VS70-DESIGN (VMWARE VSPHERE: DESIGN [V7]) 7

Objetivo

Objectives By the end of the course, you should be able to meet the following objectives: â□¢ Identify the business objectives for the vSphere environment â□¢ Identify business requirements, constraints, assumptions, and risks for all layers in the vSphere environment â□¢ Apply a framework to a design â□¢ Analyze design choices and best-practice recommendations â□¢ Create a design that ensures availability, manageability, performance, recoverability, and security â□¢ Design the core management infrastructure for an Enterprise â□¢ Design the virtual data center for an Enterprise â□¢ Design the compute infrastructure for an Enterprise â□¢ Design the storage and networking infrastructures for an Enterprise â□¢ Design virtual machines to run applications in a vSphere infrastructure â□¢ Design security, manageability, and recoverability features for an enterprise

PÃºblico Alvo

Intended audience Experienced system integrators and consultants responsible for designing and deploying vSphere environments

PrÃ©-Requisitos

Prerequisites This course requires completion of the following prerequisites: â□¢ VMware vSphere: Install, Configure, Manage [V7] â□¢ VMware vSphere: Optimize and Scale [V7]

Carga HorÃ¡ria

24 horas (3 dias).

ConteÃºdo ProgramÃ¡tico

COURSE OUTLINE

1 Course Introduction
• Introductions and course logistics
• Course objectives

2 Infrastructure Assessment
• Follow a proven process to design a virtualization solution
• Define customer business objectives
• Gather and analyze business and application requirements
• Document design requirements, constraints, assumptions, and risks
• Use a systematic method to evaluate and document design decisions
• Create a conceptual design

3 Core Management Infrastructure
• Determine the number of VMware vCenter® Server ApplianceTM instances to include in a design
• Choose the appropriate single sign-on identity source
• Choose the time synchronization method
• Choose methods to collect log files and ESXi core dumps
• Design a vCenter Server deployment topology that is appropriate for the size and requirements of the data center

4 Virtual Data Center Infrastructure
• Calculate total compute capacity requirements for a virtual data center
• Create a virtual data center cluster design that meets business and workload requirements
• Evaluate in the virtual data center the use of several management services, such as VMware vSphere® High Availability and VMware vSphere® Distributed Resource Scheduler™
• Evaluate the use of resource pools in the virtual data center design

5 Compute Infrastructure
• Create a compute infrastructure design that includes the appropriate ESXi boot, installation, and configuration options
• Choose the ESXi host hardware for the compute infrastructure

6 Storage Infrastructure
• Calculate storage capacity and performance requirements for a design
• Evaluate the use of different storage platforms and storage management solutions
• Design a storage platform infrastructure and storage management architecture that meets the needs of the vSphere environment

7 Network Infrastructure
• Evaluate the use of different network component and network management solutions
• Design a network component architecture that includes information about network segmentation and virtual switch types
• Design a network management architecture that meets the needs of the vSphere environment

8 Virtual Machine Design
• Make virtual machine design decisions, including decisions about resources
• Design virtual machines that meet the needs of the applications in the vSphere environment and follow VMware best practices

9 Infrastructure Security
• Make security design decisions for various layers in the vSphere environment
• Design a security strategy that meets the needs of the vSphere environment and follows VMware best practices

10 Infrastructure Manageability
• Make lifecycle management, scalability, and capacity planning design decisions that adhere to business requirements
• Design lifecycle management, scalability, and capacity planning strategies that meet the needs of the vSphere environment and follow VMware best practices

11 Infrastructure Recoverability

• Make infrastructure recoverability design decisions that adhere to business requirements
• Design an infrastructure recoverability strategy that meets the needs of the vSphere environment and follows VMware best practices