

MICROSOFT OFFICIAL CURRICULUM

Microsoft

Design Microsoft Azure Infrastructure Solutions

AZ-305T00

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

Cloud

Advanced

Azure

DURATION

4 days

LEVEL

Advanced

FORMAT

Virtual, On-site, or Hybrid

CERTIFICATION

Microsoft Certified: Azure Solutions Architect Expert

AUDIENCE PROFILE

Built for these roles

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

OVERVIEW

Executive overview

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.

PROGRAM OUTCOMES

Capabilities your teams will gain

- Design Azure governance, identity, and monitoring solutions
- Architect business continuity and disaster recovery patterns
- Design data, infrastructure, and application architecture decisions
- Apply architect-level trade-offs across resilience, security, and cost

TRAINING PROVIDER

VNode ITeS

MICROSOFT CERTIFIED TRAINER

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ENTERPRISE CUSTOMIZATION

Enterprise customization

Tailor this program to your organization's priorities: Equips architecture teams to design Azure solutions with stronger trade-off analysis across governance, resilience, security, performance, and cost.

Customization options

- Map architecture labs to your target reference architecture
- Add well-architected review and modernization exercises
- Extend with migration and landing zone design sessions

CURRICULUM

Curriculum roadmap

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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

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MODULE 2

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

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

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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

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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

PRIVATE DELIVERY

Plan a private cohort for your team





Scope delivery format, role mix, and rollout timeline with our solutions team.

[Plan Private Delivery](#)

[Book advisory call](#)

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