Designing Microsoft Azure Infrastructure Solutions – Flexible Training («AZ305V»)

This AZ-305 training consists of a maximum of 2 half-day sessions per week for a maximum of 4 weeks with integrated learning support. Click «Timetable» for the session plan at the bottom of the page where you select your desired date.

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

Content

The content of this flexible training is derived from the exam «AZ-305: Designing Microsoft Azure Infrastructure Solutions (beta)». Start preparing for the course on Microsoft Learn now and use the Learning Support if you have any questions. During the 3h instructor sessions you will work with the official Microsoft course material (more information under «Methodology & didactics»).

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.

Course outline:

Module 1: Design compute and application solutions
In this module you will learn about governance, compute, and application architectures.
Lessons:

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

Lab: Case studies

Module 2: Design storage solutions
In this module, you will learn about non-relational storage, relational storage, and data integration solutions.
Lessons:

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

Lab: Case studies

Module 3: Design networking and access solutions
In this module you will learn about authentication and authorization, identity and access for applications, and networking solutions.
Lessons:

- Design authentication and authorization solutions
- Design networking solutions

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Module 4: Design business continuity solutions
Lessons:

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

Lab: Case studies

Key Learnings

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

Methodology & didactics

Digicomp Flexible Learning Approach:

- **Training modality:** During a period of 4 weeks, 6-8 half-day (3h each) virtual live sessions with our Azure MCT experts will take place. The sessions are already planned and can be easily combined with the daily work routine. Between the sessions there is enough time to process the learned knowledge.
- **Detailed Session Plan:** Click «**Timetable**» at the bottom of the page where you select your desired date.

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 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

We also recommend that you have completed the following courses:

- Microsoft Azure Administrator – Flexible Training («AZ104V»)

Further courses

- Planning and Administering Microsoft Azure for SAP Workloads – Flexible Training («AZ120V»)

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-flexible-training-az-305