

KOENIG SOLUTIONS · COURSE OUTLINE

AZ-1004: Deploy and Configure Azure Monitor

Learn to deploy and configure Azure Monitor to collect telemetry, monitor applications, VMs and networks, and manage alerts.

1 Day

8 HOURS

6

MODULES

29

TOPICS

COURSE OVERVIEW

The AZ-1004: Deploy and Configure Azure Monitor certification exam doesn't exist as of my knowledge cutoff in 2023. However, Azure Monitor itself is a comprehensive solution within Microsoft Azure for collecting, analyzing, and acting on Telemetry from Cloud and on-premises environments. It helps to maximize the Performance and availability of applications and proactively identify problems in seconds. Industries use Azure Monitor to gain Real-time insights into their operations, understand Dependencies across resources, and maintain control over their infrastructures. By harnessing this data, companies can Troubleshoot issues, understand Customer behavior, Track billing, and create Dashboards for reporting. Azure Monitor is integral for maintaining the Health and optimization of cloud-based applications and Systems.

WHO THIS COURSE IS FOR

IT professionals involved in cloud operations

System administrators seeking Azure monitoring skills

DevOps engineers focusing on Azure infrastructure

Azure administrators looking to optimize resources

Technical staff responsible for Azure performance management

LEARNING OBJECTIVES

- Create and configure a Log Analytics workspace
- Configure data retention and workspace health alerts
- Configure change analysis for web apps and App Service plans
- Configure monitoring for applications with Application Insights
- Configure diagnostic logging and anomaly detection notifications
- Deploy Azure Monitor Agent and configure data collection rules for VMs
- Configure network monitoring with Connection Monitor and flow logs
- Create alert rules, action groups and automated alert responses

6 Modules, 29 Topics

01

Create and Configure a Log Analytics Workspace

TOPICS

- Create a Log Analytics workspace
- Configure access to a Log Analytics workspace
- Configure data retention
- Configure Log Analytics health status alert
- **Supporting module(s):** Create and configure a Log Analytics workspace

02

Configure Change Analysis

TOPICS

- Enable Azure Monitor Change Analysis for one of two (pre-deployed) web apps and its App Service plan
- Create a custom Change Analysis filter and pin it to the default dashboard in the Azure portal
- **Supporting module(s):** Configure monitoring for applications

03

Configure Monitoring for Applications

TOPICS

- Create an Application Insights resource
- Configure data sampling rate
- Set daily telemetry volume cap
- Configure anomaly detection email notifications
- Configure SQL Insights
- Configure diagnostic logging
- **Supporting module(s):** Configure monitoring for applications

04

Configure Monitoring for Virtual Machines (VMs)

TOPICS

- Deploy Azure Monitor Agent to a virtual machine
- Configure data collection rules, including Windows event logs, syslog, IIS logs, and application-specific logs
- Enable VM Insights
- **Supporting module(s):** Configure monitoring for virtual machines
- **Supporting module(s):** Configure monitoring for virtual networks

05

Configure Monitoring for Virtual Networks

TOPICS

- Create and configure an Azure Network Watcher Connection Monitor
- Create and configure a flow log
- Enable Traffic Analytics
- Configure access to flow logs
- **Supporting module(s):** Configure monitoring for virtual networks

06

Configure Alerts and Responses

TOPICS

- Create an action group
- Create an alert rule
- Create an alert processing rule to suppress notifications during a specific time window
- Configure automated responses to alerts, including notifications and runbooks

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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