

# Designing Microsoft Azure Infrastructure Solutions

**Authorized Microsoft** Designing Microsoft Azure Infrastructure Solutions AZ-305 Distance Learning training.

## Target audience:

- Administrator
- Architect
- Engineer
- Specialist



## Purpose of the training

The course teaches Azure platform solution architects how to design infrastructure solutions. The subject of the course includes management, calculations, application architecture, mass storage, data integration, authentication, networks, business continuity and migrations. The course combines lecture with case studies in order to demonstrate basic rules of architect's design.



## Benefits of completing the training

Architecting solutions for management  
Designing calculation solutions  
Designing application architecture  
Designing non-relative and iterative databases  
Designing solutions for data integration  
Designing solutions in the area of authentication, authorisation and identity  
Designing network solutions  
Designing high availability solutions

Designing solutions for creating back-ups and Disaster Recovery.  
Designing solutions to monitor  
Designing migration solutions



### Examination method

The exam is on-line. You can enroll at: <https://home.pearsonvue.com/Clients/Microsoft.aspx>



### Exam description

After the AZ-305 course, you can take Microsoft certification exams:an Authorized Test Center,online being monitored by an offsite proctor. Details on the website:<https://docs.microsoft.com/en-us/learn/certifications/exams/az-305>



### Expected Listener Preparation

Before attending the course participants must have previous experience in implementing Azure platform resources or administering them or concept knowledge in the area of:

- Azure Active Directory
- Azure platform calculation technologies, such as virtual machines, containers and serverless solutions
- Azure platform virtual network with the modules of balancing overload
- Azure Storage technologies (non-structural and database)
- General concepts of designing applications, such as sending a message or high-availability



### Training Language

- **Training:** English
- **Materials:** English

### Training Includes

\* electronic handbook available at:

<https://learn.microsoft.com/pl-pl/training/>

\* access to Altkom Akademia student portal

**Training method:**

- theory
- demos
- individual laboratories
- 70% theory
- 30% practice

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## Training agenda

1: Designing calculation and applications solutions

- Designing for management
- Designing calculation solutions
- Designing for application architectures

2: Designing solutions for data storage

- Designing non-relative mass storage solutions.
- Designing relative mass storage solutions.
- Designing solutions for data integration.

3: Designing network and access solutions

- Designing authentication and authorisation solutions
- Designing network solutions

4: Designing solutions providing business continuity

- Designing for creating back-ups and Disaster Recovery
- Designing solutions for monitoring
- Designing for migration