

DevOps Assignment

Objective: Demonstrate your basic ability to work with simple Docker features.

Deadline: 3 Days

Step 1: Download the assignment files from this link-

https://drive.google.com/file/d/12gZcH1Jr1xWWRzyH3yMqJ9DV_3rlHsnK/view?usp=sharing

The assignment has two files-

1. `main.js` - Simple Node/Express REST API that returns a "Hello, World!" response on port `3000`
2. `package.json` - Dependency management file

Step 2: Check if Node.js is installed on your computer, if not then install it.

Step 3: Run `npm install`, it will generate `node_modules` and `package-lock.json`

Step 4: Run `node main.js`, the API can now be accessed on <http://localhost:3000> and you'll see the response "Hello, World!".

Step 5: Create a `Dockerfile` to build an image of the above code.

Step 6: Run a container using the created image. (Don't forget to expose the required port(s)).

Step 7: Access the API and you must see the response "Hello World!".

BONUS: Write a `docker-compose.yml` file and use `docker-compose` to complete the assignment.

Once the assignment has been completed, push it on GitHub and share the repo link with us.

NOTE: You can install Docker on your system and do the assignment, or you can use an online Docker Playground on <https://labs.play-with-docker.com>.