

Course duration

- 5 days

Course Benefits

- Prepare to deploy cloud solutions.
- Deploy a pilot project.
- Test a pilot project deployment.
- Design a secure network for cloud deployment.
- Determine CPU and memory sizing for cloud deployments.
- Determine storage requirements for cloud deployments.
- Plan Identity and Access Management for cloud deployments.
- Analyze workload characteristics to ensure successful migration to the cloud.
- Secure systems to meet access requirements.
- Maintain cloud systems.
- Implement backup, restore, and business continuity measures.
- Analyze cloud systems for required performance.
- Analyze cloud systems for anomalies and growth forecasting.
- Troubleshoot deployment, capacity, automation, and orchestration issues.
- Troubleshoot connectivity issues.
- Troubleshoot security issues.

Course Outline

1. Understanding Cloud Concepts
2. Planning and Designing a Cloud Environment
3. Administering Cloud Resources
4. Managing Cloud Storage
5. Managing Networks in the Cloud
6. Securing and Troubleshooting Networks in the Cloud
7. Managing Cloud Migrations and Troubleshooting Cloud Deployments
8. Managing Cloud Automation and Orchestration
9. Understanding Cloud Security Concepts
10. Managing Cloud Security
11. Managing Cloud Performance
12. Managing Maintenance in the Cloud
13. Implementing High Availability and Disaster Recovery in the Cloud

Class Materials

Each student will receive a comprehensive set of materials, including course notes and all the class examples.

Class Prerequisites

Experience in the following *is required* for this CompTIA class:

- End-user skills with Windows-based personal computers, including the ability to: browse and search for information on the Internet; start up, shut down, and log on to a computer and network; run programs; and move, copy, delete, and rename files in Windows Explorer.
- Basic knowledge of computing concepts, including the difference between hardware and software; the functions of software components, such as the operating system, applications, and file systems; and the function of a computer network.