Netec Digital
Certificaciones Profesionales en TI

Temario:

VMware vSphere: Optimize and Scale [V6.7]

vmware®
PARTNER

AUTHORIZED
TRAINING CENTER

1 Course Introduction
- Introductions and course logistics
- Course objectives
- Identify additional resources for after this course
- Identify other VMware Education offerings

2 Network Scalability
- Configure and manage vSphere distributed switches
- Describe how VMware vSphere Network I/O Control enhances performance
- Explain distributed switch features such as port mirroring, LACP, QoS tagging, and NetFlow

3 Storage Scalability
- Explain why VMware vSphere VMFS is a high-performance, scalable file system
- Explain VMware vSphere Storage APIs - Array Integration, VMware vSphere API for Storage Awareness, and vSphere APIs for I/O Filtering
- Configure and assign virtual machine storage policies
- Create vSAN storage policies
- Configure VMware vSphere Storage DRS and VMware vSphere Storage I/O Control

4 Host and Management Scalability
- Define and use content libraries
- Describe and use host profiles
- Describe and use VMware vSphere ESXi Image Builder CLI and vSphere Auto Deploy

5 CPU Optimization
- Explain the CPU scheduler operation and other features that affect CPU performance
- Explain NUMA and vNUMA support
- Use esxtop to monitor key CPU performance metrics

6 Memory Optimization
- Explain ballooning, memory compression, and host-swapping techniques for memory reclamation when memory is overcommitted
- Use esxtop to monitor key memory performance metrics

7 Storage Optimization
- Describe storage queue types and other factors that affect storage performance
- Use esxtop to monitor key storage performance metrics

8 Network Optimization
- Explain the performance features of network adapters
- Explain the performance features of vSphere networking
- Use esxtop to monitor key network performance metrics

9 vCenter Server Performance Optimization
- Describe the factors that influence vCenter Server performance
- Use VMware vCenter Server Appliance tools to monitor resource usage

10 vSphere Security
- Configure ESXi host access and authorization
- Secure ESXi, vCenter Server, and virtual machines
- Use VMware Certificate Authority to configure vSphere certificate management
- Configure vSphere to encrypt virtual machines, core dumps and VMware vSphere vMotion migrations

Para más información, contáctenos al correo:
informes@netecdigital.com

www.netecdigital.com

Netec Digital
Certificaciones Profesionales en TI

vmware PARTNER
AUTHORIZED TRAINING CENTER