Designing Microsoft Azure Infrastructure Solutions

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.

Classroom Registration Price (CHF)
3200
Virtual Classroom Registration Price (CHF)
3000
Course Content
Module 1: Design compute and application solutions

- Design for governance
- Design for compute solutions
- Design for application architectures

Module 2: Design storage solutions

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

Module 3: Design networking and access solutions

- Design authentication and authorization solutions
- Design networking solutions

Module 4: Design business continuity solutions

- Design for backup and disaster recovery
- Design monitoring solutions
- Design for migrations

Lab / Exercises
Microsoft Official Labs

- Lab 1: Design a governance solution
- Lab 2: Design a compute solution
- Lab 3: Design an application architecture
- Lab 4: Design non-relational storage solutions
- Lab 5: Design relational storage solutions
- Lab 6: Design a data integration solution
- Lab 7: Design authentication and authorization solutions
- Lab 8: Design network solutions
- Lab 9: Design backup and disaster recovery
- Lab 10: Design monitoring solutions

Documentation

- Access to Microsoft Learn (online learning content)

Exam

- This course prepares you to the AZ-305 Designing Microsoft Azure Infrastructure Solutions exam. If you wish to take this exam, please contact our secretariat who will let you know the cost of the exam and will take care of all the necessary administrative procedures for you.

Participant profiles

- 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

- 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
- Have the equivalent knowledge or followed the course: Microsoft Azure Administrator

Objectives

- Designing a governance solution
- Designing a compute solution
- Designing an application architecture
- Designing relational and non-relational storage
- Designing data integration solutions
- Designing authentication, authorization, and identity solutions
- Designing network solutions
- Designing high availability solutions
- Designing backup and recovery solutions
- Designing monitoring solutions
- Designing migration solutions

Niveau
Avancé
Duration (in Days)
4
Reference
AZ-305T00