

## VM - NEW4 VMware vSphere: What's New [V4]

### Summary

**Duration**

2 Days

**Vendor**

VMware

**Category**

Virtualization

### Introduction

This hands-on training course explores new features in future versions of VMware® vCenter Server and ESX™/ESXi, as well as how to upgrade.

### Prerequisites

*Recommended*

Completion of VMware Infrastructure 3: Install and Configure, or equivalent experience with VMware ESX and vCenter Server.

### Course Objectives

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

- Upgrading VMware deployments
- Deploying distributed virtual switches to simplify datacenter-wide network management
- Using VM Direct Path to assign a PCI adapter directly to a virtual machine
- Migrating virtual machines' storage while they are live with Storage vMotion
- Growing virtual disks and VMFS volumes while they are live
- Employing VMware's new Pluggable Storage Architecture
- Ensuring application availability with VMware Fault Tolerance
- Manage more than one vCenter Server from the same client
- Use the new host profiles feature to keep hosts uniformly configured
- Save energy with VMware Distributed Power Management
- Save disk space with thin provisioning
- Administer virtual appliances consisting of more than one virtual machine

### Course Outline

**Module 1: Introducing the Next Generation of VI**

Highlights Next Generation enhancements by component and reviews upgrade tools and strategies.

**Module 2: Infrastructure Administration**

Presents new features that support better infrastructure monitoring and reduce the time it takes to provision ESX/ESXi hosts and virtual machines.

**Module 3: Networking**

Discusses networking enhancements that simplify configuration, extend support, and improve performance.

#### **Module 4: Storage**

Introduces new storage features that reduce storage costs, streamline management, and optimize performance.

#### **Module 5: Resource Management**

Reviews vMotion™ compatibility enhancements, new VMware Distributed Resource Scheduler monitoring and management tools, and extended VMware DPM support.

#### **Module 6: Business Continuity**

Presents VMware High Availability enhancements and introduces VMware Fault Tolerance and vStorage APIs for data recovery.

### **Associated Certifications & Exams**

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