

**Designing Microsoft Azure Infrastructure Solutions (AZ-305)**

**Course Number:** MOC-AZ-305
**Duration:** 4 days

**Overview**

This in-person or online Microsoft course AZ-305, Designing Microsoft Azure Infrastructure Solutions, teaches attendees how to design Azure infrastructure solutions. This official Microsoft training covers governance, compute, application architecture, storage, data integration, authentication, networks, business continuity, and migrations. This course prepares students for the [AZ-305 exam](https://docs.microsoft.com/en-us/learn/certifications/exams/AZ-305) for which every attendee receives a voucher.

**Prerequisites**

Before attending this course, students must have previous experience deploying or administering Azure resources and 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

**Materials**

All Microsoft training students receive Microsoft official courseware.

For all Microsoft Official Courses taught in their entirety that have a corresponding certification exam, an exam voucher is included for each participant.

**Software Needed on Each Student PC**

Attendees will not need to install any software on their computer for this class. The class will be conducted in a remote environment that Accelebrate will provide; students will only need a local computer with a web browser and a stable Internet connection. Any recent version of Microsoft Edge, Mozilla Firefox, or Google Chrome will be fine.

**Objectives**

Attendees learn how to design:

* A governance solution
* A compute solution
* An application architecture
* Storage, non-relational and relational
* Data integration solutions
* Authentication, authorization, and identity solutions
* Network Solutions
* Backup and disaster recovery solutions
* Monitoring solutions
* Migration solutions

**Outline**

* Design governance
* Design an Azure compute solution
* Design a data storage solution for non-relational data
* Design a data storage solution for relational data
* Solution Architect
* Azure Cosmos DB
* Design data integration
* Design an application architecture
* Design authentication and authorization solutions
* Design a solution to log and monitor Azure resources
* Design network solutions
* Design a solution for backup and disaster recovery
* Design migrations
* Build great solutions with the Microsoft Azure Well-Architected Framework
* Accelerate cloud adoption with the Microsoft Cloud Adoption Framework for Azure