Protect sensitive information with Microsoft Purview in the AI era (SC-401T00)

Duration: 4 days
Audience: Professionnel TI

Who is this training for?

As an Information Security Administrator, you 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.

Training objectives

By the end of this

course, students will be able to:

- Protect sensitive data using classification, sensitivity labels, encryption, and Microsoft Purview Message Encryption.
- Create, manage, and analyse sensitive information types to strengthen data governance.
- Configure and manage Microsoft Purview DLP across endpoints, cloud apps, and Power Platform.
- Apply retention and recovery capabilities to meet governance and compliance requirements.
- Configure Insider Risk Management policies, investigate alerts, and apply Adaptive Protection.
- Perform audit investigations and content searches using Microsoft Purview Audit and Content Search.
- Discover AI interactions, govern AI usage, and mitigate AI related risks with Microsoft Purview.

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Summary

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.

Course outline

Learning Path 1: Implement Information Protection

- Module 1: Protect sensitive data in a digital world
- Module 2: Classify data for protection and governance
- Module 3: Review and analyze data classification and protection
- Module 4: Create and manage sensitive information types
- Module 5: Create and configure sensitivity labels with Microsoft Purview
- Module 6: Apply sensitivity labels for data protection
- Module 7: Understand Microsoft 365 encryption
- Module 8: Deploy Microsoft Purview Message Encryption

Learning Path 2: Implement and Manage Data Loss Prevention

- Module 1: Prevent data loss in Microsoft Purview
- Module 2: Implement endpoint data loss prevention (DLP) with Microsoft Purview
- Module 3: Configure DLP policies for Microsoft Defender for Cloud Apps and Power Platform

Learning Path 3: Implement and Manage Retention and Recovery in Microsoft Purview

- Module 1: Understand retention in Microsoft Purview
- Module 2: Implement and manage retention and recovery in Microsoft Purview

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Learning Path 4: Implement and Manage Microsoft Purview Insider Risk Management

- Module 1: Understand Microsoft Purview Insider Risk Management
- Module 2: Prepare for Microsoft Purview Insider Risk Management
- Module 3: Create and manage Insider Risk Management policies
- Module 4: Investigate insider risk alerts and related activity
- Module 5: Implement Adaptive Protection in Insider Risk Management

Learning Path 5: Audit and Search Activity in Microsoft Purview

- Module 1: Search and investigate with Microsoft Purview Audit
- Module 2: Search for content with Microsoft Purview Content Search

Learning Path 6: Protect Data in AI Environments with Microsoft Purview

- Module 1: Discover AI interactions with Microsoft Purview
- Module 2: Protect sensitive data from AI related risks
- Module 3: Govern AI usage with Microsoft Purview
- Module 4: Assess and mitigate AI risks with Microsoft Purview

Approach and methodology

Practical and structured approach combining focused theory and guided workshops. Participants progressively administer information security with Microsoft solutions through real-world exercises inspired by business scenarios, promoting immediate application of learning.

They learn how to implement information protection, compliance, and governance strategies, as well as how to secure data and manage associated risks.

Led by a Microsoft certified trainer, the training focuses on interactivity and the development of directly transferable technical skills to strengthen security and compliance in a professional context.

Prerequisites

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Students

should have the following knowledge and experience before attending this

course:

- 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.

Recommendations

Optional Prerequisites:

- General understanding of information security concepts
- Familiarity with Microsoft Purview and Microsoft security services
- Awareness of governance and compliance principles
- Basic knowledge of insider risk management
- Understanding of Microsoft 365 environments
- Awareness of data protection and DLP concepts
- Understanding of data security in AI driven environments

Certifications

This course prepares you for exam SC-401, which leads to the Microsoft Certified: Information Security Administrator Associate certification.

The exam lasts 100 minutes and is available in English and French. A score of 700 is required to pass. The exam price depends on the country where it is taken.

It covers three equally weighted areas (30–35% each): implementing information protection, implementing data loss prevention and retention, and managing risks, alerts and activities.

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Microsoft lets you renew the certification for free, by passing an online assessment on Microsoft Learn, within the six months before it expires

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