

MS-SC5003: IMPLEMENT INFORMATION PROTECTION AND DATA LOSS PREVENTION BY USING MICROSOFT PURVIEW



DURATION	LEVEL	TECHNOLOGY	DELIVERY METHOD	TRAINING CREDITS
1 Day	Intermediate	Security	Instructor-led	NA

INTRODUCTION

Gain the skills to use Microsoft Purview to improve your data security in Microsoft 365. In this training, you learn how to create sensitive information types, create sensitivity labels, and use auto-labeling policies based on these labels. You also learn how to set up DLP (Data Loss Prevention) policies to safeguard your organization's data.

AUDIENCE PROFILE

This course is tailored for professionals focused on safeguarding sensitive data and ensuring compliance across Microsoft 365 environments. The target audience includes:

- Security and Compliance Officers - overseeing data governance and protection strategies.
- IT Professionals - managing Microsoft 365 security and DLP configurations.
- Information Protection Administrators - deploying classification and sensitivity labels.
- Data Protection Officers - ensuring regulatory compliance and minimizing data exposure.
- Risk Management Personnel - assessing and mitigating data-related risks.
- Cybersecurity Consultants - advising on Microsoft Purview implementation.

PREREQUISITES

Before attending this course, delegates must have:

- Basic understanding of Microsoft 365 products and services
- Familiarity with Microsoft Purview
- An understanding of data security concepts

COURSE OBJECTIVES

After completing this course, delegates will be able to:

- Create and manage sensitive information types using Microsoft Purview.
- Configure and apply sensitivity labels to classify and protect data throughout its lifecycle.
- Implement auto-labeling policies for consistent and automated data classification.
- Design and enforce Data Loss Prevention (DLP) policies to prevent accidental data leaks.
- Monitor and analyze data protection effectiveness using dashboards and reports.
- Integrate Microsoft Purview with other security tools for a comprehensive protection strategy.
- Respond to DLP incidents and manage alerts within the Microsoft Purview compliance portal.

COURSE CONTENT

Module 1: Introduction to information security and compliance in Microsoft Purview

Discover the tools and concepts in Microsoft Purview for managing and protecting sensitive data. Understand how to keep data secure and compliant throughout its lifecycle across different environments.

Lessons

- Introduction
- Foundations of data security and compliance with Microsoft Purview
- Know your data
- Protect your data
- Prevent data loss
- Govern your data
- Module assessment

- Summary and resources

By the end of this module, you'll be able to:

- Understand the importance of data security and compliance.
- Discuss Microsoft's approach to protecting and managing sensitive data using Microsoft Purview.
- Define key concepts related to data protection, lifecycle management, and compliance.
- Identify Microsoft Purview tools and solutions that support data protection and governance strategies.

Module 2: Create and manage sensitive information types

Learn how to use sensitive information types to support your information protection strategy.

Lessons

- Introduction
- Sensitive information type overview
- Compare built-in versus custom sensitive information types
- Create and manage custom sensitive information types
- Create and manage exact data match sensitive info types
- Implement document fingerprinting
- Describe named entities
- Create a keyword dictionary
- Module assessment

- Summary and resources
- By the end of this module, you'll be able to:
- Recognize the difference between built-in and custom sensitivity labels.
 - Configure sensitive information types with exact data match-based classification.
 - Implement document fingerprinting.
 - Create custom keyword dictionaries.

Module 3: Create and configure sensitivity labels with Microsoft Purview

Microsoft Purview sensitivity labels enable you to classify and protect sensitive data throughout your organization, including in the cloud and on devices. This module covers how to classify and protect sensitive information to ensure its security and compliance.

Lessons

- Introduction
- Sensitivity label overview
- Create and configure sensitivity labels and label policies
- Configure encryption with sensitivity labels
- Implement auto-labeling policies
- Track and evaluate sensitivity label usage in Microsoft Purview
- Module assessment
- Summary

By the end of this module, you'll be able to:

- Understand the basics of Microsoft Purview sensitivity labels in Microsoft 365.

- Create and publish sensitivity labels to classify and safeguard data.
- Configure encryption settings with sensitivity labels for improved data security.
- Implement auto-labeling for consistent data classification and protection.
- Use the Microsoft Purview data classification dashboard to monitor sensitivity label usage.

Module 4: Prevent data loss in Microsoft Purview

Microsoft Purview Data Loss Prevention (DLP) helps safeguard sensitive information by monitoring and preventing accidental data leaks across your organization's digital platforms. In this module, you'll learn how to plan, deploy, and adjust DLP policies to protect sensitive data in your organization, ensuring security without disrupting daily work.

Lessons

- Introduction
- Data loss prevention overview
- Plan and design DLP policies
- Understand DLP policy deployment and simulation mode
- Create and manage DLP policies
- Integrate Adaptive Protection with DLP
- Use DLP analytics (preview) to identify data risks
- Understand DLP alerts and activity tracking
- Module assessment
- Summary and resources

By the end of this module, you'll be able to:

- Understand the purpose and benefits of Microsoft Purview DLP.
- Plan, design, simulate, and deploy DLP policies.
- Apply Adaptive Protection for dynamic, risk-based data controls.
- Use DLP analytics to improve policy effectiveness.
- Monitor, investigate, and refine policies using alerts and activity tracking.

Module 5: Implement information protection and data loss prevention with Microsoft Purview

This module guides you through implementing data security with Microsoft Purview to enhance data protection and comply with data loss prevention standards within your organization.

Lessons

- Introduction
- Exercise - Configure your environment for administration
- Exercise - Create a sensitive info type
- Exercise - Create and publish a sensitivity label
- Exercise - Create a data loss prevention (DLP) policy
- Summary

In this module you learn how to:

- Create sensitive information types.
- Implement sensitivity labels.
- Apply auto-labeling policies.
- Enforce data loss prevention policies.

ASSOCIATED CERTIFICATIONS & EXAM

There is no Associated Certification or Exam for this course, however, there is an assessment to achieve your Applied Skills credential. ([Assessment Link](#))