

# AZ-305: Designing Microsoft Azure Infrastructure Solutions

- **Formato do curso:** Presencial e Live Training
- **Localidade:** Live Training
- **Data:** 24 Out. 2022 a 27 Out. 2022
- **Preço:** 1580€
- **Horário:** Laboral - das 9h00 às 17h00
- **Nível:** Avançado
- **Duração:** 28 horas

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.

## Destinatários

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.

## Pré-requisitos

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

# Objetivos

- Knowledge to be successful as you begin studying for AZ-305: Designing Microsoft Azure Infrastructure Solutions
  - Prepare for Exam AZ-305: Designing Microsoft Azure Infrastructure Solutions
  - Design identity, governance, and monitor solutions including authentication
  - Design business continuity solutions including high availability, backup, and disaster recovery
  - Design data storage solutions including non-relational storage, relational storage, and data integration
  - Design Infrastructure Solutions including compute, applications, networking and migrations
  - Design and build secure, scalable, high-performing solutions in Azure using the pillars of the Microsoft Azure Well-Architected Framework
  - Create a cloud strategy, define a cloud adoption plan, prepare cloud environment with proper governance, and implement cloud operations in alignment with organizational needs
- 

# Programa

## **Microsoft Azure Architect Design Prerequisites**

- Describe core Azure architectural components
- Build a cloud governance strategy on Azure
- Microsoft Cloud Adoption Framework for Azure
- Introduction to the Microsoft Azure Well-Architected Framework
- Secure access to your applications by using Azure identity services
- Explore Azure compute services
- Discover Azure message queues
- Explore Azure networking services
- Explore Azure Storage services
- Explore Azure database and analytics services

## **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**

- Design for high availability
- 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

## **Accelerate cloud adoption with the Microsoft Cloud Adoption Framework for Azure**

- Getting started with the Microsoft Cloud Adoption Framework for Azure
- Prepare for successful cloud adoption with a well-defined strategy
- Prepare for cloud adoption with a data-driven plan
- Choose the best Azure landing zone to support your requirements for cloud operations
- Migrate to Azure through repeatable processes and common tools
- Address tangible risks with the Govern methodology of the Cloud Adoption Framework for Azure
- Ensure stable operations and optimization across all supported workloads deployed to the cloud
- Innovate applications by using Azure cloud technologies
- Prepare for cloud security by using the Microsoft Cloud Adoption Framework for Azure

---

Ao concluir com aproveitamento esta formação, cumprindo a percentagem mínima de 70% de assiduidade e após avaliação ao curso, o formando poderá receber o seu Certificado Microsoft de conclusão e o badge digital para partilhar com a sua rede profissional online.