Welcome to Linux Foundation E-Learning Training

LFS258: Kubernetes Fundamentals

by The Linux Foundation

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After reading this document, please examine the FAQ and see if any remaining questions are answered by the assemblage of FAQs in that location:

http://bit.ly/LF-FAQ

or

http://training.linuxfoundation.org/linux-courses/general-information-and-faq

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1 Hardware Requirements

Students are expected to **provide their own computers** for **Linux Foundation** courses.

The Operating system on your computer doesn't much matter as you will only be using it to access another service remotely or within a VM or container.

The Linux Foundation logistical staff may be consulted as required for further clarification.

2 Software Requirements

Table 1: **Software requirements for LFS258: Kubernetes Fundamentals**

Internet Access	Required
Virtual Machine	Acceptable
OS required for class	Linux, MacOS, Windows
Required SW for class	modern web browser, terminal emulation program (ssh or putty), Kubernetes CLI (kubectl)

You will need the following things on your Operating System of choice: modern web browser, terminal emulation program (ssh or putty), Kubernetes CLI (kubectl)

You will need a recent distribution of **Linux** or **OSX** on your machine, with at least 4GB RAM and **Oracle VirtualBox** installed. On that machine you should install the latest version of **minikube** from https://github.com/kubernetes/minikube/releases.

minikube can run with the **KVM** or **xhyve** hypervisors but is more easily setup with **VirtualBox**. In addition you should install the **Kubernetes CLI**, **kubectl**. The official documentation will help you: https://kubernetes.io/docs/tasks/kubectl/install/.

If using **Linux** or **Mac**, the native terminal program is fine. If using **Windows** you will need to install **PuTTY** and **PuTTYgen** from putty.org. The whole **PuTTY** suite is handy. Make sure any necessary firewall ports are opened for web and **SSH** traffic prior to class.