

VMWA-12 - VMWARE VSPHERE: DESIGN [V7]

Categoria: VMware

INFORMAZIONI SUL CORSO



Durata:
3 Giorni



Categoria:
VMware



Qualifica Istruttore:
VMware Certified
Instructor



Dedicato a:
Professionista IT



Produttore:
VMware

OBIETTIVI

By the end of the course, you should be able to meet the following objectives:

- Identify the business objectives for the vSphere environment
- Identify business requirements, constraints, assumptions, and risks for all layers in the vSphere environment
- Apply a framework to a design
- Analyze design choices and best-practice recommendations
- Create a design that ensures availability, manageability, performance, recoverability, and security
- Design the core management infrastructure for an enterprise
- Design the virtual data center for an enterprise
- Design the compute infrastructure for an enterprise
- Design the storage and networking infrastructures for an enterprise
- Design virtual machines to run applications in a vSphere infrastructure
- Design security, manageability, and recoverability features for an enterprise

Certifications

This course is recommended if you aim to achieve the following certification:

- VMware Certified Advanced Professional – Data Center Virtualization (VCAP-DCV) Design

PREREQUISITI

This course requires completion of the following prerequisites:

- VMware vSphere: Install, Configure, Manage [V7]
- VMware vSphere: Optimize and Scale [V7]

CONTENUTI

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 Appliance™ 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

INFO

Esame: 3V0-21.21 - Advanced Design VMware vSphere 7.x --- VMware Certified Advanced Professional - Data Center Virtualization Design (VCAP-DCV Design)

Materiale didattico: Materiale didattico ufficiale VMware in formato digitale

Costo materiale didattico: incluso nel prezzo del corso a Calendario

Natura del corso: Operativo (previsti lab su PC)