
VMware Infrastructure : Design

Duration: 4 Days **Course Code: VMDES**

Overview:

This hands-on training course explores the foundations of designing VMware Infrastructure architectures.

Target Audience:

System architects, system administrators, IT managers, and individuals responsible for designing VMware Infrastructure architectures.

Objectives:

- At the end of the course, you should understand the principles involved in designing VMware Infrastructure architectures:
 - Implementing best practices and evaluating design considerations to meet business needs
 - Distributing resources across ESX clusters automatically and ensuring high availability
 - Architecting remote and branch offices
 - Designing to support certain enterprise applications
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Prerequisites:

Required

Achievement of a passing score on a short, online pretest.

Recommended

Completion of VMware Infrastructure 3: Install and Configure, or equivalent experience with VMware ESX and VirtualCenter, and administration experience with Microsoft Active Directory, Microsoft SQL Server, and Microsoft Exchange Server.

Content:

Module 1: Introduction

- Fundamental design principles

Module 2: Designing for Manageability

- Designing for lower cost of administration

Module 3: Designing for Availability

- Fault-tolerant, resilient, and highly available architectures

Module 4: Designing for Scalability

- Trade-offs between scaling up versus scaling out resources

Module 5: Designing Based on Analytical Tools

- Designing templates based on inventory analysis
- Sizing a virtual infrastructure based on capacity analysis

Module 6: Designing for Remote and Branch Offices

- Centralized and distributed remote office architectures
- Making remote office information more available

Module 7: Designing for Microsoft SQL Server

- Design considerations for online transaction processing (OLTP) versus decision support systems (DSS)
- Deciding between VMFS, RDM, and a hybrid combination

Module 8: Designing for Microsoft Active Directory

- Designing virtual domain controllers to minimize management while maximizing performance

Module 9: Designing for Microsoft Exchange Server

- Including Exchange 2003 and Exchange 2007 server roles

Additional Information:

This course is not required for the VMware Certified Design Expert (VCDX) certification. The content of the course is a subset of the knowledge tested in the VCDX examinations. Therefore, the course is most appropriate for persons who are new to designing virtual infrastructures and who intend to gain further hands-on design experience before beginning the VCDX process.

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 01924 377489

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