Designing Microsoft Azure Infrastructure Solutions

CODICE	AZ-305T00
DURATA	4 gg
PREZZO	1.590,00 €
EXAM	

DESCRIZIONE

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.

OBIETTIVI RAGGIUNTI

- 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 high availability solutions.
- Design backup and disaster recovery solutions.
- Design monitoring solutions.
- Design migration solutions

TARGET

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.

PREREQUISTI

Before attending this course, students must have 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

CONTENUTI

Microsoft Azure Architect Design Prerequisites

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

Design identity, governance, and monitor solutions

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

Design business continuity solutions

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

Design data storage solutions

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

Design infrastructure solutions

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

Build great solutions with the Microsoft Azure Well-Architected Framework

- Introduction to the Microsoft Azure Well-Architected Framework

- Microsoft Azure Well-Architected Framework - Cost Optimization
- Microsoft Azure Well-Architected Framework - Operational excellence
- Microsoft Azure Well-Architected Framework - Performance efficiency
- Microsoft Azure Well-Architected Framework - Reliability
- Microsoft Azure Well-Architected Framework - Security