VMware Virtualization Basic

Course Duration: 16 Hours **Course Code: VMW-VBC**

1. Course Overview

The VMware Virtualization Basic Course is designed to introduce learners to the fundamentals of virtualization and VMware technologies. This course provides a solid foundation in virtualization concepts, VMware vSphere components, and virtual machine management. Through hands-on labs and guided instruction, participants will gain practical knowledge to begin their journey into the world of virtualization.

2. What You'll Learn?

- Understanding virtualization concepts and benefits
- Overview of VMware vSphere architecture
- Installing and configuring VMware ESXi and vCenter Server
- Creating and managing virtual machines (VMs)
- Resource allocation and performance monitoring
- Basics of networking and storage in VMware
- Best practices for virtualization environments

3. Target Audience

This course is suitable for:

- IT professionals looking to start a career in virtualization
- System administrators who want to enhance their VMware skills

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- Network and storage engineers exploring virtualization environments
- Students and beginners interested in cloud and virtualization technologies

4. Pre-Requisites

Before attending this course, participants should have:

- Basic knowledge of computer hardware and networking concepts
- Familiarity with operating systems such as Windows or Linux
- No prior VMware experience required (beginners friendly)

5. Course Content

Module 1: Introduction to Virtualization

- Virtualization concepts and benefits
- VMware virtualization overview

Module 2: VMware vSphere Architecture

- vSphere components (ESXi, vCenter Server, VMs)
- Role of hypervisor

Module 3: Installing and Configuring ESXi

- ESXi installation requirements
- Initial configuration and management

Module 4: Virtual Machine Management

- Creating, configuring, and managing VMs
- Snapshots and cloning

Module 5: Networking in VMware

- Virtual switches and port groups

- Network configuration for VMs

Module 6: Storage in VMware

- Datastores and storage options
- VMFS and NFS concepts

Module 7: Resource Management & Monitoring

- CPU, memory, and storage allocation
- Performance monitoring tools

Module 8: Best Practices and Use Cases

- Virtualization best practices
- Introduction to advanced VMware features

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