CompTIA Cloud+, Part 1 of 8: Cloud Concepts and Models

Meet the expert: Patrick Loner has certifications for MCSA, MCSE, MCITP, A+, Network+, Security+, and more. He has been working as a Microsoft Certified Trainer, network administrator, and network consultant for over ten years. He has over a decade of experience working with and teaching about Windows networks with client and server operating systems. He has guided many students toward Microsoft and CompTIA certifications. Most recently, he has worked as a freelance trainer and network consultant specializing in Windows Server 2008 and Microsoft Exchange 2007 and Exchange 2010 implementations, design, and upgrades. Patrick continues to branch out now working with and training on Windows Server 2012, Windows 8, Exchange 2013, and System Center Configuration Manager 2012.

Prerequisites: There are no prerequisites for this course.

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Course description: Explore the world of cloud computing by examining the reasons why more organizations are moving to the cloud. As a cloud professional, the ability to distinguish one service model from another, as well as one cloud delivery method from another, is vital to your success. These key concepts will be examined, as well as an overview of the cloud and object storage terminology necessary to get your foot in the door as you prepare to become a cloud certified professional.

Course outline:

Intro to Cloud Benefits
- Introduction
- Introduction to Cloud Benefits
- Problems with Server-Based Infrastructure
- Summary

Cloud Service Models
- Introduction
- Cloud Service Models
- IaaS
- PaaS
- SaaS
- Other Models
- Accountability and Reliability
- Summary

Cloud Delivery Models
- Introduction
- Cloud Delivery Models
- Private Cloud
- Private Cloud Advantages and Disadvantages
- Public Cloud
- Public Cloud Advantages and Disadvantages
- Hybrid Cloud
- Community Cloud
- On- and Off-Premise Hosting
- Orchestration Platforms
- Summary

Cloud Terminology
- Introduction
- Cloud Terminology
- Elasticity
- Pay-As-You-Grow
- Ubiquitous Access
- Multitenency
- Cloud Bursting
- Summary

Object Storage Concepts
- Introduction
- Object Storage Concepts
- More Concepts
- Summary