

PROFESSIONAL COURSE OUTLINE

Microsoft

Azure Solutions Architect Expert

AZ-305

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.

Cloud

Advanced

Azure

PROGRAM CODE

AZ-305

DELIVERY

Virtual, On-site, or Hybrid

DURATION

4 days

CERTIFICATION

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

As a Microsoft Azure solutions architect, you have subject matter expertise in designing cloud and hybrid solutions that run on Azure, including: Compute Network Storage Monitoring Security Your responsibilities for this role include advising stakeholders and translating business requirements into designs for Azure solutions that align with the Azure Well-Architected Framework and Cloud Adoption Framework for Azure.

TAILORED DELIVERY

Adapt the program around your team.

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.

Enterprise-ready delivery format

VNode ITeS can align labs, examples, delivery pace, and assessment checkpoints to the required audience profile while preserving the official program sequence where applicable.



Plan the next session

We can tune this outline around your delivery goals and team mix.

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COMPLETE MODULE SEQUENCE

Module Flow and Topic Coverage

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

1 **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 **MODULE 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 **MODULE 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 **MODULE 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



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MODULE 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

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MODULE 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

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