



Unified Data Governance with Microsoft Purview

A practical walkthrough of Purview's governance, compliance, and information protection capabilities.

What is Microsoft Purview?

Microsoft Purview is Microsoft's unified platform for **data governance, compliance, risk, and security** across Microsoft 365, Azure, Microsoft Fabric, and external clouds.

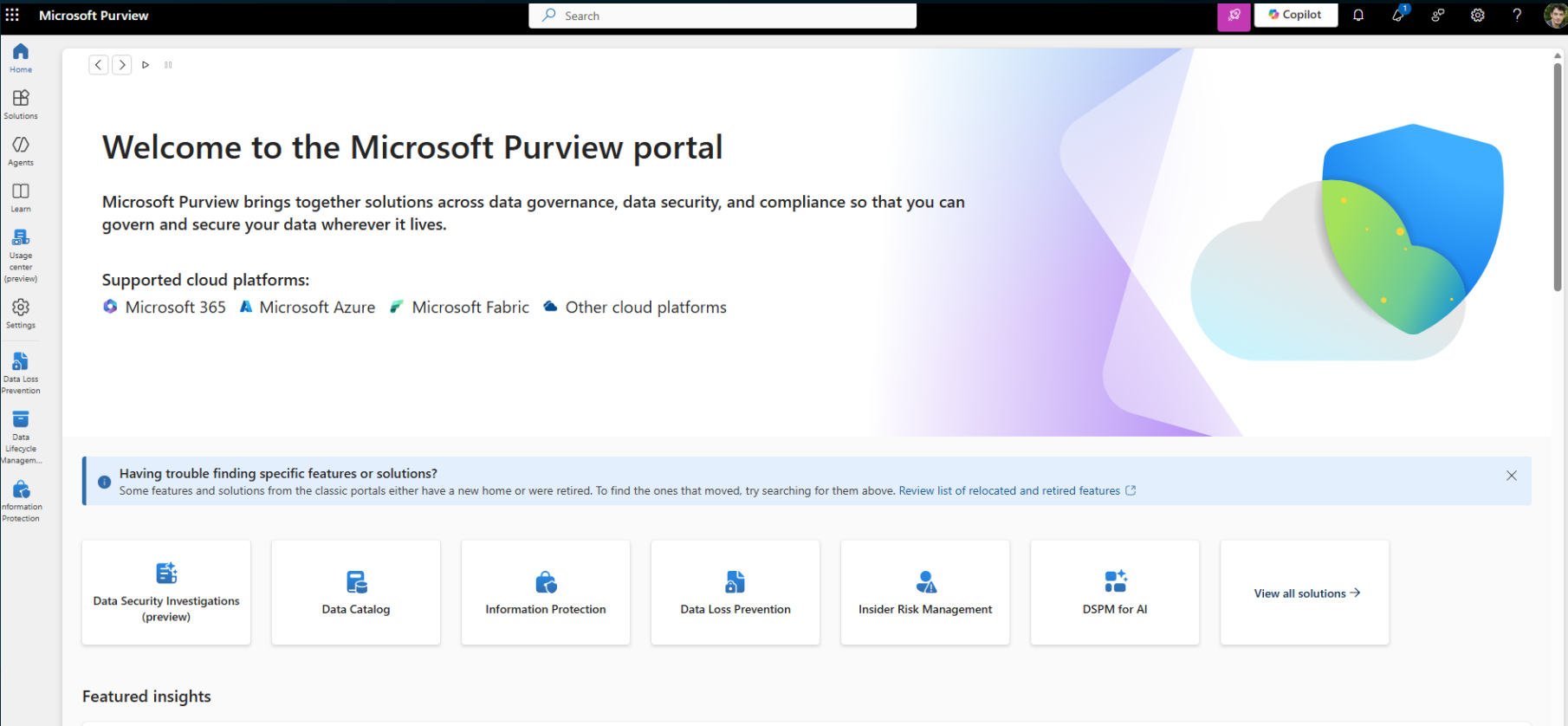
Purview helps organizations:

- Discover and classify data across distributed environments
- Monitor compliance posture
- Enforce policies and reduce risk
- Manage sensitive data end-to-end


This project explores Purview's main components using real portal views.

Purview Home — Unified Data Governance Entry Point

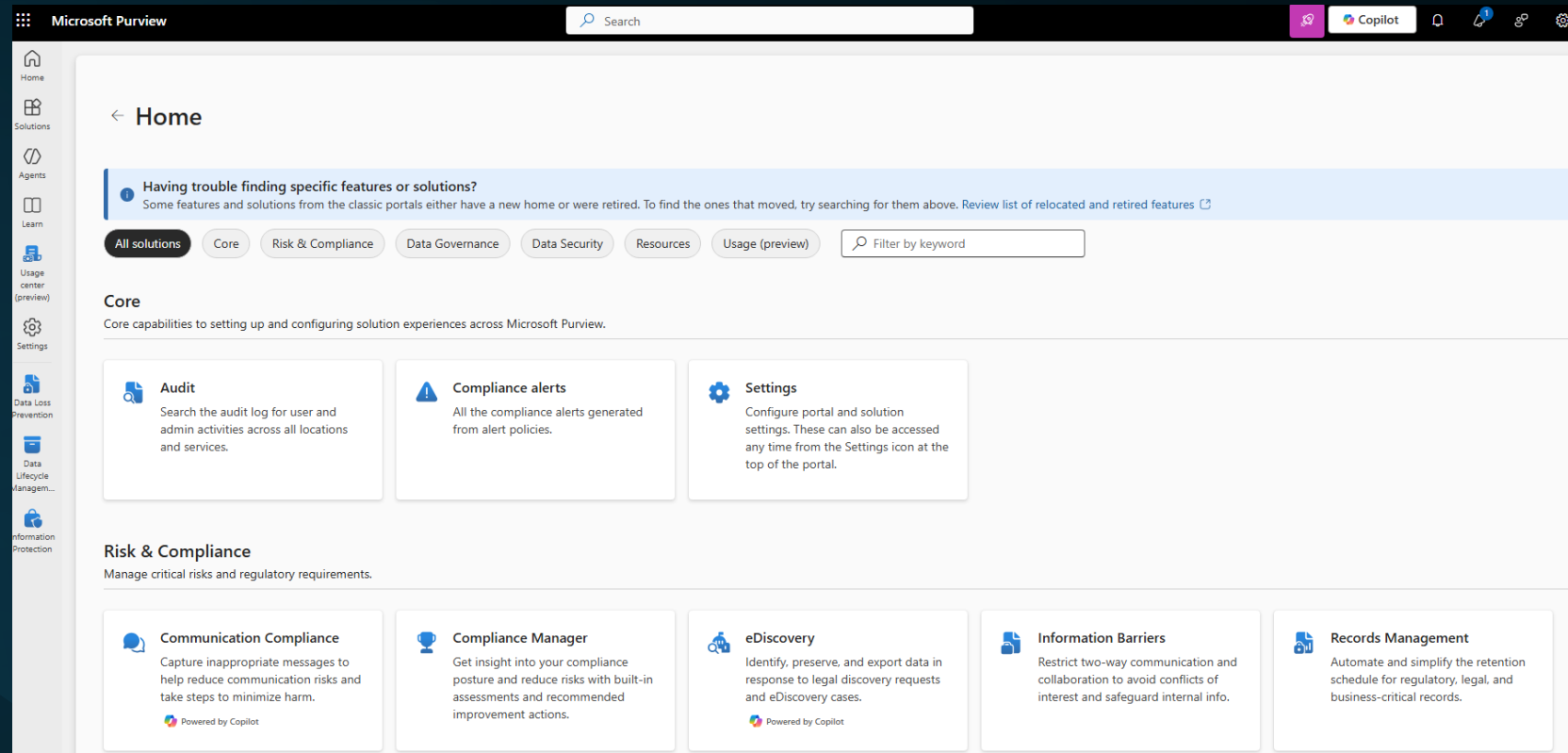
The Purview home page gives a centralized entry point into all governance and compliance solutions. From here, organizations can access:



Data Catalog	Data Loss Prevention
Compliance Manager	Insider Risk Management
Information Protection	Communication Compliance
Data Lifecycle & Records Management	

Purview unifies Microsoft 365, Azure, Fabric,  PerparimLabs and third-party data sources for a consistent governance experience

Purview Solutions Breakdown



These categories represent Purview's major governance and security domains:

Core

Services required to configure and operationalize Purview:

- Audit
- Compliance Alerts
- Portal Settings

Risk & Compliance

Tools for meeting legal, privacy, and regulatory requirements:

- Communication Compliance
- Compliance Manager
- eDiscovery
- Information Barriers
- Records Management

Purview Solutions Breakdown

Data Governance

Ensures data quality, discoverability, consistency, and lifecycle:

- Data Catalog
- Data Lifecycle Management
- Governance Domains

This layout is the foundation of Purview’s governance model.


Data Security

Protects sensitive content everywhere it lives:


- Data Loss Prevention
- Data Security Posture Management
- Information Protection
- Insider Risk Management

Data Governance

Govern data seamlessly to empower your organization.

**Data Catalog**


Find and curate data across your org with this searchable inventory of data assets and metadata.

**Data Lifecycle Management**


Manage your content lifecycle so you can keep what you need and delete what you don't.

Data Security


Secure data across its lifecycle, wherever it lives.

**Data Loss Prevention**


Protect sensitive content as it's used and shared throughout your org - in the cloud, on-premises, and on devices.
Powered by Copilot

**Data Security Posture Management**


Get insights and recommendations for protecting sensitive data, improving data security posture, and identifying top risks using Security Copilot.
Powered by Copilot

**Data Security Investigations (preview)**


Leverage AI to identify, analyze, and mitigate risks in response to a data security incident.
Powered by Copilot

**Information Protection**

Discover, classify, and protect sensitive and business-critical content throughout its lifecycle.


**Insider Risk Management**

Detect risky user activity to help quickly identify and take action on insider risks and threats.
Powered by Copilot

**DSPM for AI**

Discover and secure your org's AI data and activity in Microsoft Copilot experiences, agents, and other AI apps in one central location.


Resources

**Knowledge Center**


Explore learning materials such as documentation, blogs, videos, and tutorials.

Usage (preview)

Explore usage trends across Microsoft Purview.

**Usage center (preview)**

Get insights into how your Microsoft Purview solutions are used. Review reports, track usage patterns, and manage features.



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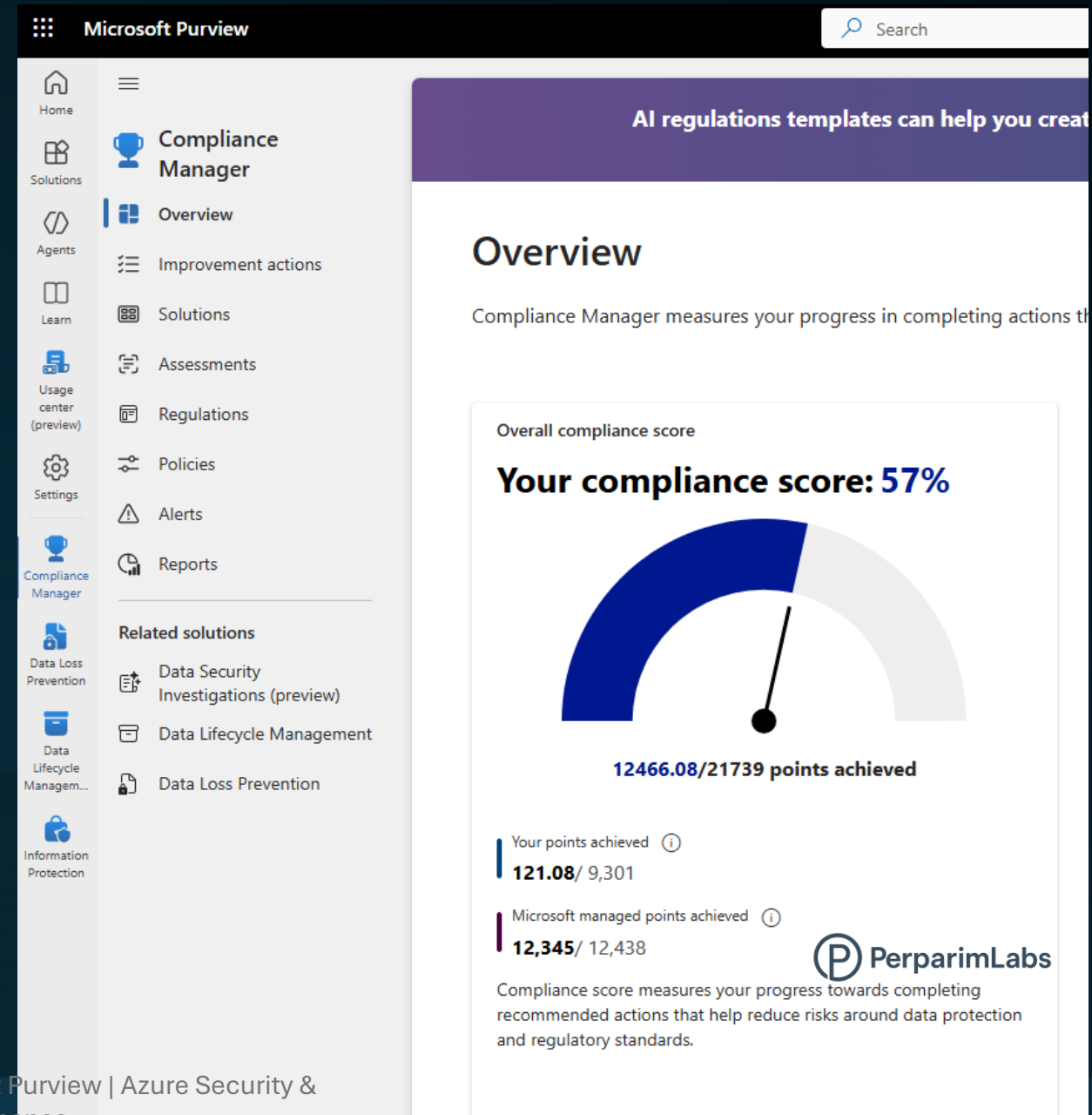
Compliance Manager — Centralized Compliance Score

Compliance Manager provides a **real-time score** showing how well your environment aligns with security and regulatory frameworks.

It delivers:

- A measurable **overall compliance score**
- Breakdown of Microsoft-managed vs. customer-managed controls
- Recommended improvement actions
- Framework-based assessments (GDPR, ISO, NIST, PCI, etc.)

Your score helps prioritize actions that most efficiently reduce organizational risk.



Compliance Assessments — Track Framework Alignment

Assessments let organizations evaluate their posture against frameworks such as:

- **Microsoft 365 Data Protection Baseline**
- **ISO 27001**
- **NIST SP 800-53**
- **PCI DSS**
- **GDPR**

Each assessment contains:

- Required controls
- Implementation guidance
- Maturity scoring
- Automated testing (where possible)

Assessments scale compliance across multiple services and departments.

The screenshot displays the Microsoft Purview Compliance Manager web interface. The left sidebar contains navigation links for Home, Solutions, Agents, Learn, Usage center (preview), Settings, Compliance Manager, Data Loss Prevention, Data Lifecycle Management, and Information Protection. The main content area is titled 'Assessments' and includes a header 'Enhance your assessment coverage'. Below the header, there's a summary section showing 'Free regulation licenses used' as 0/3 and 'Purchased regulation licenses used' as 0/0, with a 'View details' link. Action buttons for 'Add assessment', 'Export actions', and 'Update actions' are present. A filters section shows 'Regulations: Any', 'Groups: Any', 'Service: Any', and 'Role type: Any'. A table lists the assessment 'Data Protection Baseline for Microsoft 365' with a status of 'In progress' and 57% progress.

Assessment	Status	Progress
<input type="checkbox"/> Data Protection Baseline for Microsoft 365	In progress	57%

Regulations Library — 360+ Frameworks Available

Purview offers **hundreds of regulations** that organizations can activate depending on industry or geography.

Examples:

- ISO/IEC 27001
- SOC 2
- HIPAA
- NIST 800-53
- PCI DSS v4.0
- AI Risk Management frameworks
- Data Protection Baseline (Microsoft)

Each regulation contains templates to quickly align Purview assessments.

Microsoft Purview

Home

Solutions

Agents

Learn

Usage center (preview)

Settings

Compliance Manager

Data Loss Prevention

Data Lifecycle Management

Information Protection

Compliance Manager

Overview

Improvement actions

Solutions

Assessments

Regulations

Policies

Alerts

Reports

Related solutions

Data Security Investigations (preview)

Data Lifecycle Management

Data Loss Prevention

You have three free premium templates available. Choose from our library of 360+ regulations and get started today.

Create assessment

Regulations

Review the list of regulations available to your organization, you can create assessments for specific regulations to track your compliance against them. [Learn more about regulations](#)

Free regulation licenses used

0/3

Purchased regulation licenses used

0/0

View details

Create new template

Customize regulation

Delete Draft

391 items

Search

Filters:

Service: Any

Role type: Any

Created by: Any

Activation: Any

Availability: Any

Status: Any

Regulation	Status	Availability	Created by	Last updated date	Overarching regul...	Created date	Activation	Services
Sub-Service Compliance Readiness (4)								
<input type="checkbox"/> PCI DSS v4.0	Ready to use	Pre-Deployment			PCI DSS		Active	Azure
<input type="checkbox"/> System and Organization Contro...	Ready to use	Pre-Deployment			System and Organiza...		Active	Azure
<input type="checkbox"/> ISO/IEC 27001:2013	Ready to use	Pre-Deployment			ISO/IEC 27001:2013		Active	Azure
<input type="checkbox"/> NIST 800-53 rev.4	Ready to use	Pre-Deployment			NIST 800-53		Active	Azure
Included templates (2)								
<input type="checkbox"/> Data Protection Baseline	Ready to use	Included			Data protection basel...		Active	Salesforce, Zoom
<input type="checkbox"/> AI Baseline	Ready to use	Included			AI Baseline		Active	Azure AI Foundry
Premium AI templates (4)								
<input type="checkbox"/> NIST AI Risk Management Frame...	Ready to use	Premium AI			NIST AI Risk Manage...		Inactive	Universal, Micros

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Regulation Details — Mapping Controls with Azure & M365

This view shows how Purview breaks a regulation into actionable pieces:

- **Control descriptions** (NIST CM-8, AC-2, etc.)
- **Azure Policy mappings**
- **Service-specific controls** (Azure, M365, Fabric)
- **Implementation guidance**
- **Monitoring capabilities**

The screenshot displays the Microsoft Purview Compliance Manager interface. The left sidebar shows the navigation menu with options like Home, Compliance Manager, Solutions, Agents, Learn, Usage center, Settings, and Related solutions. The main content area is titled 'NIST 800-53 rev.4' and provides a description of the regulation. Below this, there's a section for 'All actions' with tabs for 'Your actions' and 'Microsoft actions'. A filter set is applied: 'Service: Azure', 'Sub-Service: Any', 'Control Family: Any', and 'Control ID: Any'. A table lists the mapped Azure services and their corresponding control families and names. A right-hand pane provides detailed information for the selected 'Azure Policy Support | AM-2' control, including its description, feature description, and guidance.

Feature Action	Cloud Security B...	Sub-Service	Control Family	Control Name	Feature
<input checked="" type="checkbox"/> Azure Policy Support	AM-2	Azure AI Studio	CONFIGURATION MANAGEMENT	CM-8	Yes
<input type="checkbox"/> Azure Policy Support	AM-2	Azure App Configuration	CONFIGURATION MANAGEMENT	CM-8	Yes
<input type="checkbox"/> Azure Policy Support	AM-2	Azure Cache for Redis	CONFIGURATION MANAGEMENT	CM-8	Yes
<input type="checkbox"/> Azure Policy Support	AM-2	Azure Active Directory Domain Ser...	CONFIGURATION MANAGEMENT	CM-8	Yes
<input type="checkbox"/> Azure Policy Support	AM-2	Automation	CONFIGURATION MANAGEMENT	CM-8	Yes
<input type="checkbox"/> Azure Policy Support	AM-2	App Service	CONFIGURATION MANAGEMENT	CM-8	Yes
<input type="checkbox"/> Azure Policy Support	AM-2	Application Gateway	CONFIGURATION MANAGEMENT	CM-8	Yes
<input type="checkbox"/> Azure Policy Support	AM-2	API Management	CONFIGURATION MANAGEMENT	CM-8	Yes
<input type="checkbox"/> Azure Policy Support	AM-2	Azure Arc-enabled servers	CONFIGURATION MANAGEMENT	CM-8	Yes

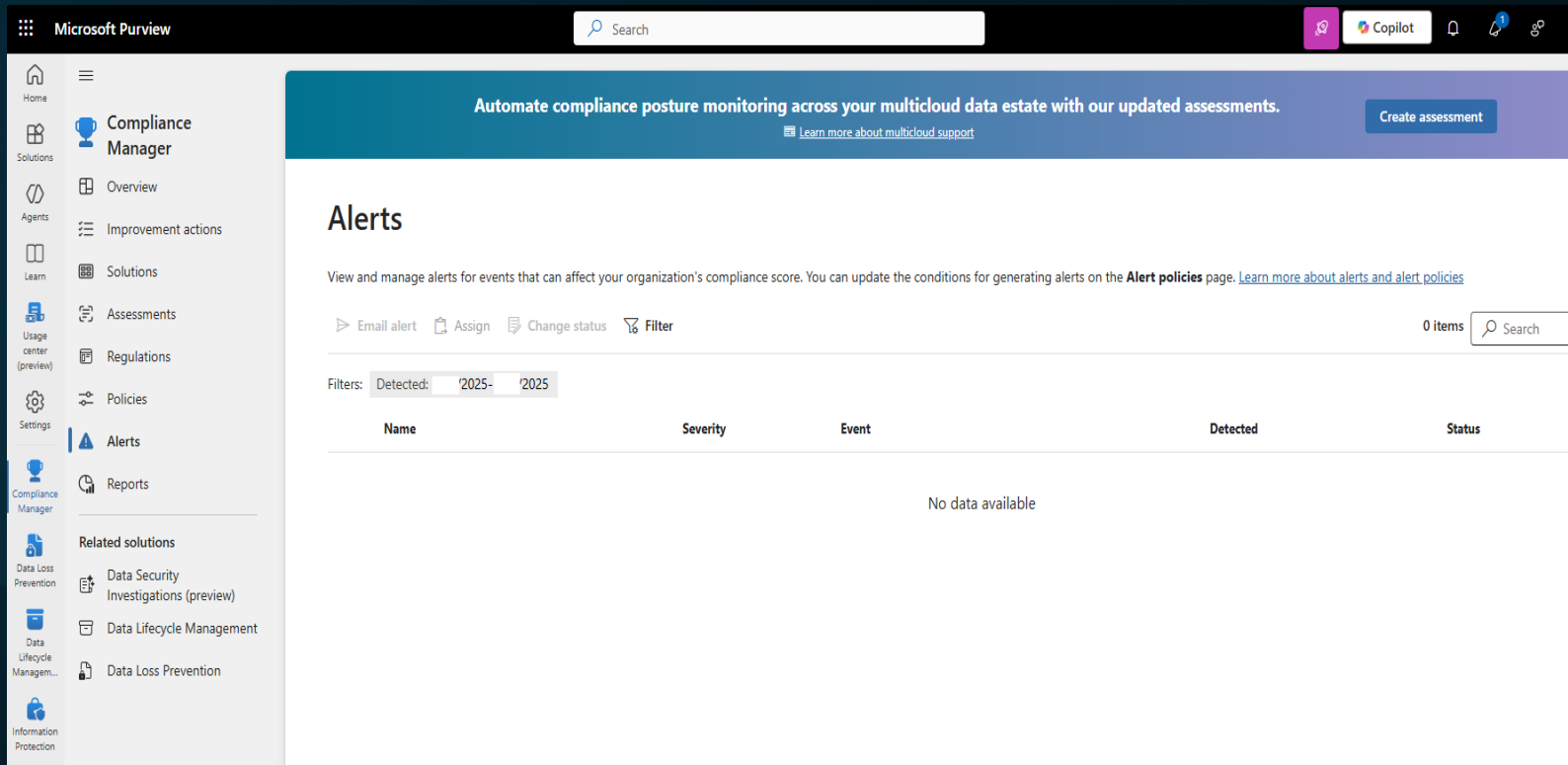
This helps compliance teams understand which technologies satisfy which regulatory requirements.

Compliance Alerts — Monitor Risk & Violations

Compliance Manager Alerts identify:

- Policy violations
- Compliance score-impacting events
- Changes in sensitive data posture
- Framework-specific control failures

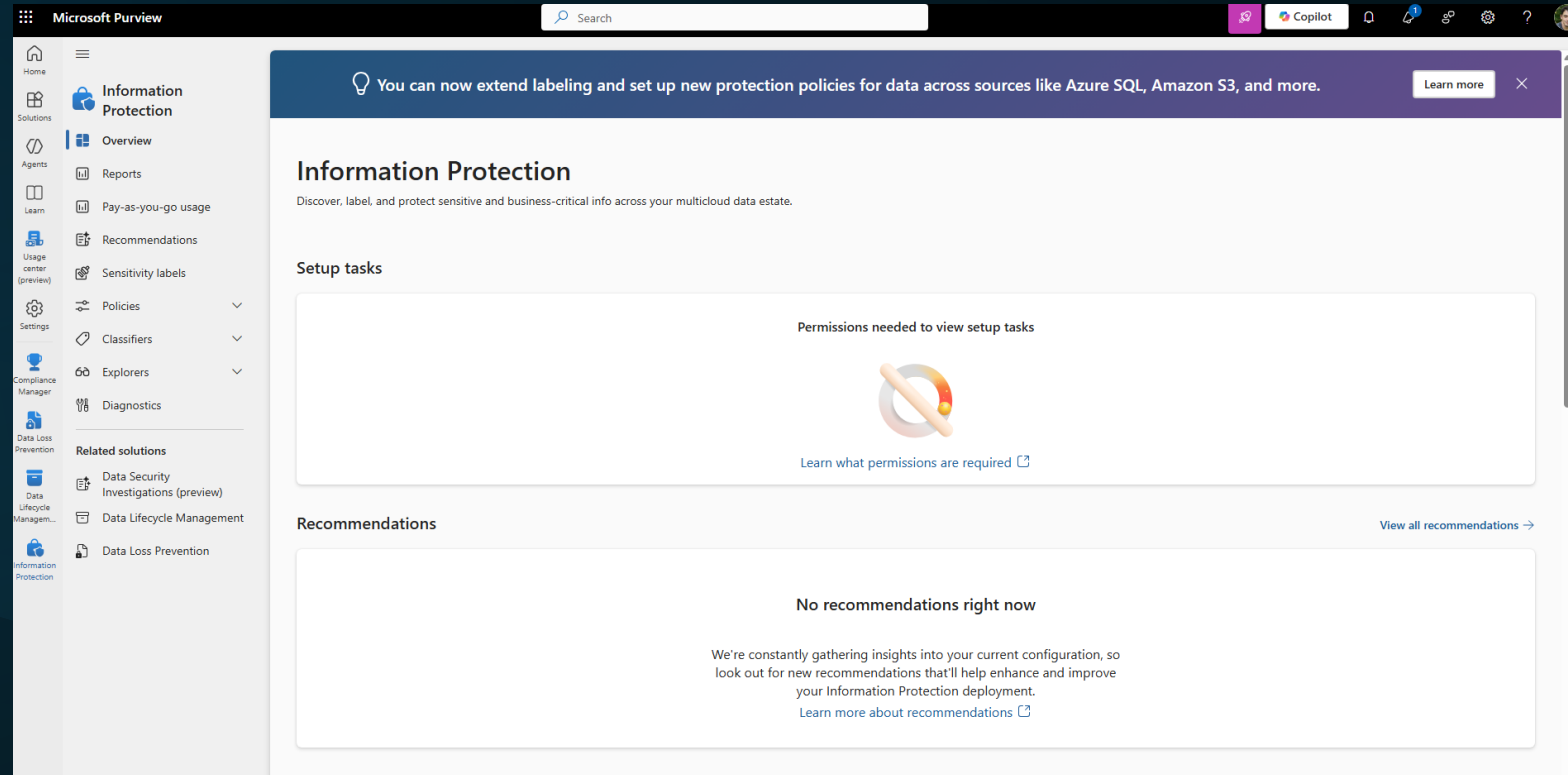
Alerts help proactively address configuration drift and emerging compliance gaps.



Information Protection — Label, Classify & Protect Data

Purview Information Protection enables:

- Sensitivity labels
- Auto-labeling rules
- Activity reporting
- Classification using built-in & custom classifiers
- Multicloud data protection (Azure SQL, AWS S3, Amazon RDS, etc.)



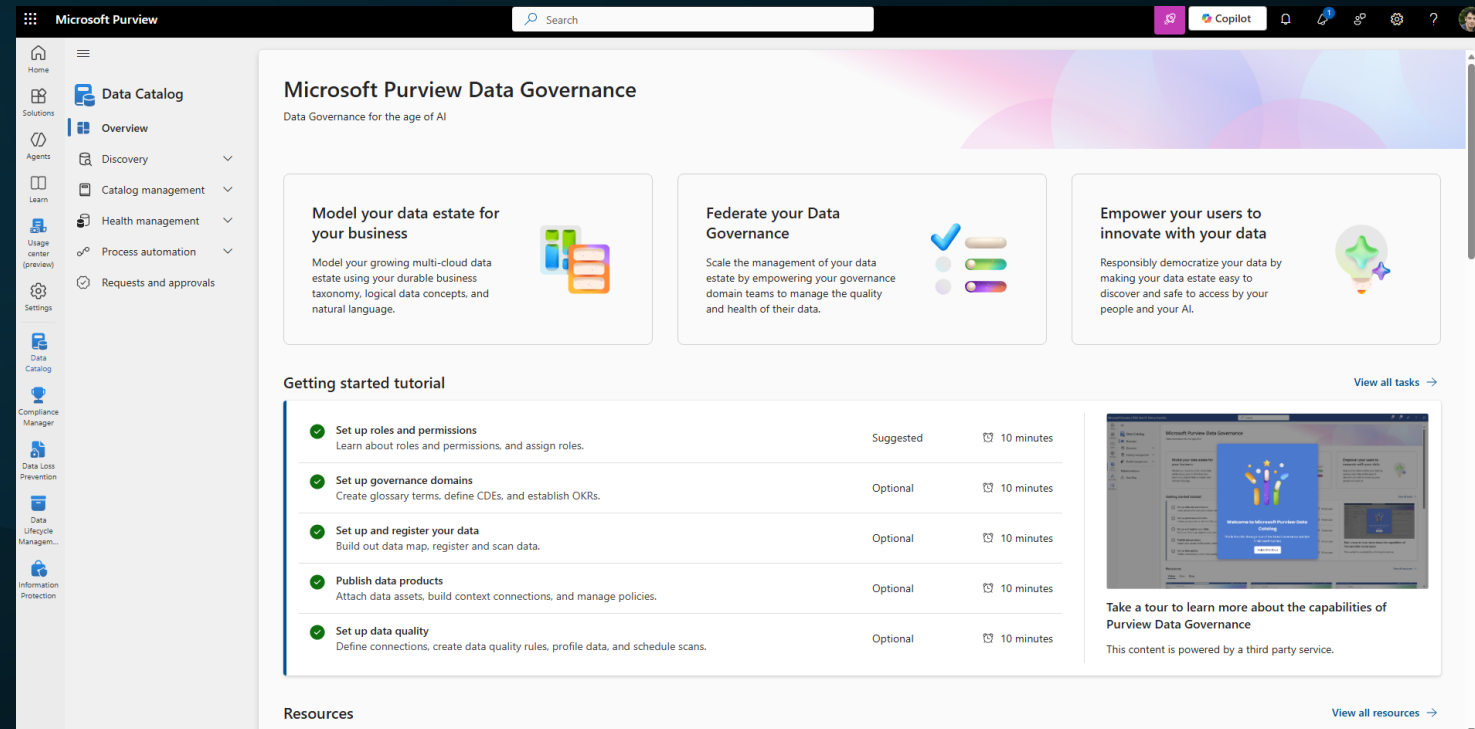
This is the heart of **data-centric security** in Purview.

Data Catalog — Discover, Register & Govern Your Data Estate

The Data Catalog enables organizations to:

- Create a searchable inventory of all data assets
- Register data sources across on-prem, Azure, AWS, GCP, and Fabric
- Build glossary terms & business taxonomies
- Automate metadata scanning
- Publish data products for analytics & AI teams
- Improve data quality and collaboration

This is Purview's main **data governance engine**.





Key Takeaways

- Microsoft Purview unifies governance, compliance, and security
- Compliance Manager helps you measure and improve regulatory alignment
- Information Protection provides end-to-end data security
- Data Catalog enables true enterprise data governance
- Purview integrates with Azure, Microsoft 365, Fabric, and third-party clouds