

# Azure Monitoring in a Day

**Duration: 8 Hours**

**Pre-Requisite:** Basic Knowledge of Azure (AZ-900 Preferred)

## Table of Contents:

### Module-0: Revisiting basics

- What is Azure Monitor?
- What can you monitor?
- How do you collect data?
- What is Azure Monitor Metrics?
- What is Azure Monitor Logs?
- Demo Monitor VM percentage CPU using Metric Explorer

### Module-1: Monitor app performance

- Explore Application Insights
- Discover log-based metrics
- Instrument an app for monitoring
- Select an availability test
- Troubleshoot app performance by using Application Map

### Module-2: Design a full-stack monitoring strategy on Azure

- Full-stack monitoring in Azure
- Monitoring options in Azure
- Monitor applications by using Application Insights
- Monitor VMs and containers by using insights
- Manage Security using Azure Monitor, Defender for cloud and azure sentinel

### Module-3: Visualize data combined from multiple data sources by using Azure Workbooks

- Overview of Azure Workbooks
- Create a workbook that queries your resources
- Supported data sources
- Add a visualization to display the data
- Compare and analyze your data
- Add visualizations to compare and analyze the data

### Module-4: Improve incident response with Azure Monitor alerts

- Explore the different alert types that Azure Monitor supports
- Use metric alerts for alerts about performance issues in your Azure environment
- Exercise - Use metric alerts to alert on performance issues in your Azure environment
- Use log search alerts to alert on events in your application
- Use activity log alerts to alert on events within your Azure infrastructure
- Use action groups and alert processing rules to send notifications when an alert is fired
- Exercise -Use an activity log alert and an action group to notify users about events in your Azure infrastructure