🧰 Pre-class Setup

Your lab machine (e.g., s1-worker-1, s2-worker-1, etc.) will be referred to as the worker node throughout this guide.

Please complete the following steps before class begins.

🖥️ Step 1: Add Your Worker Node to the Hosts File

This lets you access the node by name instead of typing its IP address. The worker node name and IP address will be provided by your instructor.

a. Open PowerShell and run:

```
Start-Process notepad c:\windows\system32\drivers\etc\hosts -Verb runAs
```

b. At the bottom of the file, add a line like this:

```
10.11.12.13    s1-worker-1
```

c. Save the file and close Notepad.

🔐 Step 2: Test SSH Access to Your Worker Node

Use the credentials provided by your instructor to log in:

```
ssh labuser@s1-worker-1
```

🛠️ Step 3: Make Future Access Easier

You have two options:

a. Record the labuser password somewhere secure.

b. After logging in to your worker node via SSH, change the password to something easier to remember:

```
sudo passwd labuser
```

c. For easier SSH access using a key and config file, you can do the following from your Windows machine:

```
cd
scp labuser@s1-worker-1:secret/* .ssh/
```
(Enter the password when prompted)

Then open your SSH config file:

```
notepad .ssh/config
```

Add the following to the file:

```
Host *
    User labuser
    IdentityFile ~/.ssh/labuser
```

Now you can connect by simply typing:

```
ssh s1-worker-1
```

📦 Step 4: Register for Free Container Registry Accounts

You'll need accounts on the following services to access and publish container images:

- https://www.docker.com/
- https://quay.io/

You're Now Ready for Class!

Welcome aboard 🚀 — your setup is complete and you're ready to begin!