

CVCP Certified Virtualization and Cloud Principles

Overview

The Cloud is being widely adopted today for a diverse set of reasons! But why? What can we expect? How is it implemented? Is it secure? There are many additional questions that can be asked related to this fast adoption of cloud offerings. We see anything from the ease of sharing documents with co-workers to the use of a cloud access security broker to supply enforcement of our security policies for many cloud-based implementations.

This course will begin by providing the necessary architecture components to help us understand what technologies are being used under the hood so that we can make informed decisions when choosing a cloud vendor.

Upon Completion

Upon completion, the Certified Virtualization and Cloud Principles candidate will be able to competently take the CVP exam.

Course Length

3 days

Format

- Instructor-led Training
- Instructor led Online Training

Prerequisites

General understanding of internet and web technologies; General understanding with network and storage concepts

Student Materials

- Student Workbook
- Student Lab Guide

Certification Exam

Certified Virtualization and Cloud Principles, CompTIA Cloud+

Who Should Attend?

- IT Managers
- IT Consultant
- Solutions Architects
- IT Administrators
- IT Developers
- IT Analysts
- And anyone that needs a general understanding of Cloud Implementations

Course Outline

- Module 1: Introduction to Cloud Computing
- Module 2: Technologies used Under the Hood
- Module 3: Virtualization Overview
- Module 4: Risk, Compliance Governance
- Module 5: Technical Components of Cloud Security
- Module 6: Cloud Management and Operations

Lab Outline

- Lab 1: Cloud Migration Evaluation
- Lab 2: SaaS implementation with Salesforce
- Lab 3: PaaS implementation with Microsoft Azure
- Lab 4: Virtualization 101 with VMware vSphere
- Lab 5: Networking at the virtual Layer with VMware vSphere
- Lab 6: Networking at the cloud layer with Microsoft Azure
- Lab 7: Storage at the virtual layer with VMware vSphere
- Lab 8: Storage at the cloud layer with Microsoft Azure
- Lab 9: Resource Management with VMware vSphere
- Lab 10: Resource Management with Microsoft Azure

- Lab 11: Cloud Business Driver Audit Exercise
- Lab 12: Service Level Agreement (SLA) Compliance
- Lab 13: Basic Data Center Operations in Microsoft Azure
- Lab 14: Network Security in Microsoft Azure
- Lab 15: Storage Security in Microsoft Azure
- Lab 16: Encryption in Microsoft Azure
- Lab 17: Identity and Access Management in Microsoft Azure
- Lab 18: Hardening VMs with VMware vSphere
- Lab 19: Interoperability and Portability with Microsoft Azure
- Lab 20: Business Continuity with Microsoft Azure