Training Course:
VMware vSphere: Administration and Managemnt

6 - 10 May 2024
Kuala Lumpur (Malaysia)
Royale Chulan Kuala Lumpur

Training Course:
VMware vSphere: Administration and Managemnt

Training Course code: IT234923 From: 6 - 10 May 2024 Venue: Kuala Lumpur (Malaysia) - Royale Chulan Kuala Lumpur
Training Course Fees: 5445 Euro

Introduction

This five-day training course provides hands-on training to equip students with a range of skills, from performing routine VMware vSphere® 7 administrative and management tasks to complex vSphere operations and configurations. Through activities, participants are immersed in real-life situations faced by VMBeans, a fictitious company. These situations expose students to real-life scenarios faced by companies that are building and scaling their virtual infrastructure.

Training Objectives

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

- Configure and manage complex storage solutions in a vSphere environment including NFS, iSCSI, and so on
- Configure and manage complex, scalable vSphere networking operations vSphere Standard Switch and Distributed Switches
- Deploy, manage, and optimize virtual machines advanced configuration, content library, latency-sensitive workloads, and more
- Manage business continuity and operations in your vSphere environment VMware vCenter® Server Appliance file-based backup, VMware vCenter Server® profiles, host profiles, and so on
- Plan and implement increased vSphere security use a Key Provider, VM Encryption, CPU scheduler remediations, and so on
- Troubleshoot the vSphere environment
- Use VMware vSphere® Lifecycle Manager to upgrade to VMware ESXi hosts and virtual machines VUM, image-based clusters, and so on
- Implement vSphere cluster solutions Cluster QuickStart wizard, VMware vSphere® Distributed Resource Scheduler, VMware vSphere® High Availability, VMware vSAN, and so on
- Implement resource optimizations to streamline vSphere deployments
- Create an advanced configuration of vCenter Server including an identity source

Course Outlines

INTRODUCTION

- Introductions and course logistics
- Course objectives
- Introduction to fictitious company: VMBeans

CONFIGURE AND MANAGE YOUR VSPHERE ENVIRONMENT

- Perform various vCenter Server configurations
- Configure an external identity source
- Configure virtual networking with advanced options

- Configure and manage advanced storage configurations
- Configure vSphere clusters also using Cluster QuickStart

MANAGEMENT AND OPERATIONS IN YOUR DATA CENTER

- Collect vSphere log files
- Configure vCenter Server file-based backup
- Working with vCenter Server profiles
- Configure and manage advanced cluster settings
- Create and configure advanced host options
- Create and manage host profiles
- Manage and remediate clusters using vSphere Lifecycle Manager
- Create and configure a Content Library
- Update a managed virtual machine template
- Configure a central VMware ToolsTM installation repository
- Manage vSphere roles and permissions

TROUBLESHOOT YOUR DATA CENTER ENVIRONMENT

- Troubleshoot vSphere configuration issues
- Troubleshoot resource pool configuration issues
- Troubleshoot network and storage issues
- Troubleshoot ESXi host issues
- Troubleshoot vCenter Server resource issues

INCREASING SECURITY IN YOUR DATA CENTER

- Create and manage a Key Management solution
- Create an encrypted virtual machine
- Configure CPU scheduler options to achieve security remediations

PERFORMANCE AND OPTIMIZATION IN YOUR DATA CENTER

- Manage advanced virtual machine configurations
- Identify and implement vSphere resource optimization opportunities

Registration form on the Training Course: VMware vSphere: Administration and Managemnt

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