AZ-1004: Deploy and configure Azure Monitor

Content

Module 1: Create and Configure a Log Analytics Workspace

- **Lessons:**
    - Create a Log Analytics workspace
    - Configure access to a Log Analytics Workspace
    - Configure data retention for a Log Analytics workspace
    - Configure Health Status Alerts for a Log Analytics workspace

Module 2: Configure Monitoring for Applications

- **Lessons:**
    - Describe how Application Insights is used to monitor application performance
    - Distinguish between the different Application Insights sampling rates
    - Describe Azure diagnostic settings and resource logs
    - Leverage Azure SQL Insights to improve performance of Azure SQL database applications

Module 3: Configure Monitoring for Virtual Machines

- **Lessons:**
    - Describe the Azure Monitor Agent and how it can be deployed to IaaS Virtual Machines
    - Explain VM Insights and how to use it to monitor IaaS VM performance
    - Enable data collection rules to collect operating system and application logs

Module 4: Configure Monitoring for Virtual Networks

- **Lessons:**
    - Create and configure an Azure Network Watcher Connection Monitor
    - Create and configure a flow log
    - Enable Traffic Analytics
    - Configure access to flow logs

Module 5: Configure Alerts and Responses

- **Lessons:**
  - o Describe the purpose of and identify the different types of alerts
  - o Explain how action groups are used to notify users about alerts
  - o Configure and manage alert rules
  - o Configure alert processing rules to modify triggered alerts
  - o Describe how Change Analysis provides insight into changes made to Azure resources

---

Module 6: Guided Project – Deploy and Configure Azure Monitor

- **Lessons:**
  - o Deploy and configure Log Analytics
  - o Configure monitoring for Web apps
  - o Monitor compute and networking services
  - o Configure alerts