CYBR 506

Step 1.
Navigate to https://github.com/smrdawg/lab6-506, download and unzip the folders labeled "Freeradius" and "flaskapp." Save them as separate folders in your chosen directory.

Step 2.
Change your directory to the location of your freeradius files

Open a terminal and navigate to the location of where you saved the dockerfile

Example: cd C:\users\name\desktop\freeradius

Step 3.
Edit the freeradius configuration files

Navigate to the configuration files within your freeradius folder, and edit the file named "users." Change "bob" and the cleartext password to your desired login name and password

[username]   Cleartext-password := "[password]"

Edit the clients.conf file, change the secret to your chosen secret

Secret = [your_secret]

Step 4.
Build the image and label it lab6

In your terminal, type

docker build -t lab6 .

Step 5.
Build the container

Docker run -d –name my-radius-server -p 1812:1812/udp -p 1813:1813/udp lab6

Step 6.
Check the IP address of your container

In your terminal, type:

docker inspect my-radius-server

Note the line labeled "IP Address" in the last section of the information brought up. Copy this down.

Step 7.
Edit the Flaskapp configuration files

Navigate to the configuration files within your Flaskapp folder. Edit the "app" file.

On line 9, change the value of Radius Server to the IP address of your Freeradius server

RADIUS_SERVER = '[Your IP]'

On line 10, change the value of the Radius Secret to your secret phrase

RADIUS_SECRET = b'[Your Secret]'

Step 8.
Change your directory to the location of your Flaskapp files

Open a terminal and navigate to the location of where you saved the Flaskapp

Example: cd C:\users\name\desktop\flaskapp

Step 9.
Build the Flaskapp image

In your terminal, type

docker build -t flaskapp .

Step 10.
Build the Flaskapp container on port 5000

In your terminal, type

docker run -d --name flaskapp -p 5000:5000 flaskapp

Step 11.
Restart both containers

This is done to ensure they're started in the correct order. In your terminal, type:

docker stop flaskapp
docker stop my-radius-server

docker start my-radius-server
docker start flaskapp

Step 12.
In your web browser, navigate to http://127.0.0.1:5000
Type in your chosen username and password in the prompt