Deploy and configure Azure Monitor (AZ-1004)

Description

Discover the Fundamentals of Monitoring with Azure Monitor

Learn to master the implementation of Azure Monitor with our training "Deploy and Configure Azure Monitor (AZ-1004)." This comprehensive course guides you through configuring, analyzing, and interpreting telemetry data from your Azure environments. With practical modules and guided exercises, you will be able to optimize the monitoring of your virtual machines, web applications, networks, and Azure infrastructure services.

A Comprehensive and Practical Training for IT Professionals

Through this course, develop concrete skills with tools such as Log Analytics, Application Insights, and Network Watcher. You will also learn to configure data collection rules and Azure Monitor alerts. Join this structured program and expand your knowledge to excel in managing cloud infrastructures.

Course Content
Module 1: Create and Configure a Log Analytics Workspace

- Create a Log Analytics workspace
- Configure access to workspaces
- Set up data retention
- Implement health state alerts

Module 2: Configure Application Monitoring

- Discover Application Insights
- Configure Application Insights sampling
- Set up diagnostic settings and resource logs
- Implement Azure SQL Insights

Module 3: Configure Virtual Machine Monitoring

- Deploy the Azure Monitor agent on IaaS virtual machines
- Monitor performance with virtual machine insights
- Configure data collection rules

Module 4: Configure Monitoring for Virtual Networks

- Use the Azure Network Watcher connection monitor
- Set up flow logs and NSG diagnostics
- Configure packet capture to monitor connectivity

Module 5: Configure Alerts and Responses

- Set up Azure Monitor alerts
- Manage action groups and alert rules
- Configure processing rules and change analysis

Module 6: Guided Project - Deploy and Configure Azure Monitor

- Prepare your Azure environment
- Deploy Log Analytics
- Monitor web applications
- Set up monitoring for compute services
- Configure alerts

Lab / Exercises

- This course provides you with exclusive access to the official Microsoft lab, enabling you to practice your skills in a professional environment.

Documentation

- Access to Microsoft Learn, Microsoft's online learning platform, offering interactive resources and educational content to deepen your knowledge and develop your technical skills.

Participant profiles

- System or network administrators
- Cloud engineers
- Developers looking to monitor their applications on Azure
- IT managers aiming to optimize their cloud environments
- Cloud architects

Prerequisites

- Understand the basics of the Azure environment
- Comprehend the fundamental principles of Log Analytics workspaces
- Have experience in managing cloud resources

Objectives

- Create and configure a Log Analytics workspace
- Set up application performance monitoring
- Deploy and configure virtual machine monitoring
- Implement virtual network monitoring

- Configure and manage Azure Monitor alerts
- Deploy proactive monitoring for various workloads
- Analyze telemetry data to improve performance

Description
Deploy and configure Azure Monitor (AZ-1004)
Niveau
Intermédiaire
Classroom Registration Price (CHF)
900
Virtual Classroom Registration Price (CHF)
850
Duration (in Days)
1
Reference
AZ-1004