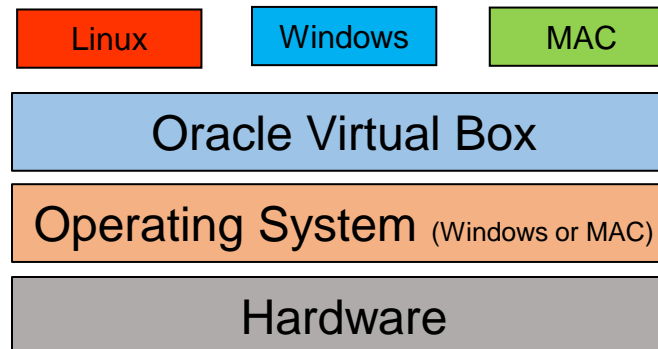


WELCOME TO: MODULE 2

DOWNLOAD, INSTALL AND CONFIGURE LINUX

What is Oracle VirtualBox?

- VirtualBox is a free and open-source hypervisor for x86 computers currently being developed by Oracle Corporation
- It installs on your existing Intel or AMD-based computers, whether they are running Windows, Mac, Linux or Solaris operating systems. It extends the capabilities of your existing computer so that it can run multiple operating systems on one hardware at the same time



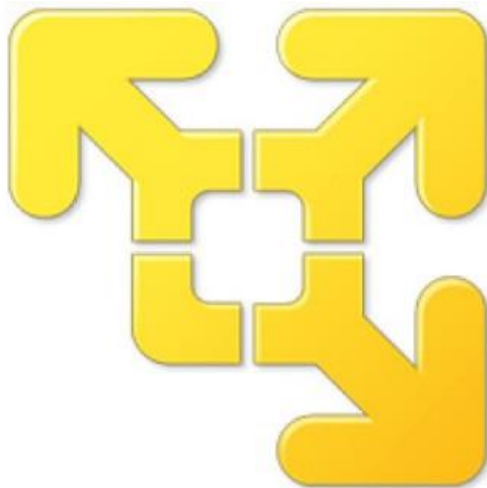
ORACLE VIRTUAL BOX DOWNLOAD AND INSTALLATION



CREATE VIRTUAL MACHINE

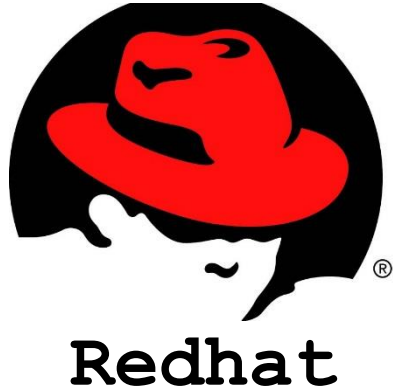


VMWARE WORKSTATION PLAYER



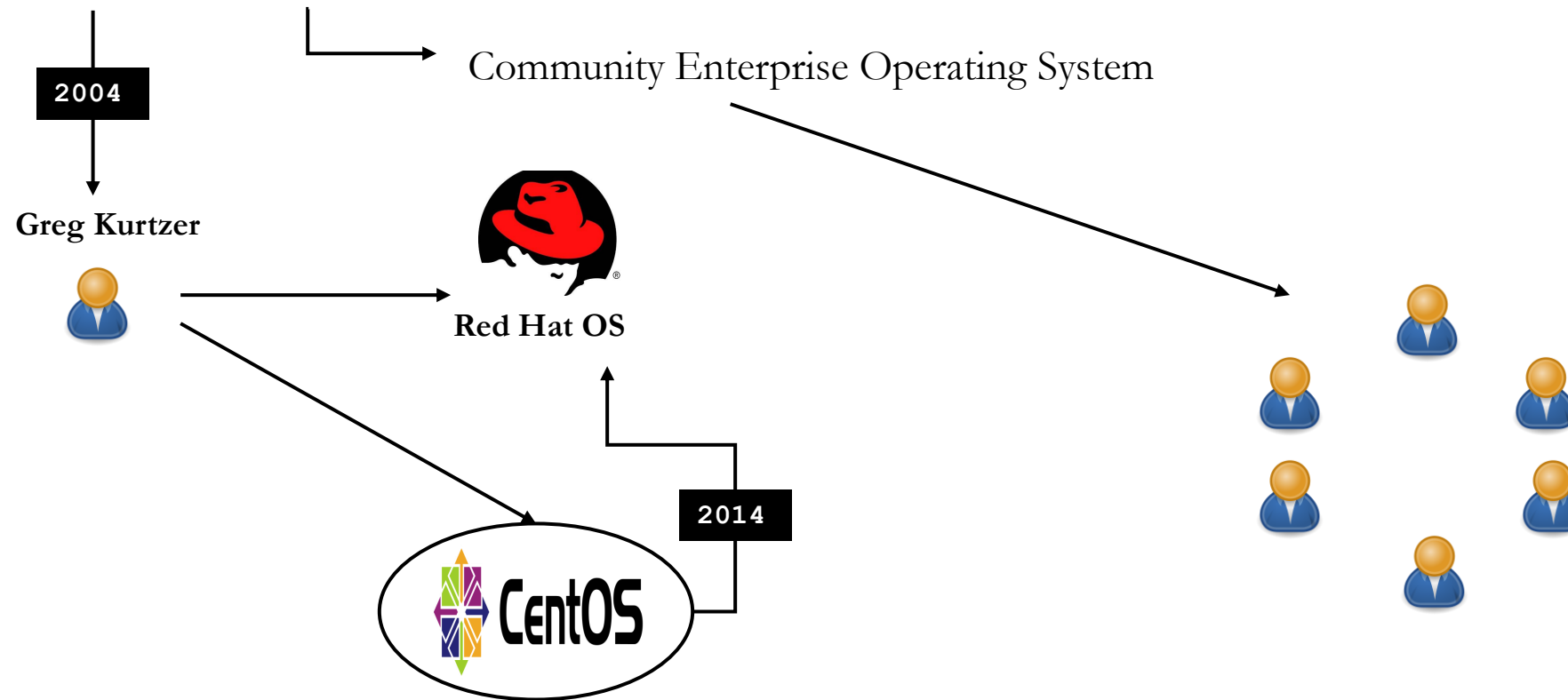
Download, Installation and Configuration

LINUX DISTRIBUTIONS



CentOS vs. CentOS Stream

- Brief history of CentOS



CentOS vs. CentOS Stream

Before Feb 2021

Fedora → RHEL → CentOS

After Feb 2021

Fedora → CentOS Stream → RHEL

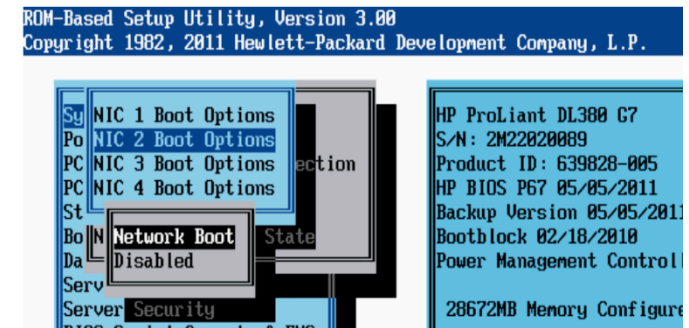
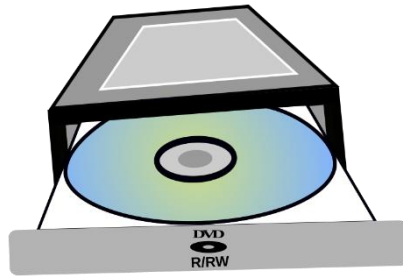
CentOS vs. CentOS Stream

Question???

Is it worth learning CentOS

*** **ABSOLUTELY** ***

DIFFERENT WAYS TO INSTALL OS



CENTOS INSTALLATION (VERSION 7)

Recommended



CENTOS INSTALLATION (VERSION 8)



Linux Download and Installation



CentOS Installation 8



NEXT LESSON

REDHAT LINUX INSTALLATION



OPTIONAL

REDHAT LINUX INSTALLATION





VirtualBox **SNAPSHOTS**

LINUX DESKTOP GUI

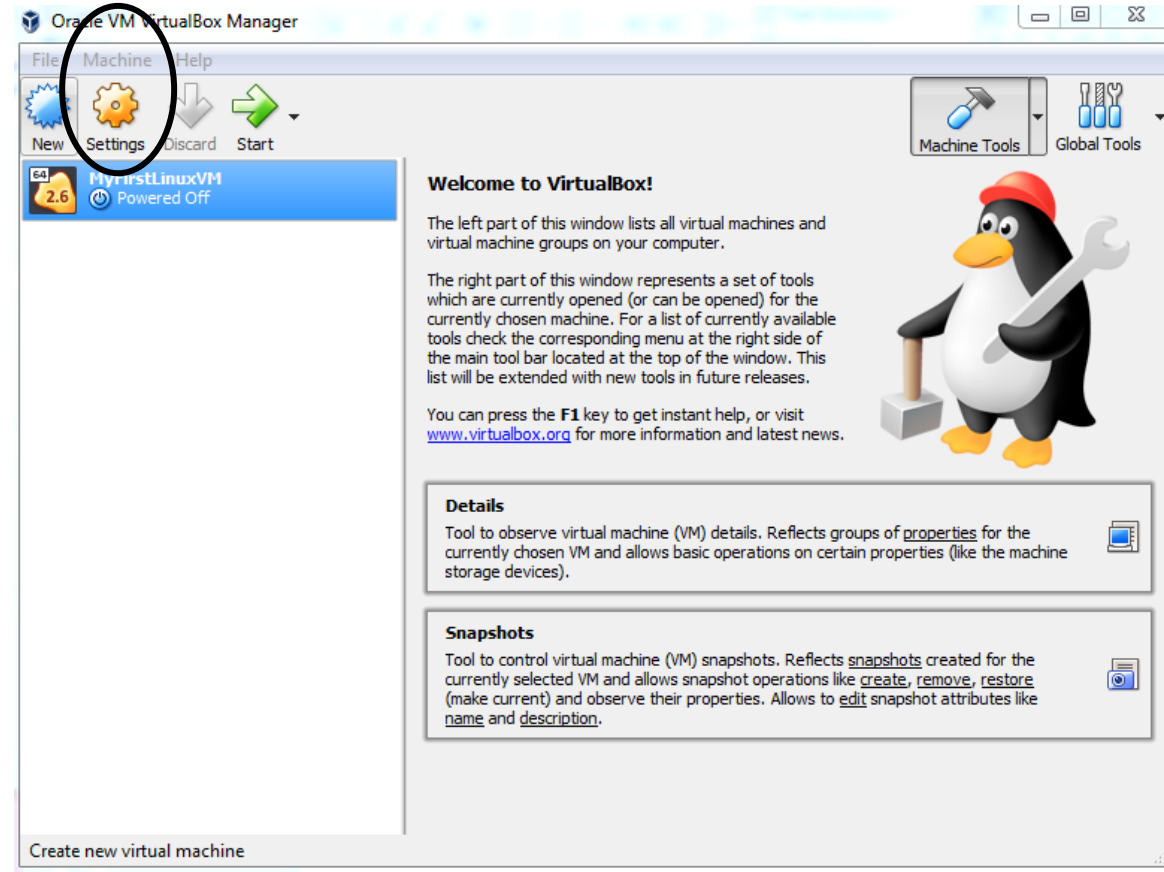
(GNOME OR KDE)

LINUX UBUNTU INSTALLATION



OPTIONAL

ORACLE VIRTUAL MACHINE MANAGEMENT



LINUX VS. WINDOWS

	Linux	Windows
Price	Free	\$\$\$
Ease	Not user-friendly	User friendly
Reliability	Very reliable. Often runs for months or years	Often requires reboot
Software	Mostly enterprise level softwares	Much larger selection of softwares e.g. office, games, utilities etc.
Multi-tasking	Best for multi-tasking	Multi-tasking is available but with very high cpu or memory resources
Security	Very secure	Some what secure
Open source	Open to public	No an open source OS

LINUX USERS

- US Government and Agencies (National, State, Federal and International)
- NASA
- Health Care
- The Bullet Trains in Japan runs at the speed of 150-215 m/h
- Traffic Control
- Financial Institutes e.g. NYSE
- Entertainment industries (Cinemas, Production houses etc.)
- World e-commerce leaders, including Amazon, eBay, PayPal, and Walmart run their platform on Linux
- Other fortune 500 companies e.g. Google, IBM, McDonalds, Facebook etc.

Keyboard Keys Used in Linux



Right Ctrl key