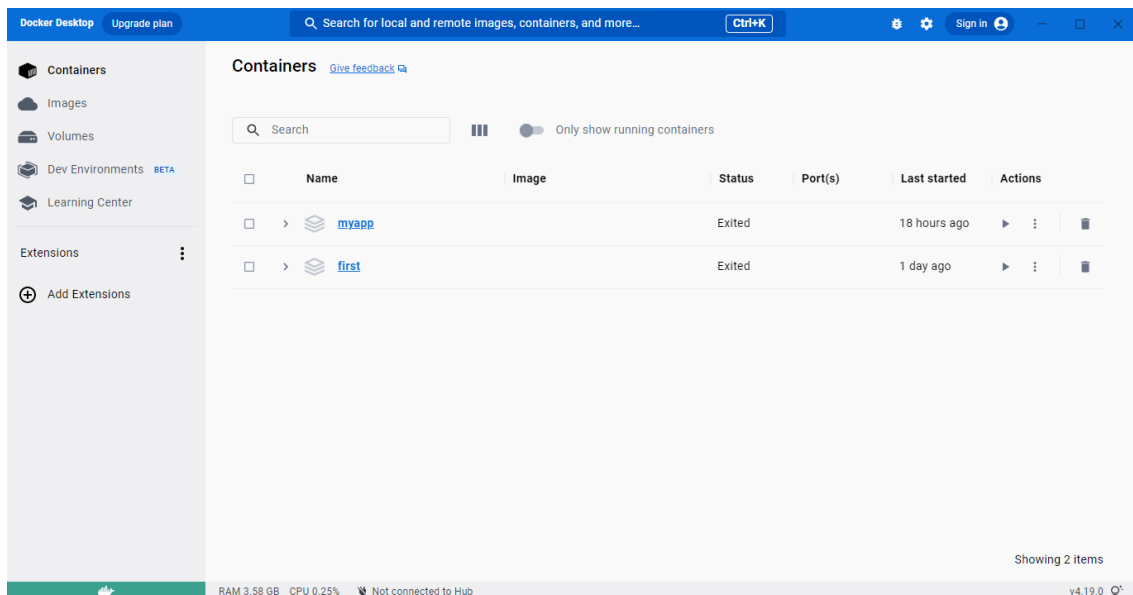# Guide for downloading and configuring Parse Server, Parse Dashboard and Postgres using Docker 🐳 Desktop

Download and Install Docker

1. Open your web browser and go to the official Docker website: https://www.docker.com/products/docker-desktop.

2. Click the "Download for Mac" or "Download for Windows" button, depending on your operating system.

3. Once the download is complete, double-click the installer file to begin the installation process.

4. Follow the on-screen instructions to install Docker Desktop on your computer. You may need to enter your system password to complete the installation.

5. Once the installation is complete, launch Docker Desktop from your Applications folder (Mac) or Start menu (Windows).

6. Docker Desktop may take a few minutes to start up. Once it is running, you should see a Docker icon in your system tray or menu bar.

Run Parse Server

1. Create a new folder on your computer with any name like "my-app".

2. Open a text editor and paste the following code into a new file named `docker-compose.yml`. This code defines the services that will run in your Docker environment, including Parse Server, PostgreSQL, and Parse Dashboard.

```yaml
version: '3'

services:
  parse:
    image: parseplatform/parse-server
    environment:
      PARSE_SERVER_APPLICATION_ID: myAppId
      PARSE_SERVER_MASTER_KEY: myMasterKey
      PARSE_SERVER_DATABASE_URI: postgresql://postgres:myPassword@postgres-db:5432/myDatabase
      PARSE_SERVER_SERVER_URL: http://localhost:1337/parse
      PARSE_SERVER_MASTER_KEY_IPS: 0.0.0.0/0
    ports:
      - 1337:1337
    depends_on:
      - postgres-db

  postgres-db:
    image: postgres
    environment:
      POSTGRES_USER: postgres
      POSTGRES_PASSWORD: myPassword
      POSTGRES_DB: myDatabase

  parse-dashboard:
    image: parseplatform/parse-dashboard
    environment:
      PARSE_DASHBOARD_ALLOW_INSECURE_HTTP: true
      PARSE_DASHBOARD_SERVER_URL: http://localhost:1337/parse
      PARSE_DASHBOARD_APP_ID: myAppId
      PARSE_DASHBOARD_MASTER_KEY: myMasterKey
      PARSE_DASHBOARD_USER_ID: admin
      PARSE_DASHBOARD_USER_PASSWORD: admin
    ports:
      - 4040:4040
    depends_on:
      - parse
```
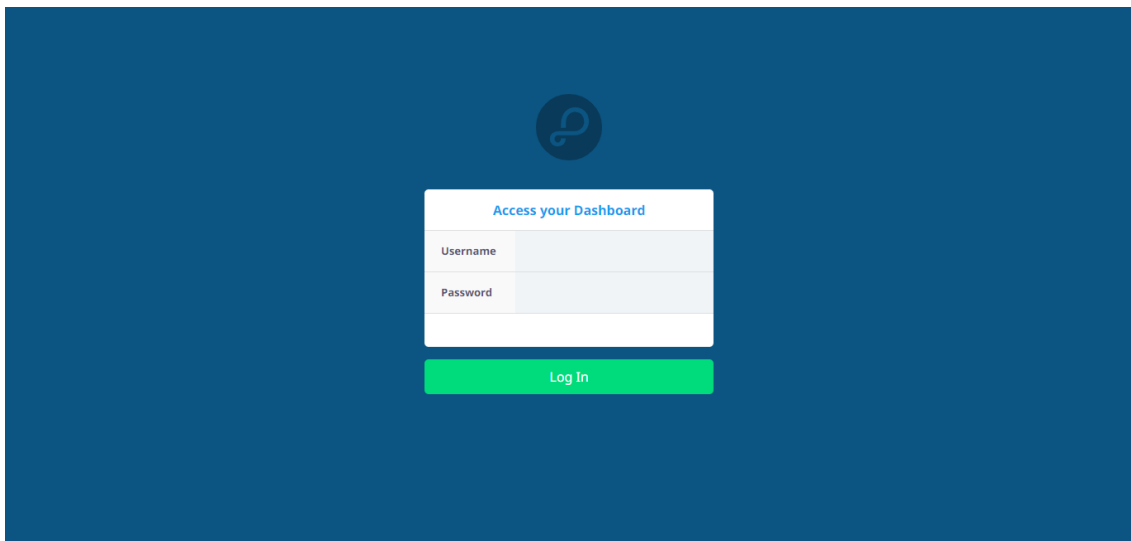
3. Replace the placeholders `myAppId` and `myMasterKey` with your own values. These are used to secure your Parse Server instance.
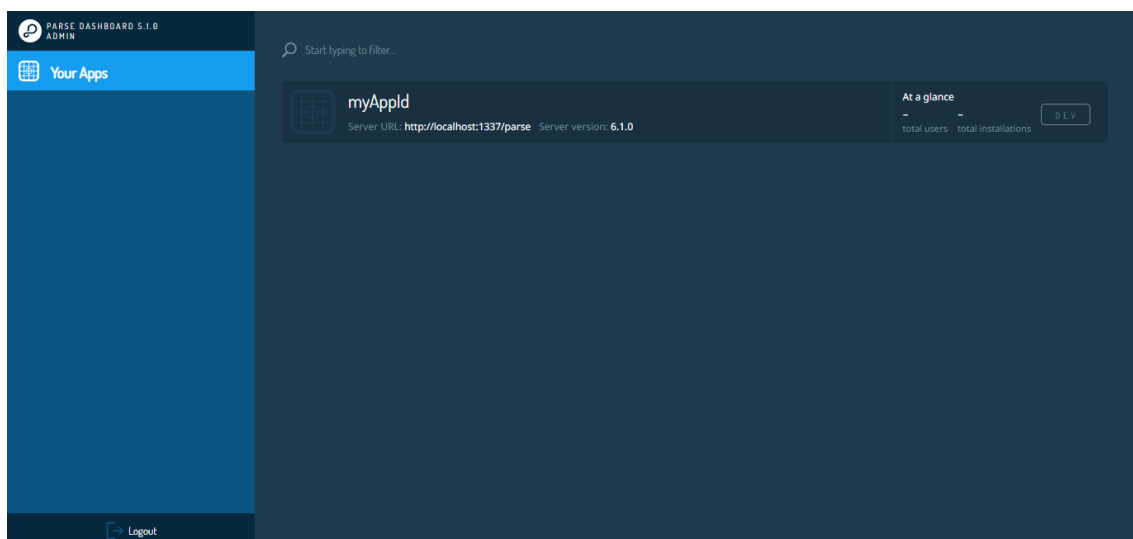
4. Open a command prompt or terminal window and navigate to the folder where you saved `docker-compose.yml`.

5. Run the following command to start the Docker services:

```
docker-compose up
```

6. Docker will download the necessary images and start the Parse Server, PostgreSQL, and Parse Dashboard services.

7. Once the services are running, you can access the Parse Server dashboard by navigating to `http://localhost:1337/dashboard`. You can also access the Parse Dashboard by navigating to `http://localhost:4040`.

8. Following screen showed up by searching `http://localhost:4040` on your web browser.

9. After adding username `admin` and password `admin` (If you use above code otherwise add your own credentials) following dashboard shown up:

Congratulations! You have successfully set up Parse Server (PostgreSQL) using Docker. You can now start building your Parse-powered application.