

Welcome to Module 3

Introduction to VMWare

VMWare



- What is VMWare?
 - VMware, Inc. is an American publicly traded software company from California, USA. It provides cloud computing and virtualization software and services. It was one of the first commercially successful companies to virtualize the x86 architecture in 1998. (Wikipedia)
 - VMWare has approximately 80% of the virtualization market share
 - The name = V M Ware (Hardware + Software)
 - There are two main virtualization software
 - VMWare player = Runs over an operating system
 - VMWare hypervisor = Bare-metal hypervisor runs over a hardware without having any operating system

Products of VMWare

- **VMWare Workstation Player**

- VMware Workstation Player is an ideal utility for running virtual machines on a Windows, Linux or MAC computers. Organizations use Workstation Player to deliver managed corporate desktops, while students and educators use it for learning and training. The free version is available for non-commercial, personal and home use



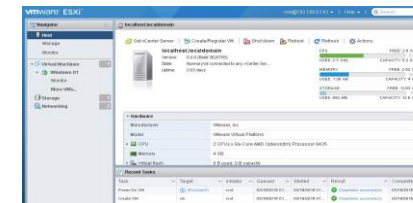
- **VMWare vSphere Hypervisor (ESXi)**

- Bare-metal hypervisor that installs directly onto your physical server



- **VMWare vSphere Client**

- Is an interface that allows you to connect to a hypervisor
- It is a client just like RDP for Windows and Putty for Linux servers
- It is now web-based client. The older version was thick client



- **VMWare vCenter**

- It's a management tool to manage multiple hypervisor
- The interface is same as vSphere client with added functionality

Importance of VMWare



- System administration
 - Linux, Windows, Solaris or any OS
 - Network/Storage administration
 - Switches, routers, firewall
 - Fiber switches, storage array etc.
 - Programming or development
 - Automation or testing
 - Database or application administration
 - DB or Apps run on OS and OS runs on VMs
 - Cloud
 - Appx. 90% of the cloud infrastructure run on virtual environment
- Any IT job
 - QA
 - IT Technician
 - System or network architects
 - Data science
 - Security.

