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## VMWARE COURSE CONTENT

### COURSE OBJECTIVES

- VMware Virtualization Introduction
- concepts of server explanation
- virtualization storage
- Installation of vSphere
- user interfaces of vSphere uses

### VIRTUAL MACHINES CREATION

- virtual machines Introduction
- hardware virtual machine
- files of virtual machine
- Deployment of VM

### VMWARE VCENTER SERVER

- Introducing architecture vCenter Server
- appliance vCenter Server
- Management of vCenter

### VIRTUAL NETWORK MANAGEMENT AND CONFIGURE

- creation of virtual switch
- management of virtual switch
- Describe properties of virtual switch
- virtual switch modify
- Configuring virtual switch

### MANAGEMENT OF VIRTUAL MACHINE

- cloning and templates Deployment of virtual machines
- Modification of VM
- management of virtual machines
- virtual machine snapshots Creation and manage

### ACCESS AND AUTHENTICATION CONTROL

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- permissions and roles of user access Control
- managing ESXi firewall
- ESXi lockdown mode Configure
- Configuring ESXi firewall
- Integrate ESXi with Active Directory

### **FAULT TOLERANCE AND HIGH AVAILABILITY**

- architecture of vSphere High Availability cluster
- vSphere High Availability cluster Configure and manage
- Introduce VMware Fault Tolerance

### **PATCH MANAGEMENT**

- Management of ESXi
- patch baselines Creation
- Scan and remediate hosts

### **INSTALLING VMWARE COMPONENTS**

- ESXi installation introduction
- deployment of vCenter Server options

