

## AZ-1004 Deploy and Configure Azure Monitor

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### Course Summary

#### Description

In this learning path, you practice implementing Azure Monitor to collect, analyze and act on monitoring telemetry from Azure environments. You learn to configure and interpret monitoring for virtual machines, networking, and web applications.

#### Topics

- Create and Configure a Log Analytics workspace
- Configure monitoring for applications
- Configure monitoring for virtual machines
- Configure monitoring for virtual networks
- Configure alerts and responses
- Guided Project – Deploy and Configure Azure Monitor

#### Audience

This class is designed for Azure and Microsoft Professionals.

#### Prerequisites

Before attending this course, students should understand the basic functionality of Azure Monitor and Log Analytics workspaces.

#### Duration

One day

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### Course Summary

#### *I. Create and configure a Log Analytics workspace*

- A. Introduction
- B. Create a Log Analytics Workspace
- C. Configure access to Log Analytics workspaces
- D. Configure Log Analytics data retention
- E. Configure Log Analytics health status alerts
- F. Knowledge check
- G. Summary

#### *II. Configure monitoring for applications*

- A. Introduction
- B. Understand Application Insights
- C. Application Insights sampling
- D. Diagnostic settings and resource logs
- E. Azure SQL Insights
- F. Knowledge check
- G. Summary

#### *III. Configure monitoring for virtual machines*

- A. Introduction
- B. Deploy Azure Monitor Agent to IaaS Virtual Machines
- C. Monitor Performance with VM insights
- D. Configure data collection rules for IaaS VM logs
- E. Knowledge check
- F. Summary

#### *IV. Configure monitoring for virtual networks*

- A. Introduction
- B. Topology
- C. Connection Monitor
- D. IP flow verify and NSG diagnostics
- E. Packet capture
- F. Knowledge check
- G. Summary

#### *V. Configure alerts and responses*

- A. Introduction
- B. Azure Monitor alerts
- C. Action groups
- D. Alert rules
- E. Alert processing rules
- F. Azure Monitor change analysis
- G. Knowledge check
- H. Summary

#### *VI. Guided Project – Deploy and Configure Azure Monitor*

- A. Introduction
- B. Prepare your Azure environment
- C. Deploy Log Analytics
- D. Monitor Web Apps
- E. Configure Monitoring for Compute Services
- F. Configure Alerts
- G. Knowledge check
- H. Summary