



55195: Introduction to Microsoft® Cloud Computing

Duration: 1 Day

Method: Instructor-Led Training (ILT) | Live Online Training

Course Description

This course is intended for IT professionals who are interested in expanding their knowledge base and technical skills with an understanding of the Cloud and Microsoft Cloud Products such as Azure®, Office 365®, OneDrive® and Intune. In this course, participants will learn high-level terminology, structure, security, deployment, and migration practices as well as the general scope of Microsoft Cloud product offerings.

Target Audience

This course is intended for:

- Developers
- Both novice and experienced IT professionals
- Managers of IT professionals who have basic Windows navigation skills and want to get started using cloud resources and products.

Prerequisites

To attend this course, candidates must have:

- Basic understanding of networking concepts.
- Basic Windows knowledge.
- Basic understanding of security concepts such as authentication and authorization.

Course Objectives

Upon successful completion of this course, attendees will be able to:

- Describe and understand the types of Cloud Infrastructure and types of Cloud Services.
- Understand how to utilize Cloud systems.
- Describe Cloud infrastructure technologies such as LDAP, X.500, E.509 and SSO in Microsoft environments.
- Understand SLA agreements and change management in the cloud.
- Describe security and privacy considerations, Privileged User Access, Regulatory Compliance.
- Investigate Support, Data Segregation, Recovery, Long-Term Viability and Transfer of Data.
- Understand the fundamentals of PKI and Digital Signing.
- Describe Cloud authentication and Authorization techniques.
- Understand the roles of Microsoft Azure, Office 365, OneDrive, and Intune.



Course Topics

Module 1: The Term “The Cloud”?

- Types of Cloud Infrastructure
- Private Cloud
- Public Cloud
- Hybrid Cloud
- Types of Cloud Services
- Infrastructure as A Service (IaaS)
- Platform as A Service (PaaS)
- Software as A Service (SaaS)

Module 2: Understanding and Utilizing Cloud Systems

- The Cloud as a Utility Model
- The Cloud as a Housing Model
- Cloud Systems Adoption by Industry
- The Cloud Mobile Advantage

Module 3: Cloud Infrastructure Technologies

- X.500 Directory Systems
- X.509 Certificate Services and PKI
- Single Sign-On (SSO) and Same Sign On (SSO)
- Some SSO Designs in Microsoft Environments

Module 4: Control of Data and Continuity of Services

- How Secure is the Cloud?
- Privileged User Access
- Regulatory Compliance
- Investigative Support
- Data Segregation
- Recovery
- Long-Term Viability – Transfer of Data

Module 6: Review Questions

- Cloud Advantages
- Cloud Terms and Acronyms
- Microsoft Cloud Products
- Security and Regulations

Module 7: PKI Fundamentals (Optional)

- PKI Fundamentals
- Digital Signing
- PKI Review Questions

Module 8:

- Understanding Cloud Authentication and Authorization
- How Claims Systems Can Replace GUID and ACL Biased Systems.

LABS INCLUDED

