SC-401

Protect sensitive information with Microsoft Purview in the AI era

Description:

The Information Security Administrator course equips you with the skills needed to plan and implement information security for sensitive data using Microsoft Purview and related services. The course covers essential topics such as information protection, data loss prevention (DLP), retention, and insider risk management. You learn how to protect data within Microsoft 365 collaboration environments from internal and external threats. Additionally, you learn how to manage security alerts and respond to incidents by investigating activities, responding to DLP alerts, and managing insider risk cases. You also learn how to protect data used by AI services within Microsoft environments and implement controls to safeguard content in these environments.

Students will be able to:

- Describe specialized data classifications on Azure
- Identify Azure data protection mechanisms
- Implement Azure data encryption methods
- Secure Internet protocols and how to implement them on Azure
- Describe Azure security services and features

Course requirements:

Foundational knowledge of Microsoft security and compliance technologies.
Basic knowledge of information protection concepts.
Understanding of cloud computing concepts.
Understanding of Microsoft 365 products and services.

This course is intended for:

This course is for the Information Security Administrator who plan and implement information security for sensitive data using Microsoft Purview and related services. You're responsible for mitigating risks by protecting data within Microsoft 365 collaboration environments from internal and external threats, as well as safeguarding data used by AI services. Your role involves implementing information protection, data loss prevention (DLP), retention, and insider risk management. You also manage security alerts and respond to incidents by investigating activities, responding to DLP alerts, and managing insider risk cases. In this role, you collaborate with other roles responsible for governance, data, and security to develop policies that address your organization's information security and risk reduction goals. You work with workload administrators, business application owners, and governance stakeholders to implement technology solutions that support these policies and controls.

Literature:

All participants will receive original Microsoft student materials and access to labs.

Hardware:

Classrooms are equipped with high-performance computers with Internet access and the possibility of wireless connection.

Syllabus:

Module 1: Implement Information Protection

- Protect sensitive data in a digital world
- Classify data for protection and governance
- Review and analyze data classification and protection
- Create and manage sensitive information types
- Create and configure sensitivity labels with Microsoft Purview
- Apply sensitivity labels for data protection
- Understand Microsoft 365 encryption
- Deploy Microsoft Purview Message Encryption

Module 2: Implement and manage Data Loss Prevention

- Prevent data loss in Microsoft Purview
- Implement endpoint data loss prevention (DLP) with Microsoft Purview
- Configure DLP policies for Microsoft Defender for Cloud Apps and Power Platform

Module 3: Implement and manage retention and recovery in Microsoft Purview

- Understand retention in Microsoft Purview
- Implement and manage retention and recovery in Microsoft Purview

Module 4: Implement and manage Microsoft Purview Insider Risk Management

- Understand Microsoft Purview Insider Risk Management
- Prepare for Microsoft Purview Insider Risk Management
- Create and manage Insider Risk Management policies
- Investigate insider risk alerts and related activity
- Implement Adaptive Protection in Insider Risk Management

Module 5: Audit and search activity in Microsoft Purview

- Search and investigate with Microsoft Purview Audit
- Search for content with Microsoft Purview Content Search

Module 6: Secure AI interactions and environments with Microsoft Purview

- Discover AI interactions with Microsoft Purview
- Protect sensitive data from AI-related risks
- Govern AI usage with Microsoft Purview
- Assess and mitigate AI risks with Microsoft Purview

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