

3 Days

VMware vSphere: Design Workshop [V5.x]

The VMware vSphere Design Workshop V5.x training course aims to equip VMware consultants with the requisite competencies, skill-set, and right knowledge base to formulate and construct a VMware vSphere 5 Virtual Infrastructure.

Apart from installation, configuration, and optimization, it is necessary for the consultants to learn the art of designing the architecture of vSphere. This course offers the benefits as well as vulnerabilities of existing designing alternatives and provides information of sound design decisions.

Keeping in mind the organization's budget and constraints, the consultant will be made to learn to design a highly scalable, valuable, secure and manageable architecture of vSphere to realize the business objectives.

Course Details

Course Outline

1. Course Introduction

- Course Goals
- Course Objectives
- View the Course module outline

2. Design Process Overview

- Define and describe a framework methodology
- Identify and discuss design guidelines, sessions, approaches, decisions, implications, and create a design framework
- Clarify key terminology
- Identify design tools, Information Technology Infrastructure Library v3, including the architecture quality matrix, and the vSphere technology stack

3. VMware vSphere Storage Design

- Develop a storage design
- Recognize and analyze best-practice recommendations
- Identify useful information for making design decisions about virtual and physical storage
- Communicate choices and their benefits and risks to the customer
- Analyze alternative storage design choices

4. VMware vSphere Network Design

- Develop a network design
- Recognize and analyze best-practice recommendations
- Identify useful information for making design decisions about virtual and physical networks
- Communicate choices and their benefits and risks to the customer
- Analyzing alternative network design choices

5. Compute Resources Design

- Develop a host design
- Recognize and analyze best-practice recommendations
- Identify useful information for making design decisions about host CPU and memory
- Communicate choices and their benefits and risks to the customer
- Analyze alternative host design choices

6. Virtual Machine Design

- Develop a virtual machine design
- Recognize and analyze best-practice recommendations
- Identify useful information for making design decisions about virtual machines
- Communicate choices and their benefits and risks to the customer
- Analyze alternative virtual machine design choices

7. VMware vSphere Virtual Datacenter Design

- Develop a virtual data center design
- Recognize and analyze best-practice recommendations
- Identify useful information for making design decisions about virtual datacenters regarding management server and cluster configuration
- Communicate choices and their benefits and risks to the customer
- Analyze alternative virtual data center design choices

8. Management and Monitoring Design

- Develop a management and monitoring design
- Recognize and analyze best-practice recommendations
- Identify useful information for making design decisions about management and monitoring
- Communicate choices and their benefits and risks to the customer
- Analyze alternative management and monitoring design choices

Who Should Attend

The VMware vSphere Design Workshop V5.x training course is ideal for those working with the profiles of:

- Systems engineers
- System administrators
- Operators of ESXi and vCenter Server

Pre Requisite

Required prerequisites include completion of one of the following:

- Basic knowledge of vSphere 5 installation, upgrade, configuration, and administration

Exams

VMware Certified Professional (VCP) [VCAP5-DCD]

VMware Certified Associate (VCA) [VCA]

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