

SpringBoot, Kafka, Docker and Kubernetes Lab Setup Guide

Pre-requisites:

1) Install Oracle VirtualBox 5.2 and above

Instructions to setup SpringK8S-Box in local:

Step1: Download SpringK8s-Box image shared by the IT team or from Google Drive (open the url given over email). Unzip the downloaded file to local drive.

Step2: Import SpringK8s-Box image

Start Oracle VirtualBox -> File -> Import Appliance -> Browse to SpringK8s-Box image location and select .ova file

Step3: Import will start and may take around 15-30 mins

Step4: After import complete, start SpringK8s-Box and will prompt for credentials.

Enter password. (username: springk8slab, password: spring@123)

Step5: You will be logged in. You may verify the installation by opening terminal and checking Java, Docker and Kubernetes setups.

Verify Java installation

\$java -version

\$javac -version

(should see java version detail)

Verify Docker installation

\$docker --version

(should see docker version detail)

Verify Kubernetes (minikube) installation

\$minikube version

(should see minikube version detail)

WELL DONE. Setup is complete. Further configuration details be shared during training session.

Note: Please do not directly copy the commands and execute in the server terminal. Advised to copy to text editor and execute in the server to avoid any encoding and syntax errors.