[Instructions](#_hxr977vi6sdt)

[Task 0: Setup](#_hszxfr2ntf23)

[1. Write dockerfile](#_r2d0e23ftxfa)

[2. Add to bamboo build plan.](#_r2d0e23ftxfa)

[a) Build image](#_r2d0e23ftxfa)

[b) Test that the app runs properly in another build stage](#_swiib1pl11jp)

[c) push to dockerhub (you will need an account)](#_r2d0e23ftxfa)

## 

## Instructions

Read this lab like a book, all text is there for a reason!

"→" denotes an action you must take

Use your favorite editor to edit files within the console. I suggest VI, nano, or emacs.

|  |
| --- |
| White boxes with black text denote commands and file contents |

|  |
| --- |
| Black boxes with green text denote example output |

### Task 0: Setup

Bamboo should already be running in your workspace at [http://localhost:8085](http://localhost:8085/)

For Amazon workspaces, we need to configure docker to properly performed DNS lookups

→ Create file */etc/docker/daemon.json* with the following contents

|  |
| --- |
| {"dns": ["192.10.0.2", "8.8.8.8"]} |

→ Restart the docker service

|  |
| --- |
| sudo service docker restart |

→ Allow for sudoless docker commands

|  |
| --- |
| sudo usermod -aG docker bamboo  sudo systemctl restart bamboo  sudo usermod -aG docker ${USER}  newgrp docker |

### 1. Write dockerfile

Write a dockerfile for your weather app. You should be able to build your docker image and run it with "docker run <image-name>".

If you did a bonus for your astronomy app, it may expect extra arguments like such "docker run <image-name> --at 2021-10-18T08:30:00Z". This can be done by using "ENTRYPOINT" instead of "CMD" in your Dockerfile.

### 

### 2. Add to bamboo build plan.

You can use the "Docker" type task for all of the following new tasks in your build plan

#### a) Build image

#### b) Test that the app runs properly in another build stage

#### c) push to dockerhub (you will need an account)