Sela.

AZ305

Designing Microsoft Azure Infrastructure Solutions

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AZ305 - Version: 1

🕐 4 days Course

Description:

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.

Intended audience:

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.

Prerequisites:

Previous experience deploying or administering Azure resources and 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

Objectives:

Design a governance solution.

Design a compute solution.

Design an application architecture.

Design storage, non-relational and relational.

Design data integration solutions.

Design authentication, authorization, and identity solutions.

Design network solutions.

Design backup and disaster recovery solutions.

Design monitoring solutions.

Design migration solutions.

Topics:

Module 1: Design governance and compute solutions

- Design a governance solution
- Design a compute solution

Module 2: Design 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

- Design an app architecture solution
- Design authentication and authorization solutions

• Design a logging and monitoring solution

Module 4: Design network, continuity, and migration solutions

• Design a network infrastructure solution
• Design a business continuity solution
• Design a migration solution