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Virtualization Certification Course

Email Contact: info@educba.com



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Course Overview

This Virtualization course is a course package of multiple courses and chapters on Virtualization and its related cloud computing techniques.

It also contains several other modules that contain Virtualization related concepts such as Server virtualization, VMWare center, vSphere training etc.

Virtualization Training Skills

We learn the following skills:

Virtualization course are web VMware, vSphere, Cloud, KVM, Virtual Machines, Server Virtualization, Hyper-V, VMWare vCenter, Cloud, Cloud Computing, Server Appliance, Docker. and a few other Virtualization and cloud computing technologies. fundamental and highly useful data analysis skill from a beginner level.

Course Features



Course Duration- 23 + Hours



Number of Courses



Verifiable Certificates



Lifetime Access



Technical Excellence

About Virtualization

Virtualization is the process of virtualizing the software and hardware components such as Computing devices, operating systems, hardware platforms, computer networks, RAM and physical storages etc.

Virtualization can be referred to as either hardware or platform Virtualization.

Virtualization Course

This is a Bundle Course that includes complete in-depth Virtualization Learning Courses combined into one Complete Course.

This Bundle perfectly meets the requisite of the industry and gives you a better chance of being hired as a Virtualization professional.

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VMware Virtual Machines

Section 1. Introduction

- Introduction to VMware Training

Section 2. Linux Basic Command

- Basic Command - List and CD
- Basic Command - CAT Command
- Basic Commands - CP Command
- Basic Commands - Add and Delete User
- Basic Commands - Tab and History
- Basic Command - Touch and File
- Basic Command - Head and Tail
- Find Command
- Grep command

Section 3. Overview

- VMWare Overview
- VM Ware Workstation Installation Guide
- VM Ware Workstation Settings Overview

Section 4 . Installing Win7 in VM Ware workstation

- Installing Win7 in VM Ware Workstation
- Installing Vmware Tools
- Installing RHEL 6.5 in VM Ware Workstation
- Installing ESXi server in VM Ware Workstation
- Configure Management Network
- Accessing ESXi Server from Vsphere Client

Section 5. How to install Virtual Machine in ESXi Serve

- Installing Virtual Machine in ESXi Server
- Open Virtual Machine inside Window Server
- Export Virtual Machine in VM Ware Workstation
- Import of a Virtual Machine in VM Ware Workstation

Section 6 . Network Settings

- Network Settings in VM Ware Workstation
- How to Create Virtual Machine in VM Ware Player

Section 7 . VM Ware Player

- Import virtual machine in VM Ware Player

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VMware Virtual Machines

Section 8. Managing Network Settings

- How to Manage network Setting in VMware
- Issue solving of Network Setting for Windows

Section 9. VM Ware Convertor Standalone

- Convert Physical machine to Virtual Machine

Section 10. VM Ware Shared Machine

- How to Create a Windows server 64 Bits
- How to Create a Shared Virtual Machine
- Creating a Clone of Virtual Machine
- Access Machines Over Remote Using RDP
- Permissions for Shared Virtual Machine

Section 11. VM Ware Machine Snapshot

- Take Snapshot of a Virtual Machine

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VMware vSphere Virtualization

Section 1. Introduction

- Introduction to vSphere Training

Section 2. Server Concept and Fundamentals

- Server and Storage Basics
- Tower Server
- CPU Socket Vs CPU Core

Section 3. Storage Fundamentals

- Storage Fundamentals and Terminologies
- Types of RAID and Levels
- Definition of (NAS) and (SAN)
- Cons and Components
- Fronted SAN Protocols and (iSCSI)
- FCoE Comparison
- Hardware and Host Bus Adapter (HBA)
- Software Manage Storage and Controls
- Network File System (NFS) and Data Stores
- How Virtual Machines Access Storage

Section 4. Virtualization with Vsphere

- Types and Benefits of Virtualization
- VMware ESXi Server
- vCenter Server manage Physical Host

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VMware vSphere Virtualization

Section 5. ESXi 6.5 Installation

- ESXi Compatibility
- ESXi 6.5 Installation
- Server Manager

Section 6. vCenter Server Installation

- vCenter Server 6.5 Installation
- Data Center
- Basic Storage
- Using Server
- CPU Socket vs CPU Core

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Virtualization with VMware

Section 1. Introduction to Virtualization

- Introduction
- Virtualization Technology

Section 2. Virtualization Software

- Why use Virtualization and Virtualization software
- Key properties of Virtual Machines
- Storage Vmotion
- Update manager

Section 3. VMware Software Introduction

- VMware Intro
- VMware Workstation theory

Section 4. Installing VMware

- Installing VM
- Installing VMware Workstation

Section 5. Working on Virtual Machine

- Use of VM OS
- Clone of VM
- Map and virtual Network Editor

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Virtualization using KVM

Section 1. Introduction

- Introduction to Virtualization Using KVM
- KVM Virtualization Solution

Section 2. Configuring Network

- Configuring Network

Section 3. Creating First VM

- Creating First VM
- Install Virt Viewer
- Create KVM

Section 4. Connection and Command

- Virsh Shutdown and Ssh Connection
- Virsh Command
- Virch VCPUing VM
- Gedit Text Editor
- Edit Command

Section 5. Migration

- Learn About Migration
- Learn About Backup

Section 6. IP Assigning

- IP Assigning

Section 7. Backups

- Backups of VM
- Watch Command
- Migrating Virtual Machine CS to Another AS

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Server Virtualization

Section 1. Course Introduction

- Server Virtualization
- Introduction
- Before virtualization
- Server Consolidation

Section 2. Development Environment

- Development Provision
- After Virtualization
- Business continuity
- Server Security
- Hardware Independent

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Virtualization and Cloud Computing

Section 1. Introduction

- Setting up the stage
- Introduction
- Overview of cloud computing
- Take away from cloud computing

Section 2. Virtualization

- Virtualization Concepts
- Traditional server count
- Virtualization
- Cloud computing and Visualization



Hyper-V and Virtualization Training

Section 1. Introduction

- Introduction to Hyper-V and Virtualization Training

Section 2. Getting Started Virtualization

- Before and After Virtualization
- Types of Hyper Visor
- Network Virtualization

Section 3. Installing

- Installing VMware Component
- Installing ESXi 6.X and Boot From SAN
- Primary Partition and Volume Properties

Section 4. Server Appliance Deployment

- VMware vCentre Server Appliance Deployment

Section 1. Introduction

- Introduction to Vcenter and Vcenter Appliance Training
- ESXi 5.5 System Requirements

Section 2. Installation and Configuration

- Why vCenter
- Features of vCenter
- Fault Tolerance
- How to Installation vCenter
- VMware Installation
- Installing VMware-vCenter Server
- Installing VMware-vSphere Client
- Usage Administrator

Section 3. VMware Vcenter

- Introduction to VMware Vcenter
- Resolution of Vcenter Server
- Installation of Vcenter Server
- Configuration of Vcenter Server
- Database Settings of Vcenter Server
- Administration Setting Vcenter Server
- vSphere Web Client
- Sso Setting Vcenter Server



Section 1. Introduction

- Introduction and Basics to Docker

Section 2. Getting Started

- Concept of Container
- Docker Swarm

Section 3. Docker Command


- Building Images in Docker
- Commands for Docker Images
- Docker Commit Command
- Writing a Docker File
- Docker Build Command
- Specifying Command to Run
- Entrypoint Instruction

Section 4. Specification in Docker

- Getting Terminal Access to Content
- Managing Images and Containers
- Finding Container ID and Running Docker
- Deleting Local Images using RMI Command
- Specifying Volumes in Docker File
- Purpose of Using Volumes

Section 5. Basics Networking

- Container Networking Basics
- Uses of Linking
- Docker Continuous Integration



Frequently Asked Questions

Why should I choose this Virtualization course?

Any VMWare Engineer or Citrix Engineer or Cloud Computing Engineer working on the cloud computing systems or Virtualization and who are eagerly willing to learn and master the Cloud Computing and Virtualization techniques and concepts should obviously choose this Virtualization course.

Is this a quick-fix to clear interview or do I still need to practice continuously while learning this virtualization certification?

Yes, this is can be a quick-fix with previous knowledge or experience in computers or Virtualization or its relative system engineering administration roles. This Virtualization course needs to spend a minimum of 23 plus hours to complete.



Customer Reviews

“

One may find the course (i.e., Virtualization Certification and Cloud Computing) interesting and filled with current information. This course content was delivered in an informative manner. This instructor appeared to be very knowledgeable about the subject matter. I would recommend this course for those interested in learning more about cloud computing.

Lester Darris

”

The best course so far. The instructor was excellent. As an introduction to Cloud Computing it was incredibly educational. The future of Enterprise computing lies within the cloud. I learned a lot of new things. The instructor expanded on the things I already knew therefore making the learning that more valuable. Thank you.

Richard H. Rihm

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Very basic, but well prepared, tutorial/guide for anybody who is interested in “playing” with VMware products. For more advanced users, there is too much already known information, Also, there is need to point out, that main subject of this course is VMware Workstation and not the VMware ESXi.

Marko Zbirka



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Virtualization Certification Course

For Queries please contact:

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