



AZ-305T00: Designing Microsoft Azure Infrastructure Solutions

Course ID #: 7000-630-ZZ-Z

Hours: 28

Course Content

Course Description:

In this course, you will cover governance, compute, application architecture, storage, data integration, authentication, networks, business continuity, and migrations. The course combines lecture with case studies to demonstrate basic architect design principles.

Course Objectives:

- Design a governance solution.
- Design a compute solution.
- Design an application architecture.
- Design storage, non-relational and relational.
- Design data integration solutions.
- Design authentication, authorization, and identity solutions.
- Design network solutions.
- Design backup and disaster recovery solutions.
- Design monitoring solutions.
- Design migration solutions.

Prerequisites:

Before attending this course, students must have previous experience deploying or administering Azure resources and strong conceptual knowledge of:

- Azure Active Directory
- Azure compute technologies such as VMs, containers and serverless solutions
- Azure virtual networking to include load balancers
- Azure Storage technologies (unstructured and databases)
- General application design concepts such as messaging and high availability

Prerequisite courses (or equivalent knowledge and hands-on experience): This free online training will give you the experience you need to be successful in this course.

- AZ-104T00: Microsoft Azure Administrator



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Target Audience:

Successful students have experience and knowledge in IT operations, including networking, virtualization, identity, security, business continuity, disaster recovery, data platforms, and governance. Students also have experience designing and architecting solutions.

Topics:

Lesson 1: Design governance and compute solutions

In this module you will learn about governance and compute solutions.

- Design a governance solution
- Design a compute solution

Lab: Case studies

Lesson 2: Design storage and data integration solutions

In this module, you will learn about non-relational storage, relational storage, and data integration solutions.

- Design a non-relational storage solution
- Design a relational storage solution
- Design a data integration solution

Lab: Case studies

Lesson 3: Design app architecture, access, and monitoring solutions

In this module you will learn about app architecture, authentication and authorization, and logging and monitoring solutions.

- Design an app architecture solution
- Design authentication and authorization solutions
- Design a logging and monitoring solution

Lab: Case studies

Lesson 4: Design network, continuity, and migration solutions

In this module you will learn about networking, business continuity, and migration solutions.

- Design a network infrastructure solution
- Design a business continuity solution
- Design a migration solution

Lab: Case studies

Register for this class by visiting us at:
www.tcworkshop.com or calling us at 800-639-3535