

VMware VSphere :

- VMware is the Market leader in Server Virtualization. It has 80% of market share
- It is better than xenserver and hyper-v due to stability and flexible usage

Q.What is VSphere 6.5/6.7?

- VMware VSphere is the brand name for VMware suite of Virtualization product
- Previously VMware suite i.e VSphere was called VMware infrastructure
- VSphere includes following Components :
 - ☐ VMware ESXi
 - ☐ vCenter Server
 - ☐ VSphere Client
 - ☐ VSphere Web Client
- Other features include Vmotion, High Availability, Distributed Resource Scheduler (DRS), fault tolerance

Difference between vCenter and VSphere Client :

- VSphere client is an interface (GUI) used to connect remotely to an ESX/ESXi host from a Windows PC
- This client can be used to access and manage virtual machines on the ESXi host and also perform other management and configuration tasks
- If we want to have all the ESXi hosts in a single console then we need vCenter Server
- vCenter server is similar to VSphere client but it comes with rich features and more powers. It is the centralized management tool
- Multiple ESXi hosts & VM's can be managed from a single console, whereas using VSphere client we were accessing only a single host
- For using features like DRS, HA, Vmotion and fault tolerance we need vCenter Server
- vCenter 6.7 includes a flash and a HTML5 based interface

VMware Availability

- Availability or High availability in VMware deals with ESXi host failure and what happens to the VM's running on those hosts.
- Availability is to make sure that downtime is very less in the event of failure and machines are always up
- Level of agreement : Different charges for different agreements - 99%-87 hours downtime per year....99.9%-8.76 hours downtime per year...99.99%-52 minutes and 99.999%-5 minutes downtime per year
- Above is the agreement done with client in terms of availability