

Microsoft Certified: Security Operations Analyst Associate

London (UK)

10 - 14 November 2025

UK Training

PARTNER



Microsoft Certified: Security Operations Analyst Associate

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Introduction

The Microsoft Certified: Security Operations Analyst Associate course is an essential program designed for IT professionals looking to enhance their skills in managing and securing an organization's cybersecurity infrastructure. As a Security Operations Analyst Associate, you will be at the forefront of safeguarding sensitive data, identifying potential security threats, and ensuring robust operational security across your organization. This comprehensive 5-day course not only provides foundational knowledge but also offers hands-on experience necessary for achieving the Microsoft Certified Security Operations Analyst Associate certification.

Whether you're looking to learn the nuances of cybersecurity security operations, understand security operations best practices, or prepare for the security operations center course, this training will equip you with the necessary skills to succeed. With a special focus on cybersecurity operational technology, this course will help you develop the proficiency required to defend against the ever-evolving landscape of cyber threats.

Course Objectives

- Understand the fundamentals of security operations analysis: Grasp the critical importance of operational security, answering questions like "what is operational security?" and providing a clear operation security definition.
- Demonstrate proficiency with Microsoft Sentinel: Learn how to configure and use Microsoft Sentinel for cybersecurity security operations, detecting, investigating, and responding to security incidents in real time.
- Expertise in threat intelligence and threat hunting: Master proactive threat-hunting techniques and understand how to utilize threat intelligence to stay ahead of potential security risks.
- Fortify cloud workloads with Azure Defender: Master Azure Defender for securing cloud environments, safeguarding cybersecurity operational technology and ensuring that your organization's operational security infrastructure is well-protected against threats.
- Create and manage security alerts: Learn how to create effective security operations alerts, conduct thorough investigations, and implement incident response plans in line with security operations best practices.
- Conduct security assessments and vulnerability management: Acquire skills to analyze security data, perform security assessments, and develop actionable plans for operational security management.
- Prepare for the certification exam: Gain the expertise needed to pass the Microsoft Certified Security Operations Analyst Associate exam and excel in security operations analyst roles across various industries.

Course Outlines

Day 1: Security Operations Fundamentals

- Introduction to security operations analysis and its relevance in global operations security.
- Understanding the role of a Security Operations Analyst Associate and responsibilities.



- Overview of different types of security operations center SOC and associated cybersecurity risks.
- Introduction to security incident handling and response processes.
- Exploring the capabilities of Microsoft Sentinel for managing security incidents.

Day 2: Microsoft Sentinel and Threat Detection

- Configuring and effectively using Microsoft Sentinel for cybersecurity security operations.
- Techniques for log collection and analysis to detect security incidents.
- Investigating and responding to alerts within security operations.
- Managing cases and tracking incidents with Microsoft Sentinel.

Day 3: Threat Intelligence and Threat Hunting

- The importance of threat intelligence in security operations.
- Proactive threat-hunting techniques to identify and mitigate potential threats.
- Using threat intelligence to enhance security operations in Microsoft Sentinel, including advanced detection methods.

Day 4: Azure Defender for Cloud Security

- Introduction to Azure Defender and its key security features for cloud workloads.
- Securing cloud resources against emerging threats.
- Techniques for monitoring and protecting Azure environments effectively.

Day 5: Security Assessment and Incident Response

- Creating and managing security alerts for incident management.
- Analyzing security data for critical insights and assessments.
- Conducting security assessments and managing vulnerabilities.
- Developing and executing incident response plans that are grounded in security operations best practices.

Why Attend This Course: Wins & Losses!

Attending this course is crucial for those aspiring to become an adept Security Operations Analyst Associate. Whether you are pursuing a role in a Security Operations Center SOC or exploring other areas like a maritime security operative course, this course will empower you with the necessary tools and knowledge to excel in security operations management.

Why is this course essential?

- You will understand operational security management in-depth and how it plays a vital role in the success of a cybersecurity program.
- Gain proficiency with Microsoft Sentinel and other key tools, which are crucial for monitoring, detecting, and responding to threats in real time.
- Master the ability to detect, assess, and respond to threats using proactive threat-hunting techniques and security operations best practices.
- Prepare for the Microsoft Certified Security Operations Analyst Associate exam and open the door to a successful career in cybersecurity.



This course is also ideal for professionals seeking to upskill in operational security processes, gain insights into different types of security operations center, and refine their knowledge of operating system security through hands-on experience and case studies.

Conclusion

The Microsoft Certified: Security Operations Analyst Associate course is designed to equip you with the essential knowledge and skills required for excelling in security operations. This training will not only prepare you for the Security Operations Analyst Associate certification but also enable you to handle real-world security challenges. Whether your interest lies in cybersecurity security operations, operational security management, or becoming a part of a Security Operations Center, this course provides the critical tools to succeed.

By completing this course, you will be well-equipped to safeguard your organization's digital infrastructure and drive successful security operations analyst initiatives. Take the first step toward becoming a certified Security Operations Analyst Associate and enhance your ability to respond effectively to cybersecurity threats.



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