COURSE OUTLINE

Microsoft
Solutions Partner

Microsoft Cloud

Training Services

Course Name: Designing Microsoft Azure Infrastructure Solutions
Course Code: MS-AZ305T00

DURATION	SKILL LEVEL	DELIVERY METHOD	TRAINING CREDITS	TECHNOLOGY
4 Day	Advanced	VIL/TILT	N/A	IT Architecture

Course Overview

This course teaches Azure Solution Architects how to design infrastructure solutions. Course topics 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.

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.

Pre-requisites

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

Course Objective

After completing this course, students will be able to:

- 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.

Course Content

Module 1: Design Governance and compute solutions

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

Lesson

- Design a governance solution
- Design a compute solution

Lab: Case studies

Module 2: Design storage and data integration solutions

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

Lesson

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

Lab : Case studies

Module 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.

Lesson

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

Lab : Case studies

Module 4: Design network, continuity and migration solutions

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

Lesson

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

Lab : Case studies

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