

Designing Microsoft Azure Infrastructure Solutions

Duration	Delivery Method	Level
4 days	Online / Instructor Led	Advanced

Introduction

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.

Audience profile

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

Job role: Solution Architect

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 Objectives

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, authorisation, 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.

In this module you'll learn how to:

- Design a governance solution
- Design a compute solution

Module 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

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

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

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

Module 4: Design network, continuity, and migration solutions

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

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