To create a Linux container using Docker and access its passwd file, follow these steps:

1. Open a terminal or command prompt.
2. Pull the Ubuntu image from Docker Hub using the following command:

docker pull ubuntu:latest

#This command will download the latest version of the Ubuntu image.

1. Once the image is downloaded, you can verify it by running:

docker images

#This command will list all the images available locally, and you should see the Ubuntu image listed.

1. Now, you can start a container based on the downloaded image using the following command:

docker run -it –name linux\_container ubuntu:latest

#This command will start a new container named my\_linux\_container based on the Ubuntu image. The -it flag is used to make the container interactive, allowing you to access its terminal.

1. Inside the container, create a new user named "john" using the adduser command:

adduser john

#Follow the prompts to set the password and provide any additional information for the new user.

1. Once the user "john" is created, exit the container by typing exit in the terminal.
2. Now, you need to copy the "create\_large\_file.sh" script into the container. You can do this using the docker cp command from your host machine. Let's assume the script is located in the current directory on your host machine:

docker cp create\_large\_file.sh linux\_container:/home/john/

1. Now, start the container again:

docker start -ai my\_linux\_container

1. Inside the container, navigate to the directory where the script is located:

cd /home/john/

1. Make the script executable:

chmod +x create\_large\_file.sh

1. Finally, execute the script:

./create\_large\_file.sh