



# 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:

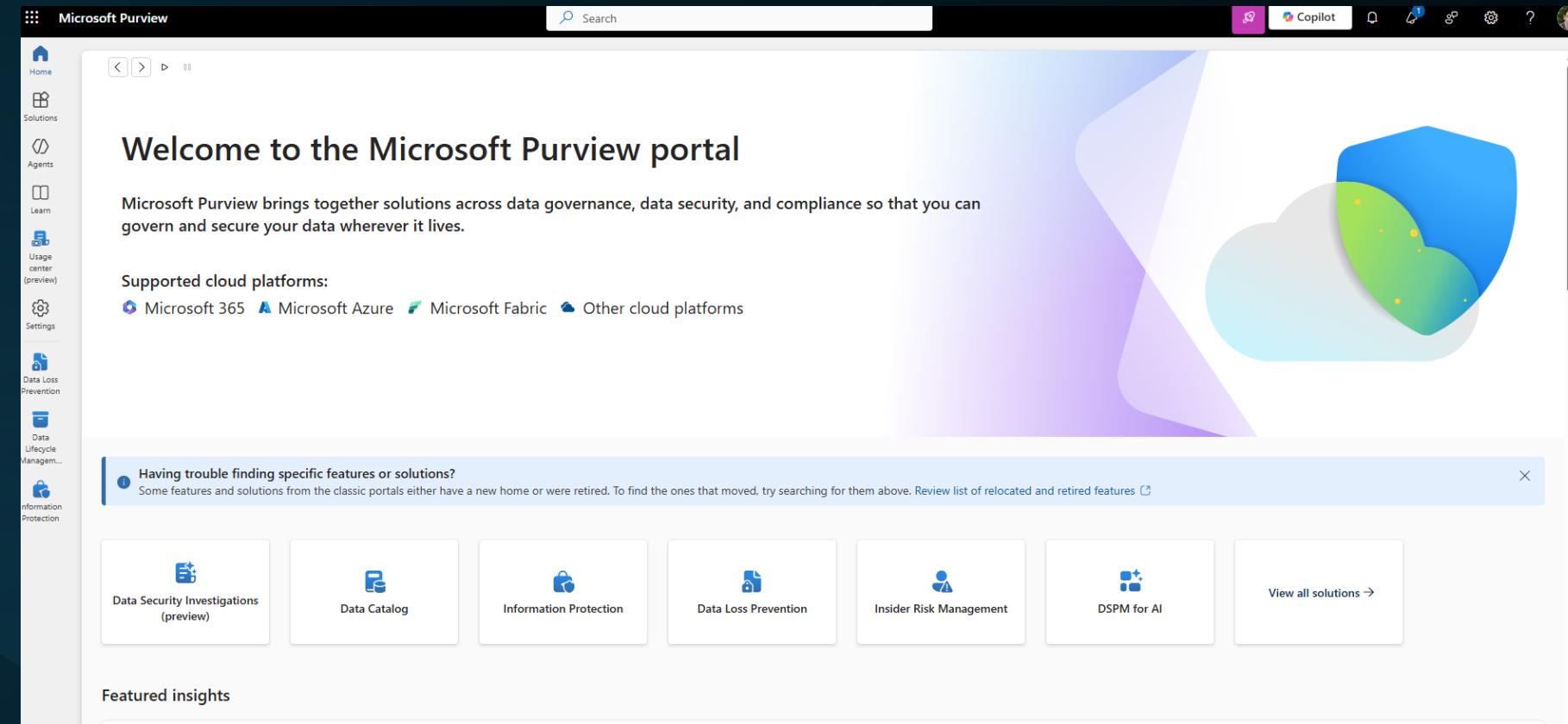
- Discover and classify data across distributed environments
- Monitor compliance posture
- Enforce policies and reduce risk
- Manage sensitive data end-to-end

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:



Welcome to the Microsoft Purview portal

Microsoft Purview brings together solutions across data governance, data security, and compliance so that you can govern and secure your data wherever it lives.

Supported cloud platforms:

- Microsoft 365
- Microsoft Azure
- Microsoft Fabric
- Other cloud platforms

Having trouble finding specific features or solutions?

Some features and solutions from the classic portals either have a new home or were retired. To find the ones that moved, try searching for them above. [Review list of relocated and retired features](#)

Featured insights

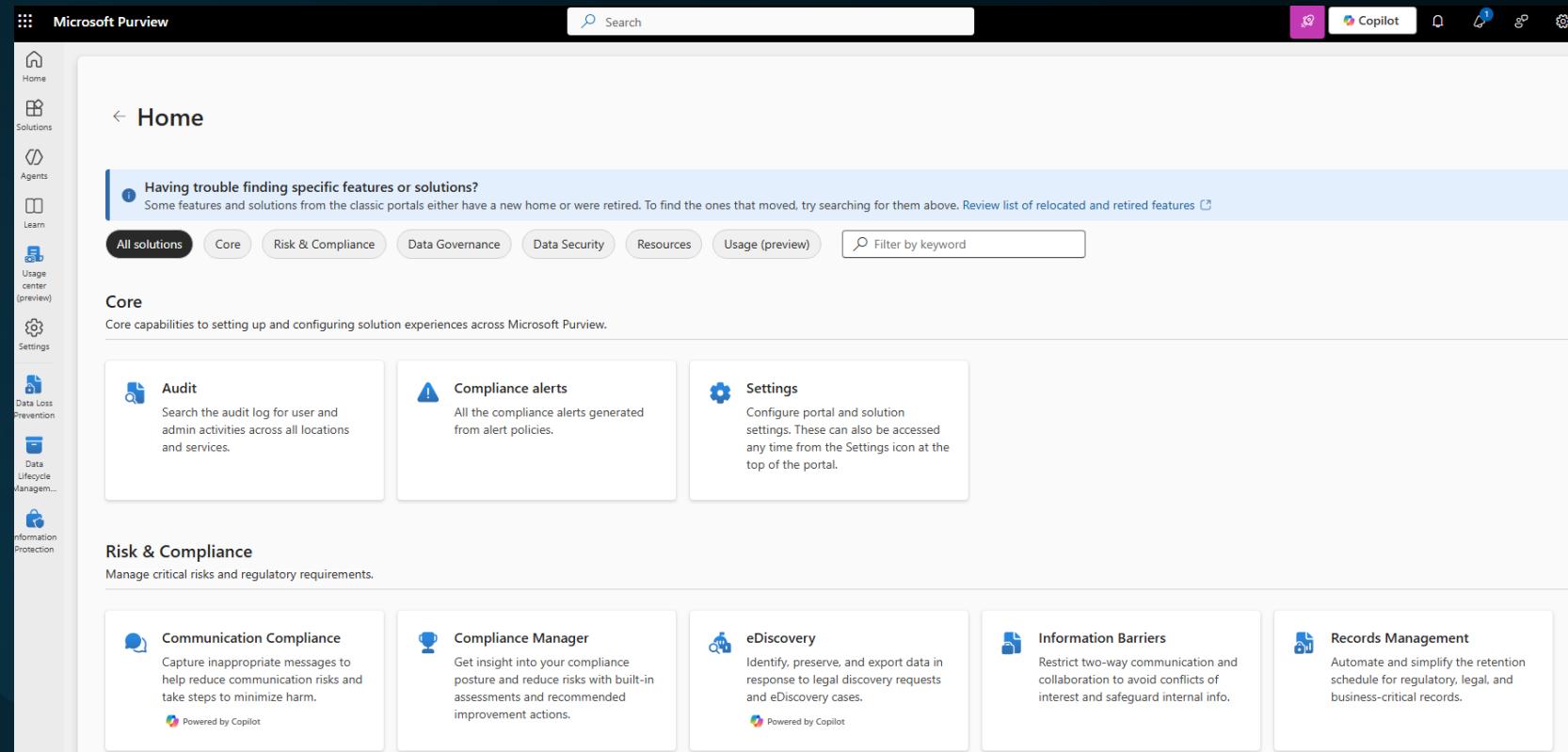
- Data Security Investigations (preview)
- Data Catalog
- Information Protection
- Data Loss Prevention
- Insider Risk Management
- DSPM for AI
- [View all solutions →](#)

<b>Data Catalog</b>	<b>Data Loss Prevention</b>
<b>Compliance Manager</b>	<b>Insider Risk Management</b>
<b>Information Protection</b>	<b>Communication Compliance</b>
<b>Data Lifecycle &amp; Records Management</b>	

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



# Purview Solutions Breakdown



The screenshot shows the Microsoft Purview Home page. The left sidebar lists various solutions: Home, Solutions, Agents, Learn, Usage center (preview), Settings, Data Loss Prevention, Data Lifecycle Management, and Information Protection. The main content area has a header with a back arrow and the word "Home". A blue banner at the top says "Having trouble finding specific features or solutions? Some features and solutions from the classic portals either have a new home or were retired. To find the ones that moved, try searching for them above. Review list of relocated and retired features." Below this is a navigation bar with "All solutions" (selected), Core, Risk & Compliance, Data Governance, Data Security, Resources, Usage (preview), and a "Filter by keyword" search bar. The "Core" section is titled "Core" and describes "Core capabilities to setting up and configuring solution experiences across Microsoft Purview." It contains three cards: "Audit" (Search the audit log for user and admin activities across all locations and services), "Compliance alerts" (All the compliance alerts generated from alert policies), and "Settings" (Configure portal and solution settings. These can also be accessed any time from the Settings icon at the top of the portal). The "Risk & Compliance" section is titled "Risk & Compliance" and describes "Manage critical risks and regulatory requirements." It contains five cards: "Communication Compliance" (Capture inappropriate messages to help reduce communication risks and take steps to minimize harm. Powered by Copilot), "Compliance Manager" (Get insight into your compliance posture and reduce risks with built-in assessments and recommended improvement actions), "eDiscovery" (Identify, preserve, and export data in response to legal discovery requests and eDiscovery cases. Powered by Copilot), "Information Barriers" (Restrict two-way communication and collaboration to avoid conflicts of interest and safeguard internal info.), and "Records Management" (Automate and simplify the retention schedule for regulatory, legal, and business-critical records).

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.

The screenshot shows the Microsoft Purview Solutions Breakdown page. The top section, 'Data Governance', includes 'Data Catalog' (find and curate data across your org with this searchable inventory of data assets and metadata) and 'Data Lifecycle Management' (manage your content lifecycle so you can keep what you need and delete what you don't). The middle section, 'Data Security', includes '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), and 'Insider Risk Management' (detect risky user activity to help quickly identify and take action on insider risks and threats, powered by Copilot). The bottom section, 'Resources', includes 'Knowledge Center' (explore learning materials such as documentation, blogs, videos, and tutorials) and 'Usage (preview)' (explore usage trends across Microsoft Purview). The 'Usage center (preview)' is also mentioned in the bottom right.

## Data Security

Protects sensitive content everywhere it lives:

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

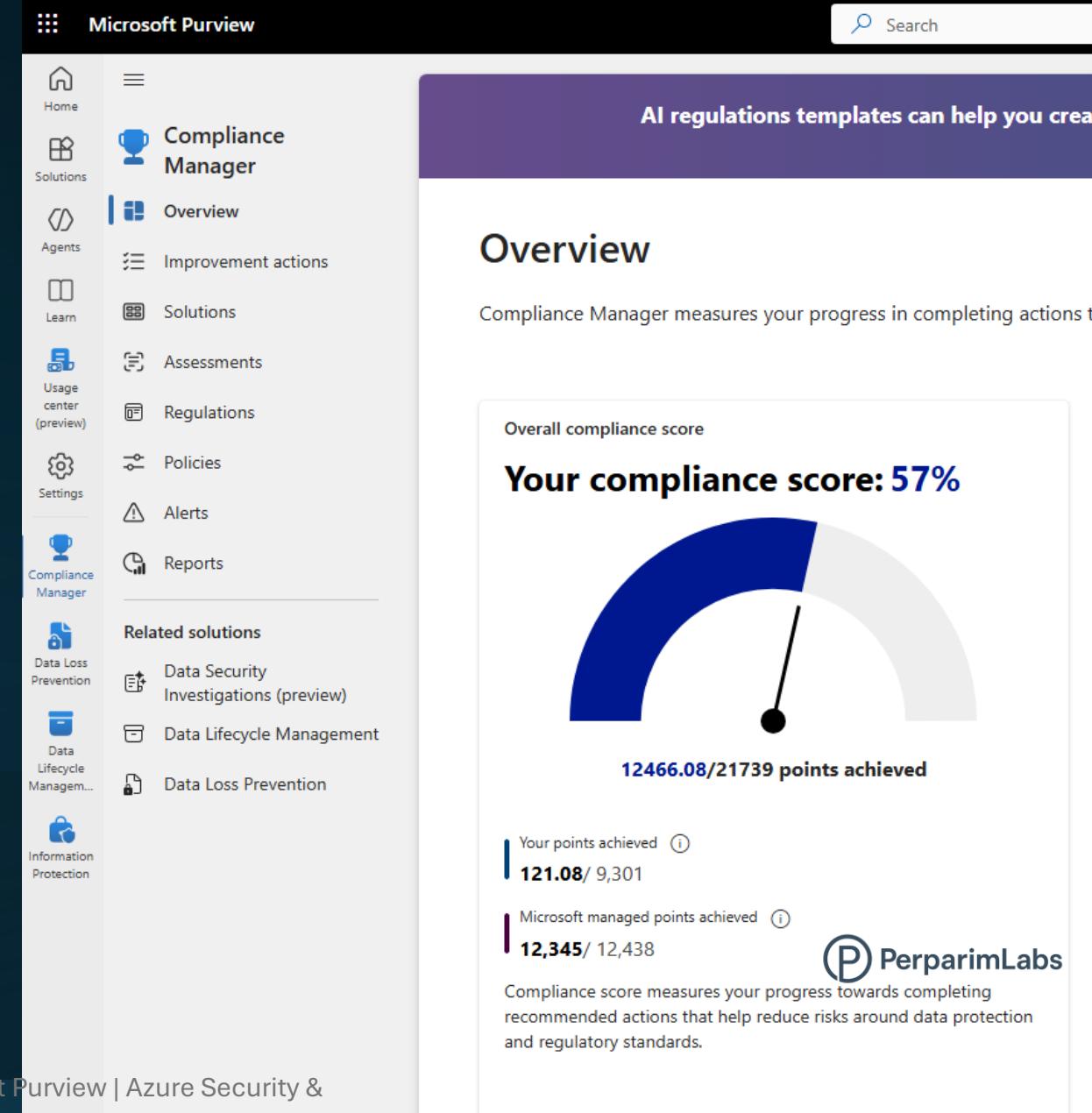
# Compliance Manager — Centralized Compliance Score

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.



The screenshot shows the Microsoft Purview Compliance Manager interface. The left sidebar includes links for Home, Solutions, Agents, Learn, Usage center (preview), Settings, and Compliance Manager. The main content area features a purple banner with the text "AI regulations templates can help you creat". Below this is a section titled "Overview" with the sub-section "Overall compliance score". A large circular gauge indicates a "Your compliance score: 57%". Below the gauge, the text "12466.08/21739 points achieved" is displayed. Further down, a section titled "Your points achieved" shows "121.08/ 9,301". Another section titled "Microsoft managed points achieved" shows "12,345/ 12,438". The bottom of the page contains the text "Compliance score measures your progress towards completing recommended actions that help reduce risks around data protection and regulatory standards." and the PerparimLabs logo.

# Compliance Assessments — Track Framework Alignment

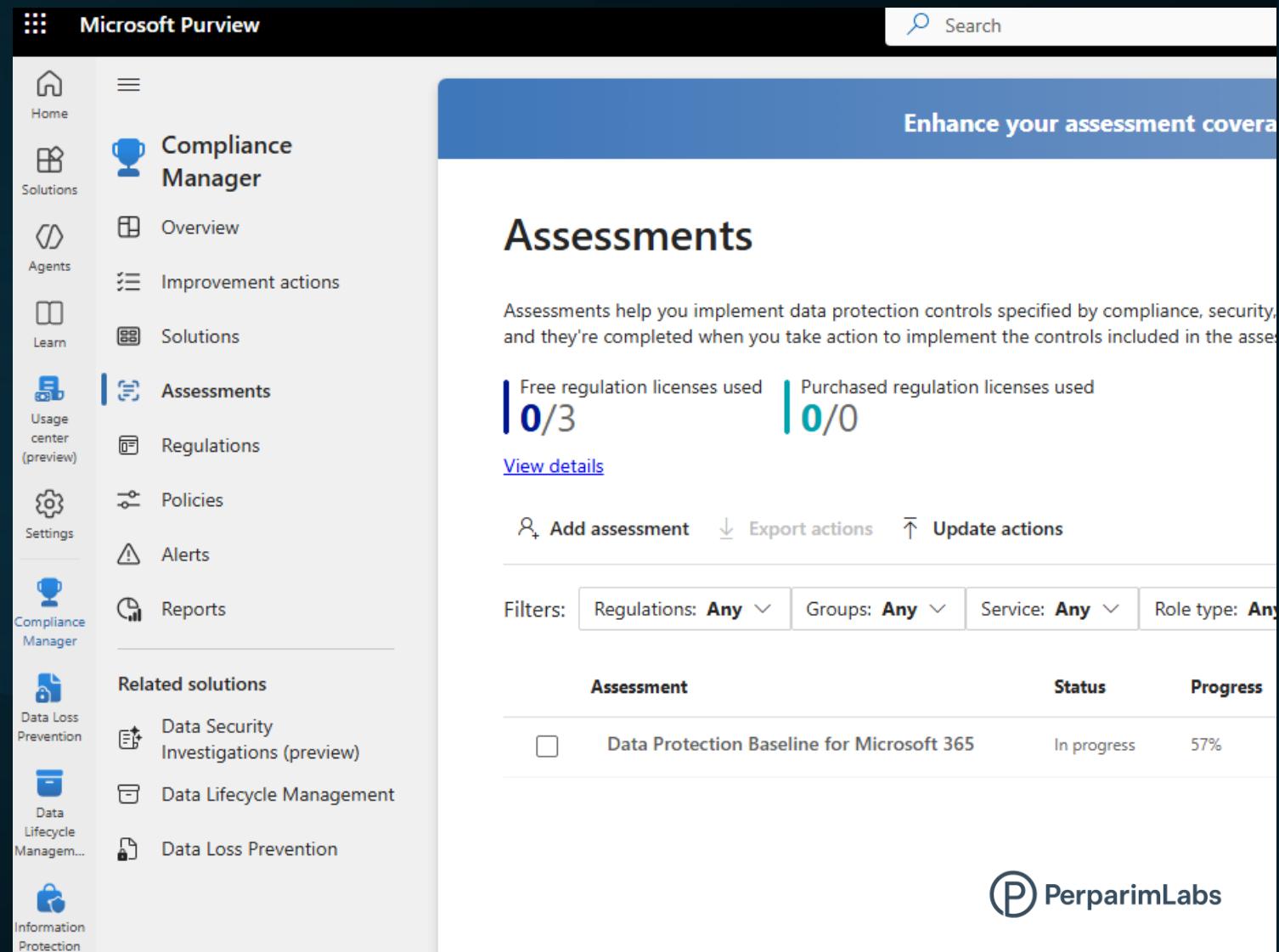
Assessments let organizations evaluate their posture against frameworks such as:

- **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 shows the Microsoft Purview Compliance Manager interface. The left sidebar has a 'Compliance Manager' section with 'Assessments' selected, showing '0/3' free regulation licenses used and '0/0' purchased regulation licenses used. Below this are buttons for 'Add assessment', 'Export actions', and 'Update actions', and filters for 'Regulations', 'Groups', 'Service', and 'Role type'. The main content area is titled 'Assessments' and contains a table with one row for the 'Data Protection Baseline for Microsoft 365', which is in progress at 57% completion.

Assessment	Status	Progress
Data Protection Baseline for Microsoft 365	In progress	57%

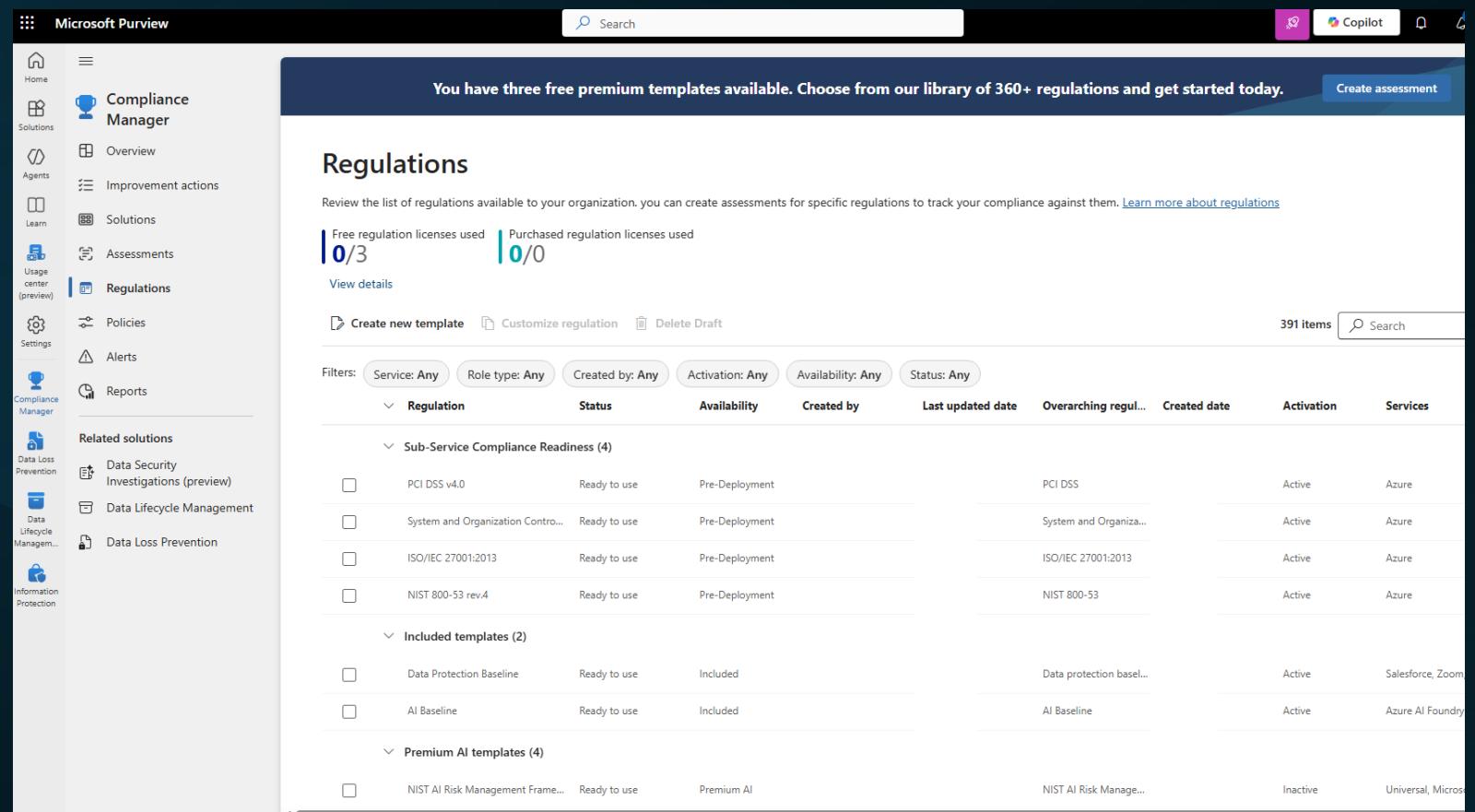
# Regulations Library — 360+ Frameworks Available

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.

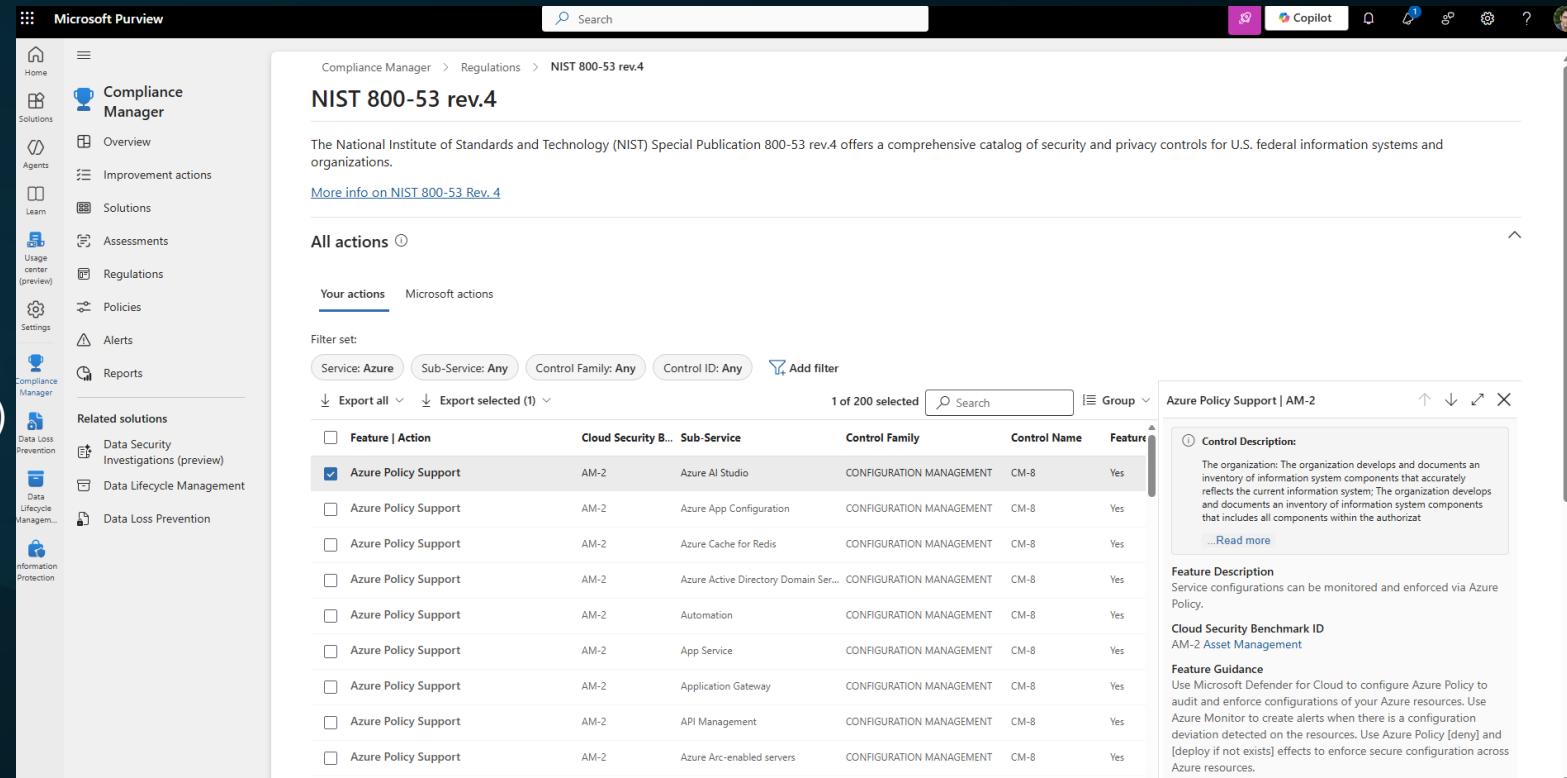


The screenshot shows the Microsoft Purview Compliance Manager interface. On the left, a sidebar menu includes 'Compliance Manager', 'Regulations' (which is selected and highlighted in blue), and 'Related solutions' (Data Loss Prevention, Data Lifecycle Management, and Information Protection). The main content area has a header: 'You have three free premium templates available. Choose from our library of 360+ regulations and get started today.' Below this is a section titled 'Regulations' with a sub-section 'Sub-Service Compliance Readiness (4)'. It lists four items: 'PCI DSS v4.0', 'System and Organization Contro...', 'ISO/IEC 27001:2013', and 'NIST 800-53 rev.4'. Each item has a checkbox, a status (Ready to use), and a 'Pre-Deployment' note. The table has columns: Regulation, Status, Availability, Created by, Last updated date, Overarching regul..., Created date, Activation, and Services. The 'Activation' column shows 'Active' for the first three and 'Inactive' for the fourth. The 'Services' column shows 'Azure' for the first three and 'Universal, Microsoft 365' for the fourth. Other sections visible include 'Included templates (2)' (Data Protection Baseline, AI Baseline) and 'Premium AI templates (4)' (NIST AI Risk Management Frame...).

# 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 shows the Microsoft Purview Compliance Manager interface. On the left, the navigation menu includes 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 "NIST 800-53 rev.4" and describes the National Institute of Standards and Technology (NIST) Special Publication 800-53 rev.4. Below this, a table lists "All actions" for "Your actions". The table columns are Feature | Action, Cloud Security B..., Sub-Service, Control Family, Control Name, and Feature. There are 200 selected items. A detailed view of the first item, "Azure Policy Support" (AM-2, Azure AI Studio, Configuration Management, CM-8, Yes), is shown on the right. The view includes sections for Control Description, Feature Description, Cloud Security Benchmark ID, and Feature 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

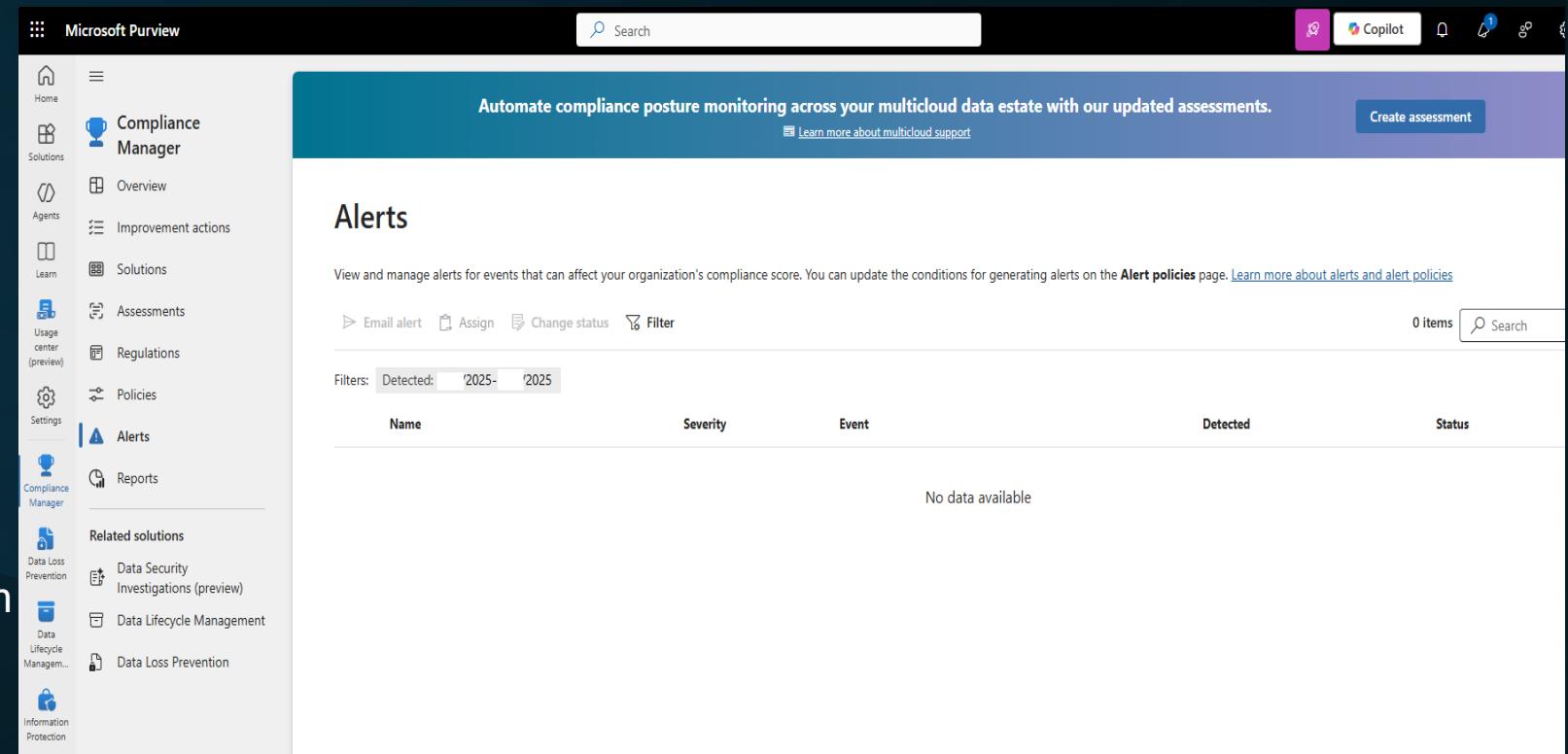
This helps compliance teams understand which technologies satisfy which regulatory requirements.

# 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.



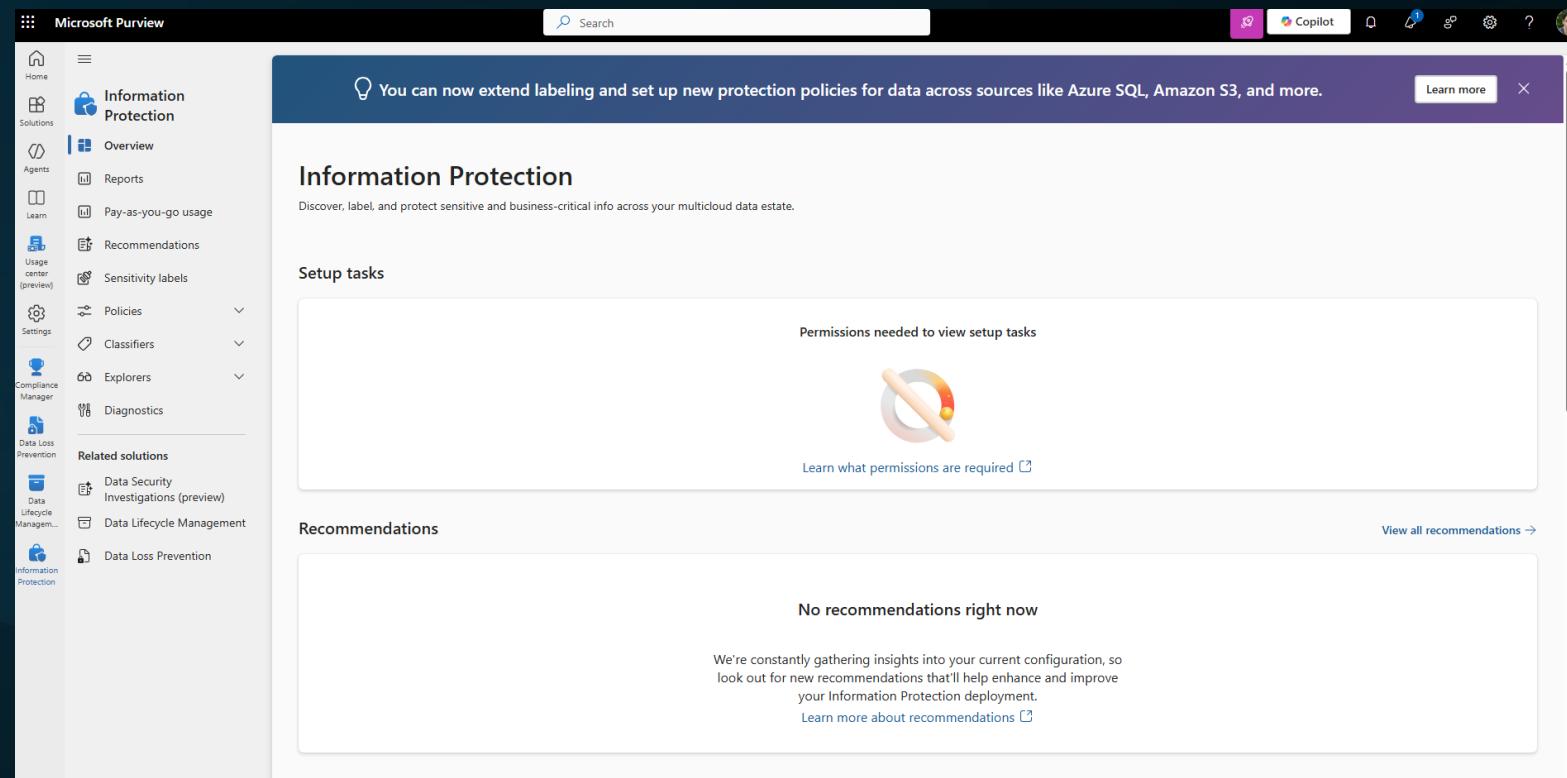
The screenshot shows the Microsoft Purview Compliance Manager Alerts page. The left sidebar includes links for Home, Solutions (Compliance Manager, Overview, Improvement actions, Solutions, Assessments, Regulations), Agents, Learn, Usage center (preview), Policies, and Settings (Alerts, Reports). The main content area features a teal banner with the text 'Automate compliance posture monitoring across your multicloud data estate with our updated assessments.' and a 'Create assessment' button. Below the banner is a section titled 'Alerts' with sub-instructions: 'View and manage alerts for events that can affect your organization's compliance score. You can update the conditions for generating alerts on the [Alert policies](#) page. [Learn more about alerts and alert policies](#)'. It includes buttons for 'Email alert', 'Assign', 'Change status', and 'Filter'. A 'Filters' section shows 'Detected: 2025-2025'. The main table has columns for Name, Severity, Event, Detected, and Status, with a note 'No data available'.



# 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.)



The screenshot shows the Microsoft Purview Information Protection interface. The left sidebar has a navigation menu with 'Information Protection' selected. The main content area has a header message: 'You can now extend labeling and set up new protection policies for data across sources like Azure SQL, Amazon S3, and more.' Below this is a 'Setup tasks' section with a placeholder for permissions and a 'Recommendations' section stating 'No recommendations right now'.

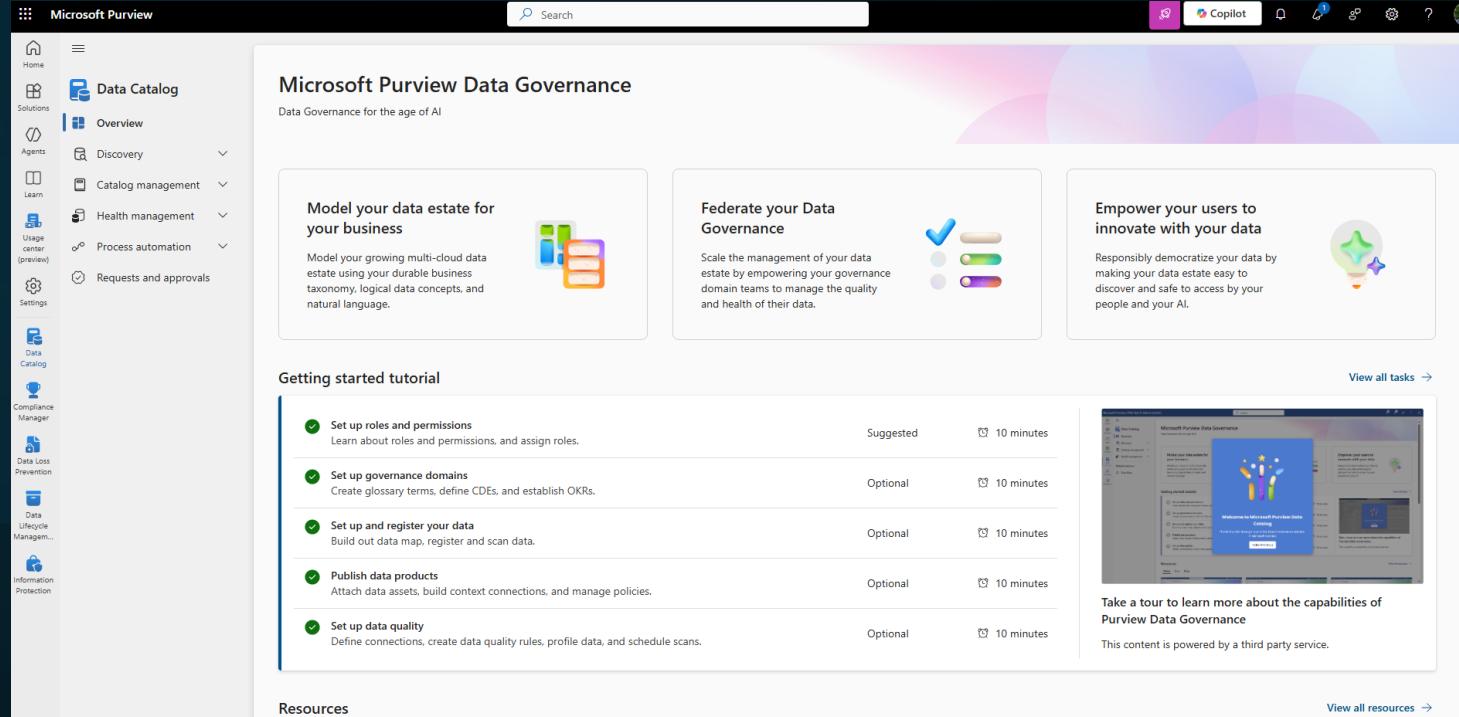
This is the heart of **data-centric security** in Purview.

 PerparimLabs

# 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



The screenshot shows the Microsoft Purview Data Governance interface. The left sidebar includes links for Home, Data Catalog (selected), Overview, Discovery, Catalog management, Health management, Process automation, Requests and approvals, Settings, Data Catalog, Compliance Manager, Data Loss Prevention, Data Lifecycle Management, and Information Protection. The main content area is titled "Microsoft Purview Data Governance: Data Governance for the age of AI". It features three main sections: "Model your data estate for your business" (with a "Model" icon), "Federate your Data Governance" (with a "Federate" icon), and "Empower your users to innovate with your data" (with an "Empower" icon). Below these is a "Getting started tutorial" section with five items: "Set up roles and permissions" (Suggested, 10 minutes), "Set up governance domains" (Optional, 10 minutes), "Set up and register your data" (Optional, 10 minutes), "Publish data products" (Optional, 10 minutes), and "Set up data quality" (Optional, 10 minutes). At the bottom, there is a "Resources" section and a "Take a tour to learn more about the capabilities of Purview Data Governance" section with a "View all resources" link.

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