Cloud Computing Fundamentals - MOC On Demand (MS-99994)

Modality: On Demand

Duration: 0.5 Days

About this course:

This course is Microsoft Official On-Demand course accessible for 90 days from the date of course request, if you have annual subscription, or course purchase individually. Course access will expire after 90 days of course enrollment.

Cloud computing is a general term for the delivery of hosted services over the internet. Cloud computing enables companies to consume a compute resource, such as a virtual machine (VM), storage or an application, as a utility just like electricity rather than having to build and maintain computing infrastructures in house. After completing this course you will achieve fundamental understanding of what is Cloud Computing, you will be able to understand Cloud Segments and Cloud Deployment Models, you will be able to identify Key Cloud Companies and you will gain knowledge of Cloud Services and Cloud Security.

The average salary for a Cloud Administrator is **$100,000** per year.

Course Objective:

After completing this course, students will be able to:

- Achieve fundamental understanding of what is cloud computing
- Understand cloud segments and cloud deployment models
- Gain knowledge of cloud services and cloud security

Audience:

This course is intended for:

- Software developers who want to understand cloud technologies
- IT managers
- System Administrators

Prerequisites:

- IT industry work experience

Suggested prerequisites courses:

- Azure Fundamentals

Career path:

[Cloud Computing Career Path…](#)

Course Outline:

Module 1: Cloud Computing Concepts

Cloud computing plays an increasingly important role in IT infrastructure, and IT professionals need to be aware of fundamental cloud principles and techniques. This module introduces the cloud, describes how the cloud evolved from traditional IT operations, and highlights considerations for implementing cloud-based infrastructure services.

Lessons

- Introducing the Cloud
- Introducing Cloud Services

- Describe what a cloud is.
- Understand evolving IT operations models.
- Understand business drivers for the cloud.

Module 2: Cloud Services Basics

Implementing a Cloud based model for your IT needs requires a good deal of planning and insight into what those needs are and what model will provide the most benefit in terms of cost, flexibility and efficiency. This module outlines the different cloud types and services as well as considerations for moving your business IT needs to the cloud.

Lessons

- Implementation: Cloud Service Usage Models

- Identify the different types of cloud services models, including Infrastructure as a Service (IaaS), Platform as a Service, (PaaS), and Software as a Service (SaaS).
- Learn how the different types of cloud services function through public, private, and hybrid implementations.
- Outline the challenges in moving from a traditional on-premises model to a cloud model.
- Describe several Microsoft options for managing a cloud infrastructure.