Virtual Machine

- Why do we use VM?
 - A physical machine can run multiple VMs (guest OSes)
 - Run Linux guest OS (if your host OS is Windows)
 - Much safer doing network security lab against VM
 - SDN lab-friendly

Getting VM hypervisor

- VirtualBox (open-source)
 - ☐ https://www.virtualbox.org/wiki/Downloads
- VMware (not free)
 - https://www.vmware.com/products/workstation-player.html
- Other VM hypervisors: QEMU, KVM, UML, etc.

Installing Guest OS

- Ubuntu (18.04 or later)
 - ☐ Ubuntu 20.04.3 LTS: https://ubuntu.com/download/desktop
- Create a VirtualBox VM (in Windows) and install Ubuntu on the VM
 - □ https://www.youtube.com/watch?v=x5MhydijWmc
 - https://www.ktexperts.com/how-to-install-ubuntu-20-04-1-lts-on-windows-using-virtualbox/
- Install Wireshark on Ubuntu
 - □ https://www.youtube.com/watch?v=wVLcxqXwQPw
 - https://vitux.com/how-to-install-and-use-wireshark-on-ubuntu-20-04-lts/