Training: Microsoft

AZ-305T00: Design Microsoft Azure Infrastructure Solutions

Microsoft Partner

TRANING TERMS

2026-11-16 | 4 days | Virtual Classroom

TRAINING GOALS:

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, virtualization, identity, security, business continuity, disaster recovery, data platforms, and governance. Students also have experience designing and architecting solutions.

Skills earned upon completion:
- Design infrastructure solutions with Azure

CONSPECT:

- Microsoft Azure Architect Design Prerequisites
  - Module 1: Describe the core architectural components of Azure
  - Module 2: Describe Azure compute services
  - Module 3: Describe Azure storage services
  - Module 4: Describe Azure identity, access, and security
  - Module 5: Introduction to the Microsoft Cloud Adoption Framework
  - Module 6: Introduction to the Microsoft Azure Well-Architected Framework
- Design identity, governance, and monitor solutions
  - Module 1: Design governance
  - Module 2: Design authentication and authorization solutions
  - Module 3: Design a solution to log and monitor Azure resources

Compendium Centrum Edukacyjne Spółka z o.o.
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- Design business continuity solutions
  - Module 1: Describe high availability and disaster recovery strategies
  - Module 2: Design a solution for backup and disaster recovery
- Design data storage solutions
  - Module 1: Design a data storage solution for non-relational data
  - Module 2: Design a data storage solution for relational data
  - Module 3: Design data integration
- Design infrastructure solutions
  - Module 1: Design an Azure compute solution
  - Module 2: Design an application architecture
  - Module 3: Design network solutions
  - Module 4: Design migrations
- Build great solutions with the Microsoft Azure Well-Architected Framework
  - Module 1: Introduction to the Microsoft Azure Well-Architected Framework
  - Module 2: Microsoft Azure Well-Architected Framework - Reliability
  - Module 3: Microsoft Azure Well-Architected Framework - Security
  - Module 4: Microsoft Azure Well-Architected Framework - Cost Optimization
  - Module 5: Microsoft Azure Well-Architected Framework - Operational Excellence
  - Module 6: Microsoft Azure Well-Architected Framework - Performance Efficiency

REQUIREMENTS:

Previous experience deploying or administering Azure resources and strong conceptual knowledge of: Azure compute technologies (VMs, containers, serverless), Azure virtual networking (load balancers), Azure Storage technologies (unstructured and databases), general application design concepts (messaging, high availability).

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by Microsoft (course completion). This course will help prepare you for the **Microsoft Certified: Azure Solutions Architect Expert** certification exam (Exam AZ-305), which is available through the Pearson VUE test centers.

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TRAINER:

Microsoft Certified Trainer (MCT)

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