

€ TRAINING

Deploy and Configure Azure Monitor





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Introduction:

This training program provides participants with comprehensive knowledge and practical skills essential for effectively deploying, configuring, and managing Azure Monitor in Microsoft Azure environments. It empowers them to enhance operational efficiency, mitigate risks, and ensure the reliability of their Azure infrastructure.

Program Objectives:

At the end of this program, participants will be able to:

- Understand the core components and capabilities of Azure Monitor.
- Learn techniques for deploying and configuring Azure Monitor to monitor Azure resources.
- Develop skills in analyzing and interpreting monitoring data to identify issues and trends.
- Gain insights into best practices for optimizing performance, availability, and security using Azure Monitor.
- Enhance capabilities in implementing alerting, logging, and diagnostic solutions in Azure environments.

Targeted Audience:

- Cloud Administrators.
- DevOps Engineers.
- Azure Administrators.
- IT Professionals managing Azure resources.
- System Administrators.
- IT Operations Managers.

Program Outline:

Unit 1:

Introduction to Azure Monitor:

- Overview of Azure Monitor and its role in monitoring Azure resources.
- Core components and architecture of Azure Monitor.

- Understanding metrics, logs, and alerts in Azure Monitor.
- Exploring the Azure Monitor portal and features.
- Case studies on real-world use cases of Azure Monitor.

Unit 2:

Deploying Azure Monitor:

- Planning and preparation for deploying Azure Monitor.
- Configuring monitoring solutions for Azure resources.
- Deploying agents and extensions for collecting monitoring data.
- Integrating Azure Monitor with other Azure services.
- Exercises on deploying Azure Monitor in Azure environments.

Unit 3:

Configuring Monitoring and Alerting:

- Defining and configuring monitoring metrics and logs.
- Creating custom alerts and alert rules in Azure Monitor.
- Configuring action groups and notifications for alerts.
- Fine-tuning alert thresholds and conditions.

Unit 4:

Analyzing Monitoring Data:

- Techniques for analyzing monitoring data and metrics in Azure Monitor.
- Interpreting monitoring charts, graphs, and dashboards.
- Identifying performance bottlenecks, anomalies, and trends.
- Troubleshooting common issues using monitoring data.
- Real-world scenarios and case studies on analyzing monitoring data effectively.

Unit 5:



Optimizing Performance and Security:

- Best practices for optimizing performance and availability using Azure Monitor.
- Implementing performance tuning and optimization strategies.
- Enhancing security and compliance using Azure Monitor.
- Configuring logging and diagnostic solutions for security monitoring.