

COURSE OUTLINE



Course Name: Deploy And Configure Azure Monitor

Course Code: MS-AZ1004

DELIVERY

1 Day

SKILL LEVEL

Intermediate

DELIVERY METHOD

In Class/VILT

TRAINING CREDITS

N/A

TECHNOLOGY

Microsoft

Course Overview

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.

Pre-requisites

Before attending this course, delegates must know:

- Understand the basic functionality of Azure Monitor and Log Analytics workspaces

Course content

Module 1: Create and configure a Log Analytics workspace

Understand how to create and configure a Log Analytics workspace and how to configure data retention and health status alerts for the workspace

Lesson 1: Introduction

Lesson 2: Create a Log Analytics workspace

Lesson 3: Configure access to Log Analytics workspaces

Lesson 4: Configure Log Analytics data retention

Lesson 5: Configure Log Analytics health status alerts

Lesson 6: Knowledge check

Module 2: Configure monitoring for application

Learn how to create a private registry service for building, storing and managing container images and related artifacts.

Lesson 1: Introduction

Lesson 2: Understand Application Insights

Lesson 3: Application Insights sampling

Lesson 4: Diagnostic settings and resource logs

Lesson 5: Azure SQL Insights

Lesson 6: Knowledge check

Module 3: Configure monitoring for virtual machines

Understand at how to deploy and configure Azure Monitor Agent on IaaS VMs and how to enable VM Insights and Data Collection Rules to monitor performance and application telemetry.

Lesson 1: Introduction

Lesson 2: Deploy Azure Monitor Agent to IaaS Virtual Machines

Lesson 3: Monitor Performance with VM insights

Lesson 4: Configure data collection rules for IaaS VM logs

Lesson 5: Knowledge check

Module 4: Configure monitor for virtual networks

Understand how to use Azure Network Watcher Connection Monitor, flow flags, NSG diagnostics and packet capture to monitor connectivity across your Azure IaaS network resources

Lesson 1: Introduction

Lesson 2: Topology

Lesson 3: Connection Monitor

Lesson 4: IP flow verify and NSG diagnostics

Lesson 5: Packet capture

Lesson 6: Knowledge check

Module 5: Configure alerts and responses

Understand how to figure and manage alerts and responses in order to proactively manage notifications about potential issues before those issues become problems for your users.

Lesson 1: Introduction

Lesson 2: Azure Monitor alerts

Lesson 3: Action groups

Lesson 4: Alert rules

Lesson 5: Alert processing rules

Lesson 6: Azure Monitor change analysis

Lesson 7: Knowledge check

Module 6: Guided Project-Deploy and configure Azure Monitor

Understand how to figure monitoring of various workloads and infrastructure services using Azure Monitor.

Lesson 1: Introduction

Lesson 2: Exercise-Prepare your Azure enviroment

Lesson 3: Exercise-Deploy Log Analytics

Lesson 4: Exercise-Monitor web apps

Lesson 5: Exercise-Configure monitoring for compute services

Lesson 6: Exercise-Configure alerts

Lesson 7: Knowledge check

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