



VM-ESX4

VMware vSphere: Install, Configure, Manage [V4]

Organisers: Nuclei & Westcon Africa in collaboration with Torque IT

Price: Rs 65,000

Duration: 4 Days

Vendor: VMware

Category: Virtualization

Introduction

This hands-on training course explores installation, configuration, and management of VMware® vSphere™, which consists of VMware ESXi/ESX™ and VMware vCenter™ Server. Upon completion of this course, you can take the examination to become a VMware Certified Professional. The course is based on ESXi 4.0, ESX 4.0, and vCenter Server 4.0.

Prerequisites

System administration experience on Microsoft Windows or Linux operating systems

Objectives

At the end of the course, you should possess knowledge and skills for the following:

- Install and configure ESX
- Install and configure vCenter Server
- Configure and manage ESX networking and storage using vCenter Server
- Deploy and manage virtual machines
- Manage user access to the VMware infrastructure
- Increase scalability using vCenter Server
- Monitor resource usage using vCenter Server
- Apply patches using VMware vCenter Update Manager
- Manage higher availability and data protection using vCenter Server.



Course Outline

Module 1: Course Introduction

Module 2: Introduction to VMware Virtualization

Discussion of virtualization and vSphere components

Module 3: Configuring ESXi/ESX

Configuration of ESXi and ESX

Module 4: Installing and Using VMware vCenter Server

Install and configure vCenter Server, and use the VMware vSphere Client to manage vCenter Server inventory hierarchies

Module 5: Networking

Configuration of vNetwork standard and distributed switches, network connections, and port groups

Module 6: Storage

Storage management technologies

Module 7: Virtual Machines

Deploy virtual machines using templates, VMware vCenter Converter, Guided Consolidation
Modifying, managing, and migrating virtual machines

Module 8: Access Control

Controlling user access through roles and permissions

Module 9: Resource Monitoring

Workload assessment, monitoring using vCenter Server

Module 10: Scalability

VMware VMotion™ migrations

Setup of resource pools and VMware Distributed Resource Scheduler cluster

Module 11: High Availability and Data Protection

Setup of a VMware High Availability cluster

Backup and recovery of virtual machines using VMware Data Recovery

Module 12: Configuration Management

Patching using vCenter Update Manager

Module 13: Installing ESX

Installation of ESX

Associated Certifications & Exams

On successful completion of this course students will receive a Torque IT attendance certificate.