
Before you begin, make sure you've installed the MySQL and Sequelize NPM packages.

```
server.js package.json
{
  "name": "mysql-sequelize-heroku",
  "version": "1.0.0",
  "description": "",
  "main": "server.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "Your Name",
  "license": "ISC",
  "dependencies": {
    "body-parser": "^1.15.0",
    "dotenv": "^2.0.0",
    "express": "^4.13.4",
    "express-handlebars": "^3.0.0",
    "mysql": "^2.10.2",
    "sequelize": "^3.22.0"
  }
}
```

Note: Steps 1-8 are the same here as in the vanilla deployment guide from Unit 12. We've repeated the steps here so you won't need to consult two guides at once.

## Part One: Creating a JawsDB Remote Database

1. On your local machine, navigate to your project folder. At this point, we'll assume you've been pushing/pulling your code with GitHub but have yet to deploy it to Heroku.



### IMPORTANT

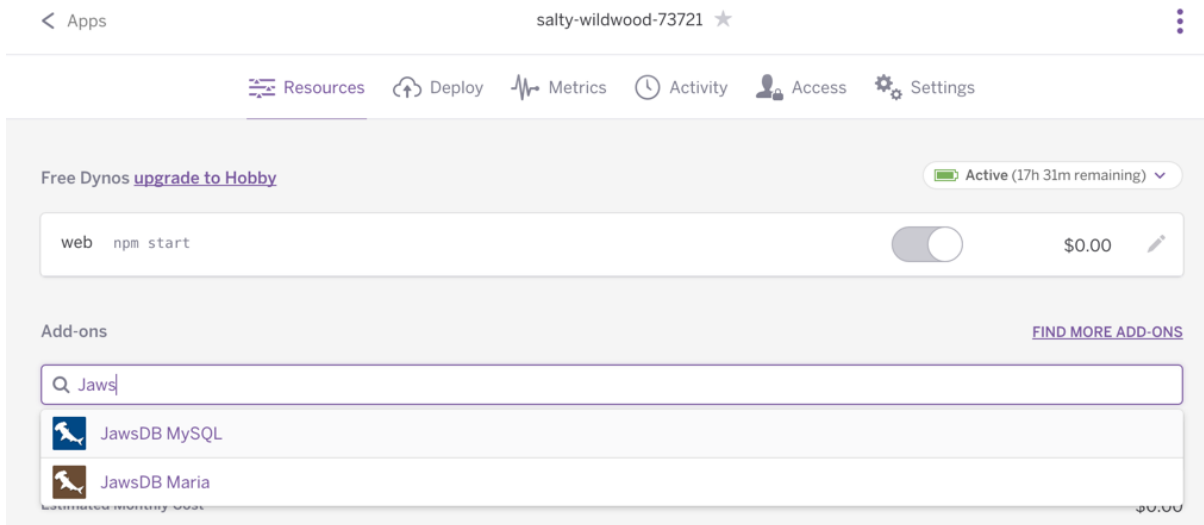
Make sure you have your app set up to interact with your MySQL via Sequelize.

2. Type in `heroku create`. That should connect your repo to Heroku.

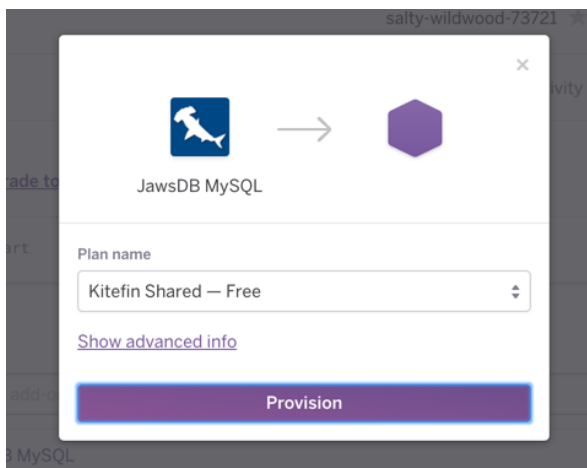
```
► heroku create
Enter your Heroku credentials.
Email: albert.bahia1@gmail.com
Password (typing will be hidden):
Logged in as albert.bahia1@gmail.com
Creating app... ● salty-wildwood-73721
https://salty-wildwood-73721.herokuapp.com/ | https://git.heroku.com/salty-wildwood-73721.git
```

3. Navigate to [heroku.com](https://heroku.com) and login with your credentials.
4. Find your Heroku app's name in the dashboard. Click on it.

5. Look for the Add-Ons section in your app's dashboard and type **JawsDB** in the input field. That should bring up the **JawsDB MySQL** add-on.

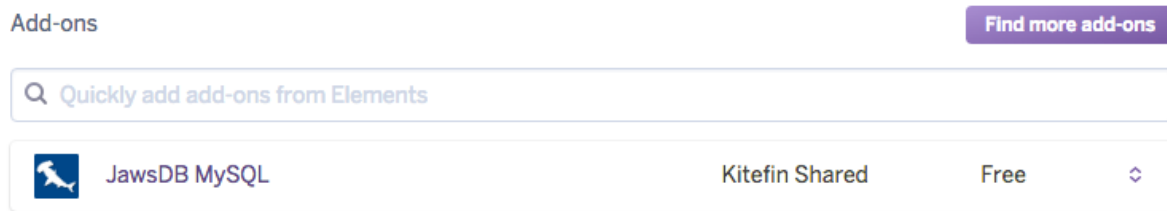


6. Click on **JawsDB MySQL** and that should bring up a modal asking you to provision a specific tier plan.



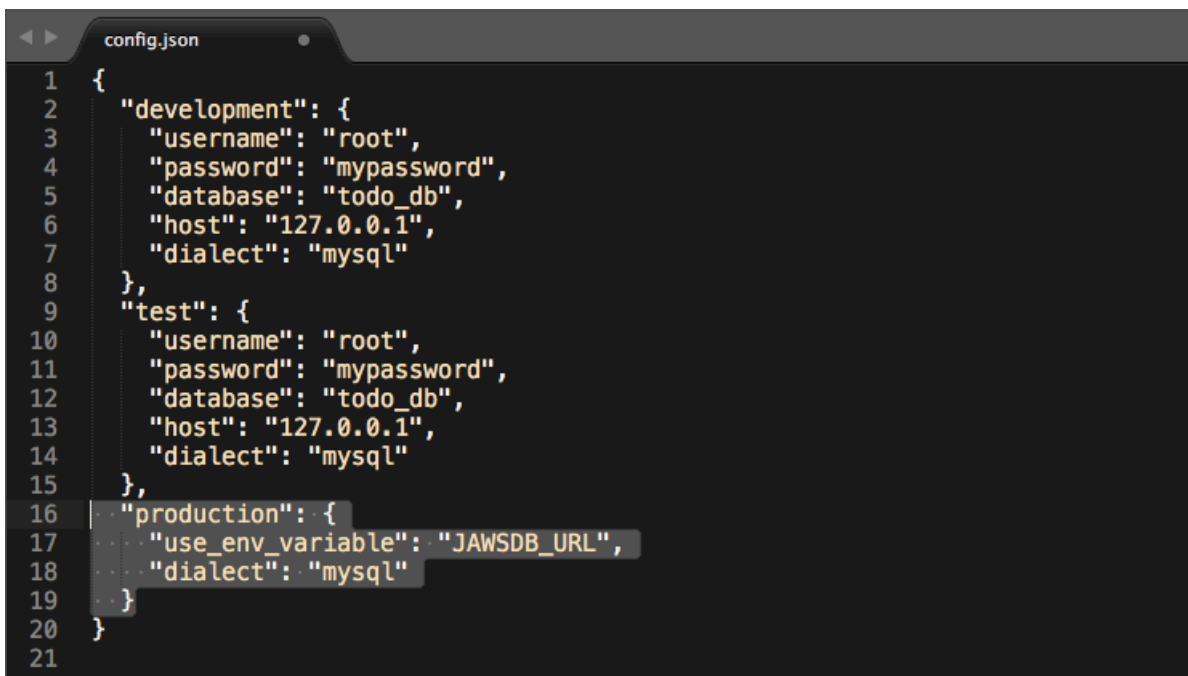
7. Make sure you select the free option, then click the **Provision** button.

8. You'll know that Heroku set up your database when a JawsDB entry shows up in under the Add-ons section.



## Part Two: Hooking Your Sequelize Project with JawsDB

9. In your **config.json** file, add `"use_env_variable": "JawsDB_URL"` to your **production** connection, as shown in the highlighted portion of this screenshot:



10. Notice how **process.env.JAWSDB\_URL** lets you plug in your connection details with just one phrase. When you set up the JawsDB provision, Heroku saved the connection info in an environmental variable, which your **config.json** file references with the `"JAWSDB_URL"` string. Your deployed app will connect to the **production** database (JawsDB), while your local app will use **development**.

11. After adding the code above and pushing those changes to your GitHub repository's **master** branch, deploy your app to Heroku: **git push heroku master**.
12. Once you deploy your app, type in **heroku open** in the root of your project directory to open your app in the browser.