# Designing Microsoft Azure Infrastructure Solutions – Intensive Training («AZ305»)

This course teaches Azure Solution Architects how to design infrastructure solutions: learn everything about governance, compute, application architecture, storage, data integration, authentication, networks, business continuity, and migrations.

**Duration:** 4 days
**Price:** 3'400.–
**Course documents:** Official Microsoft Courseware and Microsoft Learn
**Vendor code:** AZ-305

## Content

The content of this intensive training is derived from the exam «AZ-305: Designing Microsoft Azure Infrastructure Solutions». Start preparing for the course on Microsoft Learn now. During the intensive training days with the instructor you will work with the official Microsoft course material (more information under «Methodology & didactics»).

### 1 Microsoft Azure Architect Design Prerequisites
Learn the basic Azure concepts you'll need to know as an Azure infrastructure architect. This module gives you the knowledge to be successful as you begin studying for «AZ-305: Designing Microsoft Azure Infrastructure Solutions».

### 2 Design identity, governance, and monitor solutions
Design identity, governance, and monitor solutions including authentication.

### 3 Design business continuity solutions
Design business continuity solutions including high availability, backup, and disaster recovery.

### 4 Design data storage solutions
Design data storage solutions including non-relational storage, relational storage, and data integration.

### 5 Design infrastructure solutions
Design Infrastructure Solutions including compute, applications, networking and migrations.

### 6 Build great solutions with the «Microsoft Azure Well-Architected Framework»
Learn how to design and build secure, scalable, high-performing solutions in Azure using the pillars of the «Microsoft Azure Well-Architected Framework».

### 7 Accelerate cloud adoption with the «Microsoft Cloud Adoption Framework for Azure»
Do you need a clear path forward for your cloud journey? This learning path includes best practice guidance to help you create a cloud strategy, define a cloud adoption plan, prepare your cloud environment with proper governance, and implement cloud operations in alignment with your organizational needs. Cloud architects and IT professionals will learn and engage with the proven best practices, tools, and documentation in the Cloud Adoption Framework for Azure to build the technical knowledge needed to help your organization successfully adopt the cloud and meet business goals.

## Key Learnings

- Designing identity, governance, and monitoring solutions
- Designing data storage solutions
- Designing business continuity solutions
- Designing infrastructure solutions

## Methodology & didactics

The course combines lecture with case studies to demonstrate basic architect design principles.

## Target 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.

## Requirements

Before attending this course, students must have previous experience deploying or administering Azure resources and strong conceptual knowledge of:

- 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

We also recommend that you have completed the following courses:

- Microsoft Azure Administrator – Intensive Training («AZ104»)

## Additional information

The workshop DP-3001: Migrate SQL Server Workloads to Azure SQL Database is integrated into this course.

## Further courses

- Planning and Administering Microsoft Azure for SAP Workloads – Intensive Training («AZ120»)

## Any questions?

We are happy to advise you on +41 44 447 21 21 or info@digicomp.ch. You can find detailed information about dates on www.digicomp.ch/courses-microsoft-technology/microsoft-azure/microsoft-certified-azure-solutions-architect-expert/course-designing-microsoft-azure-infrastructure-solutions-intensive-training-az-305