

# Designing Microsoft Azure Infrastructure Solutions

Course code: MOC AZ-305

Four-days instructor-led training teaches Azure Solution Architects how to design infrastructure solutions. Course topics cover governance, compute, application architecture, storage, data integration, authentication and identity, networks, high availability, business continuity, and migrations. The course combines lecture with case studies to demonstrate basic architect design principles.

## At course completion students will be able

- 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

Knowledge in extent of the courses which are listed in the bellow sections **Previous Courses** and **Related Courses**

Good understanding of TCP/IP and DNS technologies

## Course outline

- Design governance and compute solutions
- Design a governance solution
- Design a compute solution
- Design a non-relational storage solution
- Design a relational storage solution
- Design a data integration solution
- Design an app architecture solution
- Design authentication and authorization solutions
- Design a logging and monitoring solution
- Design a network infrastructure solution
- Design a business continuity solution
- Design a migration solution

## Preparation for Microsoft certification

Most Microsoft certification exams do not require students to attend an official MOC course in order to pass the exam.

This applies to all certifications except for MCM

Official Microsoft MOC courses as well as our own GOC courses are good ways of preparation for Microsoft certifications such as MCP, MTA, MCSA, MCSE or MCM

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This does not mean that official MOC courses would serve as the only necessary preparation. The primary goal of an MOC course is to provide for sufficient theoretical knowledge and practical experience to effectively work with the related product

MOC courses usually cover most of the topics required by their respective certification exams, but often do not give every topic the same amount of time and emphasis as may be required to completely pass the exam

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