

Design Microsoft Azure Infrastructure Solutions

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.

COURSE CODE

AZ-305T00

DELIVERY

Virtual, On-site, or Hybrid

DURATION

4 days

CERTIFICATION TRACK

Microsoft Certified: Azure Solutions Architect Expert

AUDIENCE PROFILE

Who This Program Is For

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.

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

- 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

PROGRAM SUMMARY

What This Course Covers

REGISTERED OFFICE

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DIRECT MESSAGING

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Serving enterprise clients across India and global markets

Official Microsoft Learn architecture course covering identity, governance, monitoring, business continuity, data, infrastructure, and migration design patterns for Azure.

Tailored Delivery Available

This outline can be adapted for virtual, on-site, or hybrid delivery, with emphasis adjusted for your team's platform priorities, role mix, and implementation goals.

COMPLETE MODULE SEQUENCE

Module Flow and Topic Coverage

The structure below presents the current delivery flow for this program, including the associated topic areas covered under each module.

1 AZ-305 Microsoft Azure Architect Design Prerequisites

Learn the basic Azure concepts you'll need to know as an Azure infrastructure architect. This path gives you the knowledge to be successful as you begin studying for AZ-305: Designing Microsoft Azure Infrastructure Solutions.

- Describe the core architectural components of Azure
- Describe Azure compute services
- Describe Azure storage services
- Describe Azure identity, access, and security
- Introduction to the Microsoft Cloud Adoption Framework
- Introduction to the Microsoft Azure Well-Architected Framework

2 AZ-305: Design identity, governance, and monitor solutions

AZ-305: Design identity, governance, and monitor solutions

- Design governance
- Design authentication and authorization solutions
- Design a solution to log and monitor Azure resources

3 AZ-305: Design business continuity solutions

AZ-305: Design business continuity solutions

- Describe high availability and disaster recovery strategies
- Design a solution for backup and disaster recovery

4 AZ-305: Design data storage solutions

AZ-305: Design data storage solutions

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

5 AZ-305: Design infrastructure solutions

AZ-305: Design infrastructure solutions

- Design an Azure compute solution
- Design an application architecture
- Design network solutions
- Design migrations

6 Build great solutions with the Microsoft Azure Well-Architected Framework

Learn how to design and build secure, scalable, high-performing solutions in Azure using the pillars of the Microsoft Azure Well-Architected Framework.

- Introduction to the Microsoft Azure Well-Architected Framework
- Microsoft Azure Well-Architected Framework - Reliability
- Microsoft Azure Well-Architected Framework - Security
- Microsoft Azure Well-Architected Framework - Cost Optimization
- Microsoft Azure Well-Architected Framework - Operational Excellence
- Microsoft Azure Well-Architected Framework - Performance Efficiency