کمپ نوروزی مجازی سازی | VMware VSphere 6.7 با 25٪ تخفیف

کمپ نوروزی وی ام ویر، vSphere 6.7 Install, Configure, Manage با تخفیف ویژه

مروری بر دوره

دوره آموزش مجازی سازی **VMware** در بین متخصصان فناوری اطلاعات (IT)، به ویژه افراد فعال در دیتاسنترها و نیز افرادی که وٰ پشتیبانی از محیط های مبتنی بر بستر مجازی سازی شبکه را بر عهده دارند، از اهمیت ویژه ای برخوردار است و کاملا با آن آشنایی دارند. اما برای آن دسته از کسانی که با تازگی با نام دوره های **VMware** و یا آموزش مجازی سازی با **VMware** آشنا شده اند باید بگوییم که این شرکت در زمینه ارائه راهکارها و محصولات مجازی سازی، سلطان بلامنازع این حوزه شناخته می شود و علاقه مندان به شرکت در دوره های تخصصی مجازی سازی در دیتا سنتر می بایست کار خود را با شرکت در دوره های **VMware** آغاز کنند.

سرفصل ها

1 Course Introduction

- Introductions and course logistics
- Course objectives
- Describe the content of the course
- Gain a complete picture of the VMware certification system
- Familiarize yourself with the benefits of the VMware Education Learning Zone
- Identify additional resources

2 Introduction to vSphere and the Software-Defined Data Center

- Describe how vSphere fits into the software-defined data center and the cloud infrastructure
- Explain how vSphere interacts with CPUs, memory, networks, and storage
- Use vSphere Client to access and manage your vCenter Server system and ESXi host
- Compare virtual machine hardware version 14 to other versions
- Identify the virtual network adapters, and describe the enhanced VMXNET3
- Compare the types of virtual disk provisioning
- Install and configure ESXi host settings
- Identify the advantages of ESXi Quick Boot

3 Creating Virtual Machines

- Create, provision, and remove a virtual machine
- Explain the importance of VMware Tools™
- Describe how to import a virtual appliance OVF template

4 vCenter Server

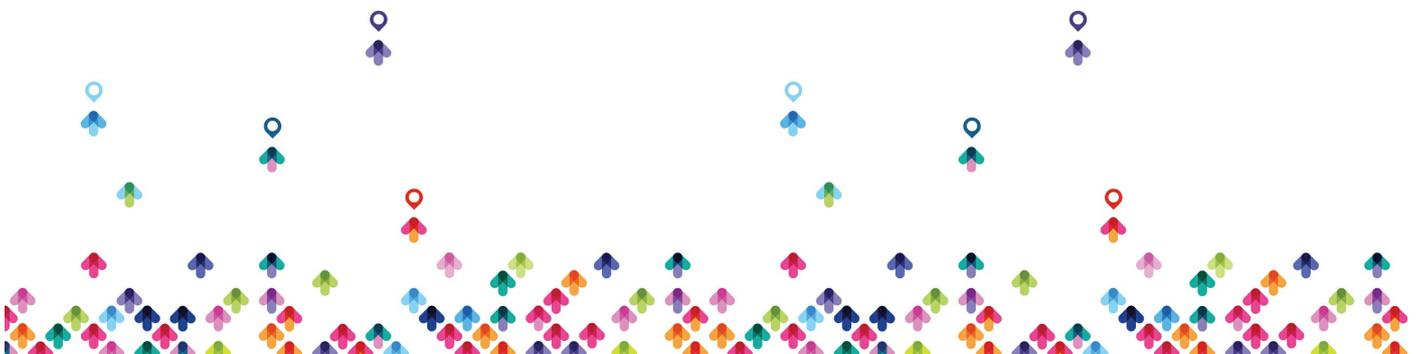- Describe the vCenter Server architecture

- Discuss how ESXi hosts communicate with vCenter Server
- Access and configure vCenter Server Appliance
- Use vSphere Client to manage the vCenter Server inventory
- Add data center, organizational objects, and hosts to vCenter Server
- Create custom inventory tags
- Describe the rules for applying permissions
- Create a custom role in vCenter Server
- Create a vCenter Server Appliance backup schedule
- Restore vCenter Server Appliance from a backup
- Monitor vCenter Server Appliance

5 Configuring and Managing Virtual Networks

- Describe, create, and manage standard switches
- load-balancing policiesand Configure virtual switch security, traffic-shaping
- Compare vSphere distributed switches and standard switches
- Describe the virtual switch connection types
- Describe the new TCP/IP stack architecture
- Use VLANs with standard switches

6 Configuring and Managing Virtual Storage

- Identify storage protocols and storage device types
- Discuss ESXi hosts using iSCSI, NFS, and Fibre Channel storage
- Create and manage VMware vSphere® VMFS and NFS datastores
- Explain how multipathing works with iSCSI, NFS, and Fibre Channel

storage

- Identify the advantages of VMware vSAN™

7 Virtual Machine Management

- Use templates and cloning to deploy new virtual machines
- Modify and manage virtual machines
- Create an instant clone of a virtual machine
- Identify the types of content libraries and how to deploy and use them
- Add a hot-pluggable device
- Dynamically increase the size of a virtual disk
- Use customization specification files to customize a new virtual machine
- Perform vSphere vMotion and vSphere Storage vMotion migrations
- Create and manage virtual machine snapshots

8 Resource Management and Monitoring

- Discuss CPU and memory concepts in a virtualized environment
- Describe what overcommitment of a resource means
- Identify additional technologies that improve memory usage
- Configure and manage resource pools
- Describe methods for optimizing CPU and memory usage
- Use various tools to monitor resource usage
- Create and use alarms to report certain conditions or events

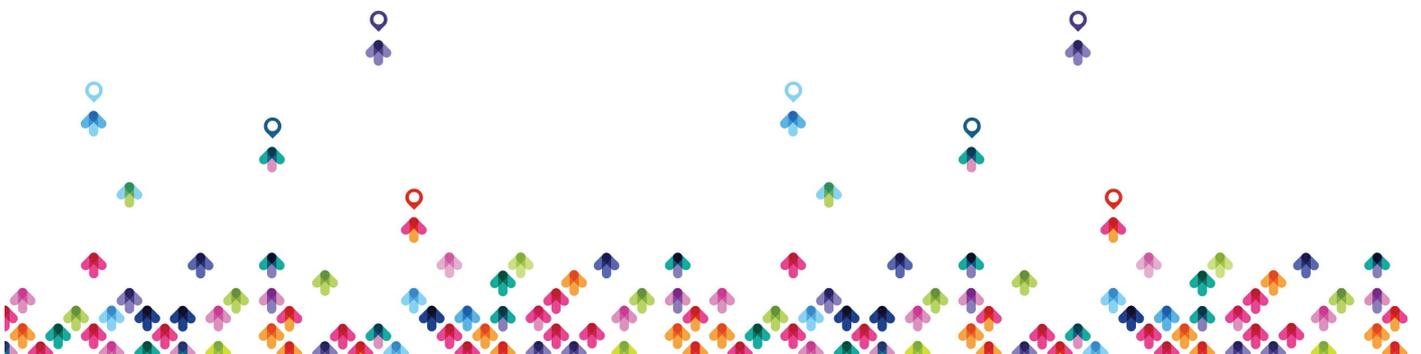**9 vSphere HA, vSphere Fault Tolerance, and Protecting Data**

- Explain the vSphere HA architecture
- Configure and manage a vSphere HA cluster
- Use vSphere HA advanced parameters
- Enforce infrastructural or intra-app dependencies during failover
- Describe vSphere HA heartbeat networks and datastore heartbeats
- Examine the features and functions of vSphere Fault Tolerance
- Enable vSphere Fault Tolerance on virtual machines
- Support vSphere Fault Tolerance interoperability with vSAN
- Examine enhanced consolidation of vSphere Fault Tolerance virtual machines
- Examine the features and functions of vSphere Replication

10 vSphere DRS

- Describe the functions of a vSphere DRS cluster
- Create a vSphere DRS cluster
- View information about a vSphere DRS cluster
- Configure virtual machine affinity, DRS groups, and VM-host affinity rules
- Remove a host from a vSphere DRS cluster

11 vSphere Update Manager

- Describe the architecture, components, and capabilities of vSphere Update Manager
- Use vSphere Update Manager to manage the patching of ESXi, virtual

machines, and vApps

- Examine the features and functions of vSphere Update Manager EAM integration
- Integrate vSphere Update Manager with vSphere DRS

12 vSphere Troubleshooting

Apply a troubleshooting methodology to logically diagnose faults and improve troubleshooting efficiency

Review troubleshooting tools

Find important log files

Use vSphere Syslog Collector