VMware Training

Course Overview

Bodhi IT provides best VMware Training Course by our highly professional certified trainers. VMware holds erstwhile recognition for building foundations of the virtualization technology across the globe. VMware Training Networks deliver world-class certifications to IT professionals helping them to develop the necessary skills and technical competence crucial to operate and survive in VMware cloud environments. VMware coddles in designing a platform of server and desktop virtualization through the initialization of its new technologies such as software-defined storage and network specialization.

- Training by Realtime Expert trainer
- Live Online Classes
- Free study material
- Online virtual Classes available in morning, evening and weekend

Prerequisites

- Basic PC and internet knowledge.

Duration

Online

The format is 40% theory, 60% Hands-on.

It is a 20 days program and extends up to 2hrs each.

Corporate

- The format is 40% theory, 60% Hands-on.
- It is a 5 days program and extends up to 8hrs each.

Course Content

Course Introduction

- Review course goals
- Review course objectives
- Review the course outline
- Find additional resources after this course

Data Center Fundamentals

- Identify the characteristics of servers
- Specify how to access servers remotely
- Describe server redundancy and how it benefits data centers
- Describe the characteristics of storage, including RAID levels, local versus shared storage, and SAN versus NAS storage
- Describe VMware virtual storage concepts
- Identify the basic characteristics and components of networks
- Define database terminologies
- Describe the fundamental components and concepts behind data center virtualization

VMware Virtual Infrastructure Overview

- Compare the components and concepts of traditional architecture and virtual architecture
- Identify the benefits of virtual architecture
- Describe the VMware virtualization infrastructure
- Describe server virtualization concepts
- Identify vSphere components, including vCenter Server, VMware ESXi™, and VMware vSphere® Client™
- View and describe virtual network and storage components
- Describe inventory objects managed by vSphere
- Describe the main features of vCenter Server

Using vSphere Web Client

- Identify the differences between the vSphere
- Client and VMware vSphere® Web Client interfaces
- Access, navigate, and customize vSphere Web Client
- Use vSphere Web Client to monitor and manage vSphere objects

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- Perform searches in vSphere Web Client
- Describe how roles and permissions can be assigned to users and user groups through vSphere Web Client

Creating and Managing Virtual Machines

- Create and manage virtual machines
- Install a guest operating system and VMware Tools™
- Describe how to use clones and templates to manage virtual machines
- Describe the importance of content libraries
- Configure virtual machines
- Use snapshots to manage virtual machines
- Describe how raw device mapping enables a virtual machine to directly access and use a storage device
- Describe virtual machine resource monitoring concepts
- Use vCenter Server performance graphs and alarms to monitor virtual machine resource usage
- Describe and monitor tasks
- Describe, monitor, and manage events
- Describe, monitor, manage, and acknowledge alarms

Allocating Resources to Business Functions in vSphere

- Describe CPU and memory resource management techniques used in ESXi
- Use virtual machine resource controls to allocate CPU and memory resources
- Use resources pools to hierarchically allocate CPU and memory resources

Managing Multitiered Applications Using vSphere vApps

- Describe a vApp
- Create a vApp
- Add objects to a vApp
- Edit vApp settings
- Clone a vApp
- Manage the power operations of a vApp

Migrating Virtual Machines in vSphere

- Describe the operation and benefits of vSphere vMotion and vSphere Storage vMotion
- Use vSphere vMotion to migrate a live virtual machine

- Use vSphere Storage vMotion to migrate a live virtual machine's data

Distributing Virtual Machine Workloads in vSphere

- Describe the operation and scalability benefits of vSphere DRS
- Configure a vSphere DRS cluster and resource pools
- Describe the operation and scalability benefits of VMware vSphere® Storage DRS™
- Describe the operation and cost benefits of VMware vSphere®
  Distributed Power Management™

High Availability and Fault Tolerance

- Describe the operation and availability benefits of vSphere HA
- Configure a vSphere HA cluster
- Describe the operation and availability benefits of VMware vSphere® Fault Tolerance
- Configure a virtual machine for fault tolerance

Extending vSphere Capabilities

- Explain how VMware products and features work together to reduce the costs and improve the efficiency, availability, flexibility, and manageability of your data center

VMware Cloud Fundamentals

- Describe the concepts of cloud computing
- Define the types of cloud computing
- Differentiate between SaaS, PaaS, and IaaS
- Explain common IT challenges faced by organizations using cloud computing
- Describe VMware products that are part of the VMware cloud solution
- Identify solutions for cloud computing challenges