Microsoft Certified: Security Operations Analyst Associate

Amman (Jordan)

6 - 10 April 2025

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Microsoft Certified: Security Operations Analyst Associate

Introduction

The Microsoft Certified: Security Operations Analyst Associate course is designed to equip IT professionals with the skills and knowledge needed to effectively manage and secure an organization's cybersecurity infrastructure. As a Security Operations Analyst, you will play a critical role in identifying and mitigating security threats, protecting sensitive data, and ensuring the overall security posture of your organization. This 5-day course provides comprehensive training and hands-on experience to help you prepare for the Microsoft Certified: Security Operations Analyst Associate certification.

Course Objectives

- Understand the fundamentals of security operations analysis and its importance in safeguarding organizational assets.

- Demonstrate proficiency in configuring and using Microsoft Sentinel to detect, investigate, and respond to security incidents.

- Gain expertise in threat intelligence, threat hunting, and how to proactively identify security threats.

- Master the use of Azure Defender for protecting cloud workloads and resources.

- Learn how to create and manage security alerts, conduct investigations, and develop incident response plans.

- Acquire the skills to analyze security data, perform security assessments, and implement security best practices.

- Prepare for the Microsoft Certified: Security Operations Analyst Associate certification exam.

Course Outline

Day 1

Security Operations Fundamentals

- Introduction to security operations analysis
- The role and responsibilities of a Security Operations Analyst
- Understanding cybersecurity threats and risks
- Security incident handling and response basics
- Overview of Microsoft Sentinel

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Day 2

Microsoft Sentinel and Threat Detection

- Configuring and using Microsoft Sentinel
- Log collection and analysis
- Detecting security incidents with Microsoft Sentinel
- Investigating and responding to security alerts
- Case management and incident tracking

Day 3

Threat Intelligence and Threat Hunting

- Threat intelligence and its importance
- Proactive threat hunting techniques
- Using threat intelligence to enhance security operations
- Advanced threat detection and hunting in Microsoft Sentinel

Day 4

Azure Defender for Cloud Security

- Introduction to Azure Defender
- Securing cloud workloads and resources
- Threat detection in Azure Defender
- Monitoring and protecting Azure environments

Day 5

Security Assessment and Incident Response

- Creating and managing security alerts
- Analyzing security data for insights
- Security assessment and vulnerability management
- Incident response planning and execution
- Preparing for the Microsoft Certified: Security Operations Analyst Associate certification exam

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