

Updated 03/06/2024

Sign up

AZ-700 Certification Training

ALL-IN-ONE: EXAMINATION INCLUDED IN PRICE

3 days (21 hours)

Presentation

With our AZ-700 certification training, immerse yourself in the world of Azure networks and develop advanced skills in designing, implementing, managing and securing network solutions.

AZ-700 certification is designed for IT professionals wishing to master advanced networking concepts on the Microsoft Azure platform. This training course prepares you effectively for the "[Microsoft Certified: Azure Network Engineer Associate](#)" certification exam.

The exam covers topics such as creating and managing virtual networks, implementing hybrid network solutions, using [Azure ExpressRoute](#), and securing and monitoring Azure networks. A wide range of topics will be covered to ensure thorough and comprehensive preparation.

As with all our training courses, this one will introduce you to the latest version of Microsoft Azure.

Objectives

- Master the creation and management of virtual networks in Azure
- Understanding and implementing hybrid network solutions
- Configuring and managing Azure ExpressRoute for dedicated connections
- Use load balancing and high availability solutions
- Ensure the security of Azure networks with tools such as Microsoft Defender and Azure DDoS Protection
- Monitor and diagnose Azure networks to optimize performance and security
- Effective preparation for the Microsoft AZ-700 exam

Target audience

- Azure Administrator
- Azure Developer
- Safety professionals
- Cloud engineers

Prerequisites

- Basic experience in network management and network security
- Previous knowledge of cloud computing (optional)
- Have an Azure account for practical work

INTRODUCTION TO AZURE AND AZ 700

- Overview of the Azure platform and its main components
- Introduction to networks in Azure
- Overview of AZ 700 course and certification objectives
- The importance of security and compliance in Azure
- Learning resources and official documentation

UNDERSTANDING AZURE VIRTUAL NETWORKS

- Creating and managing virtual networks
- Configuring public and private IP services
- Implementing DNS name resolution in Azure
- Understanding and configuring routing and NAT on Azure
- Practical lab: Setting up a virtual network

HYBRID NETWORK DESIGN AND IMPLEMENTATION

- Basic principles of hybrid networks
- Establishing VPN connections (site-to-site and point-to-site)
- Configuring and managing Azure Virtual WAN
- Securing hybrid connections
- Practical lab: Creating a site-to-site VPN connection

AZURE EXPRESSROUTE

- Understanding how ExpressRoute works
- Configuration of various ExpressRoute scenarios, including Global Reach and FastPath
- Diagnosing and solving connection problems
- Practical lab: Configuring ExpressRoute

LOAD BALANCING AND HIGH AVAILABILITY

- Using Azure Load Balancer and Azure Application Gateway
- Configuring Traffic Manager profiles
- Implementing solutions for HTTP(S) and non-HTTP(S) traffic
- Practical lab: Setting up an Application Gateway

NETWORK SECURITY IN AZURE

- Using Microsoft Defender for the cloud
- Configuring Azure DDoS Protection and network security groups
- Implementing and managing Azure firewall and WAF
- Practical lab: Configuring network security groups and rules

NETWORK MONITORING AND DIAGNOSTICS

- Configuring Azure Monitor and Azure Network Watcher
- Using Traffic Analytics and NSG flow logs
- Practical lab: Monitoring and diagnosing a network scenario

PRIVATE ACCESS TO AZURE SERVICES

- Configuring service endpoints and Private Link
- Integration of private endpoints with DNS
- Practical lab: Configuring Private Link for Azure Storage

REVISION AND PREPARATION FOR THE AZ 700 EXAM

- Review of key concepts and best practices
- Examination tips and effective study methods
- Examination simulation and discussion of answers
- Additional resources for self-study
- Q&A to resolve any remaining doubts

Companies concerned

This training course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is confirmed, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives with regard to the training to come, within the limits imposed by the format selected. This

The questionnaire also enables us to anticipate any connection or internal security problems (intra-company or virtual classroom) that could be problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.