

Designing Microsoft Azure Infrastructure Solutions (AZ-305T00)

Duration: 4 days

Audience: Professionnel TI

Who is this training for?

Participants who successfully complete this course have experience and knowledge in IT operations, including networking, virtualization, identity, security, business continuity, disaster recovery, data platforms, and governance.

The participants also have experience in designing and architecting solutions.

Training objectives

- Design governance solution • Design IT solution
- Design application architecture
- Design non-relational and relational storage solutions
- Design data integration solutions • Design authentication, authorization, and identity solutions
- Design network solutions
- Design backup and disaster recovery solutions
- Design monitoring solutions • Design migration

Summary

This course teaches how to design complete Azure infrastructure solutions. You'll learn governance, compute, application architecture, storage, data integration, authentication, networking, business continuity, and migrations. The course combines lectures and case studies to demonstrate the basic principles of architectural design.

Course outline

Module 1: Designing Governance and Compute Solutions

This module explores governance and compute solutions.

Lessons

- Designing a Governance Solution
- Designing a Compute Solution Lab:

Case Studies After completing this module, participants will be able to:

- Design a Governance Solution •
- Design a Compute Solution

Module 2: Design Data Storage and Integration Solutions

This module explores 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 After completing this module, participants will be able to:

- Design a Non-Relational Storage Solution
- Design a Relational Storage Solution
- Design a Data Integration Solution

Module 3: Design Application Architecture, Access, and Monitoring Solutions

This Module Discusses application architecture, authentication and authorization, and logging and monitoring solutions.

Lessons

- Design an Application Architecture Solution
- Design Authentication and Authorization Solutions
- Design a Logging and Monitoring Solution Lab:

Case Studies After completing this module, participants will be able to:

- Design an Application Architecture Solution
- Design Authentication and Authorization Solutions
- Design a Logging and Monitoring Solution

Module 4: Design Network Solutions, Continuity and Migration

This module explores networking, business continuity, and migration solutions.

Lessons

- Design a Network Infrastructure Solution
- Design a Business Continuity Solution
- Design a Migration Solution Lab:

Case Studies After completing this module, participants will be able to:

- Design a Network Infrastructure Solution
- Design a Business Continuity Solution
- Design a Migration Solution

Prerequisites

Basic computer literacy: Understand essential cloud concepts.