In this activity, you will apply what you have learned in this section to create a Hadoop Docker environment from scratch and test it to ensure it works.

Before beginning this activity, review the submission instructions below to ensure that you collect the required screenshots as you progress through the activity.

**To complete this activity, follow these steps:**

1. Review the existing list of *containers* running on your machine by running the command below:  
   docker ps  
   Provide a screenshot to show that you successfully reviewed the list of Docker *containers* running on your machine using the docker ps command.
2. Navigate to the [Big Data Europe Project](https://github.com/big-data-europe/docker-hadoop.git)
3. [Links to an external site.](https://github.com/big-data-europe/docker-hadoop.git)
4. GitHub repository and download the Docker Hadoop *image* on your local machine. Provide a screenshot to show that you successfully cloned the Big Data Europe Project GitHub repository.
5. The Big Data Europe Project GitHub repository contains a docker-compose.yml file that is ready to be deployed to the Docker *containers*. Provide a screenshot to show that you are able to find the docker-compose.yml file using the command line interface.
6. From the top level of your repository, run the following command to create the *containers:*docker-compose up -d  
   Note: The -d flag will set the *container* to run in a detachable model, i.e., in the background. Provide a screenshot to show that you successfully ran the Docker command to create the *containers*.
7. Check the Hadoop *containers* you created from the Hadoop *images*, and make sure that each *container* displays the (healthy) STATUS.  
   Provide a screenshot to show that you have all of the Hadoop *containers* running in the (healthy) STATUS.
8. Review whether the Hadoop *server* is active by navigating to http://localhost:9870. Provide a screenshot to show that you can open a Hadoop web browser link.

**Submission Instructions:**

Your submission for this activity should be a Word document that includes the following screenshots, each labeled for the step that the screenshot represents:

1. Provide a screenshot to show that you successfully reviewed the list of Docker *containers* running on your machine using the docker ps command.
2. Provide a screenshot to show that you successfully cloned the Big Data Europe Project GitHub repository.
3. Provide a screenshot to show you can find the docker-compose.yml file using the command line interface.
4. Provide a screenshot to show that you successfully ran the Docker command to create the *containers*.
5. Provide a screenshot to show that you have all of the Hadoop *containers* running in the (healthy) STATUS.
6. Provide a screenshot to show you can open a Hadoop web browser link by navigating to http://localhost:9870.