Think'Up Labs

Advanced Microsoft Azure Cloud Training

DETAILS

- Audience: system administrators or developers

- Duration : 4 days

- Location: on site or remotely

- Attendees : 1 to 8

- Prerequisites :
  - Basic knowledge of Azure
  - Network architecture
  - System administration

KEY OBJECTIVES

- Master the fundamentals of Azure

- Know how to deploy, secure and operate your applications

- Understand cloud native architecture solutions

TEACHER

Brian AMEDRO, PhD.
Expert Cloud Computing and Big Data

ABOUT THIS TRAINING

This comprehensive training allows you to acquire mastery of the main functionalities of the Microsoft Azure Cloud by preparing for the AZ-104 certification. It allows you to learn how to build, secure and operate a complete platform, through the implementation of infrastructure components and services managed by Microsoft.

Particularly suitable for teams of system administrators with initial experience on Azure, or already operating other Clouds such as AWS or GCP, this training is punctuated by numerous practical exercises.

TRAINING CONTENT

Identity, access and governance management
- Identity in Azure Active Directory deepened (hybrid identity, collaboration with guest accounts)
- Service Identity (MSI)
- Understand and implement Azure Policy
- Subscription and resource governance mechanisms

Cloud infrastructure configuration: security, reliability, performance
- Infrastructure Automation (IaC)
- Advanced storage management
- Optimization of the availability and resilience of virtual machines
- Build a complex network architecture

Implementation of « Cloud Native » solutions
- Implementation of container-based solutions with ACR, ACI and Azure Container Apps
- Introduction to Azure Kubernetes Service
- Databases

Monitoring and security of operations
- Use Log Analytics
- Implementation of the Microsoft Sentinel solution
- Vulnerability management with Azure Defender

Security and protection of data and systems
- Implementation and use of Azure Key Vault
- Security of storage systems
- Advanced network security
- Security of databases and their data
- Configuration and securing of backup systems

RELATED TRAINING

- AZ-104 certification preparation day (1 day)
- Kubernetes with Azure (2 days)