

# Data Security Considerations for M365 Copilot

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Why?

Oversharing

Data Leakage

Auditing

External Threats

Internal Threats



How?

Foundational Security

Copilot Control System

SharePoint Advanced Management

Microsoft Purview

Data Security Posture Management for AI



Foundational Security

Tenant Settings

Permissions

Identity & Access Management

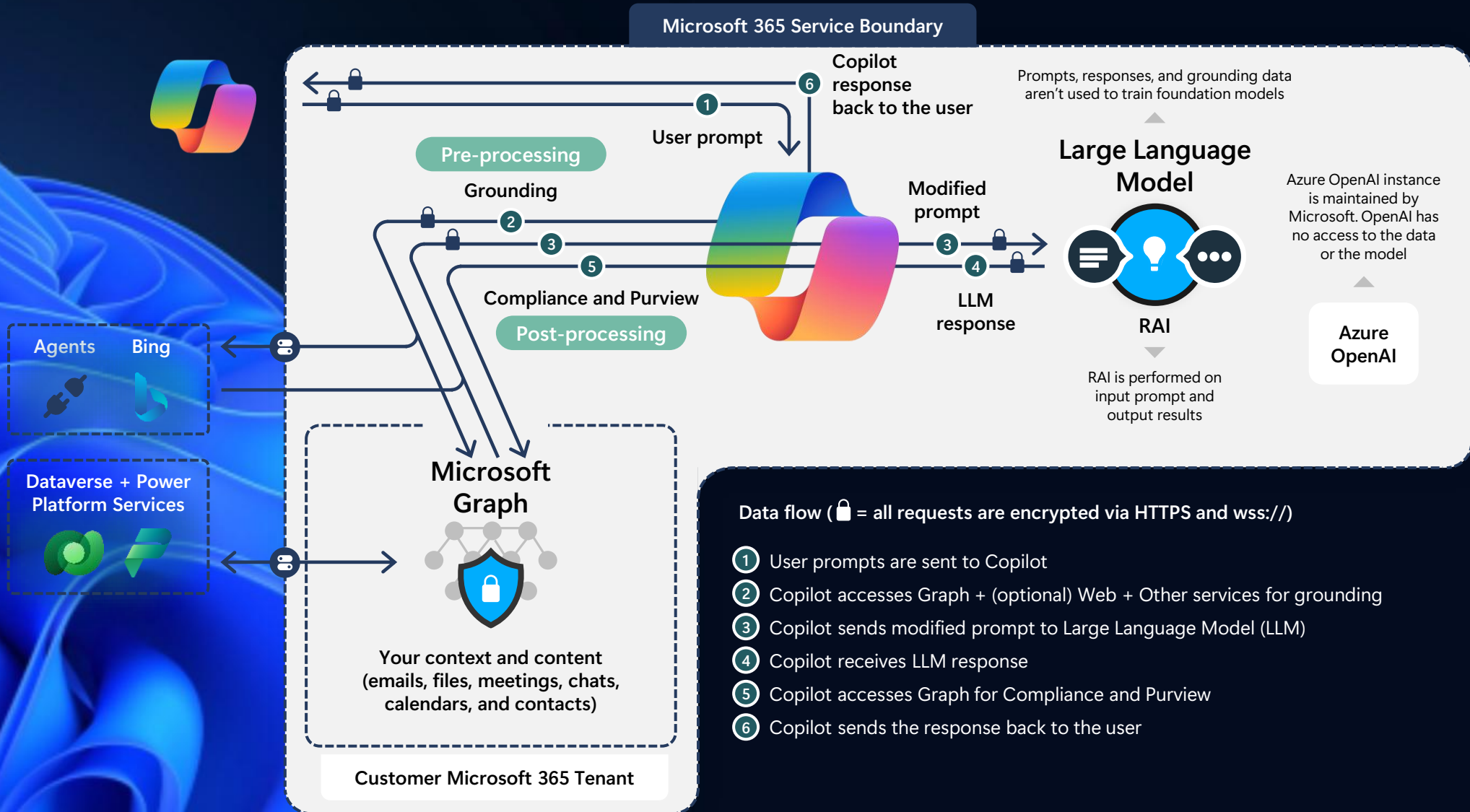
Conditional Access

Defender for X

# Introducing: Copilot Control System



# Microsoft Copilot for Microsoft 365 architecture and content retrieval



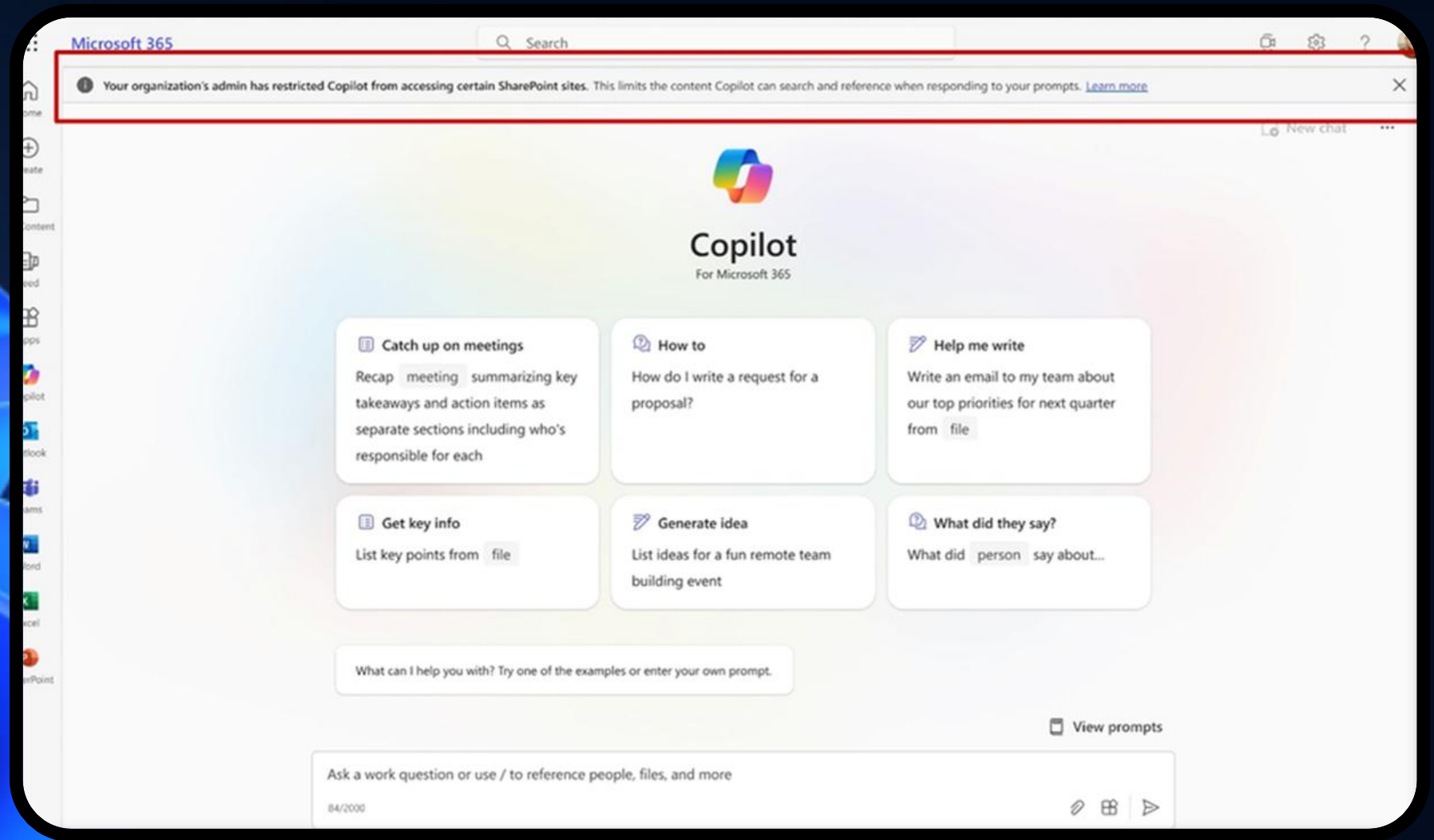
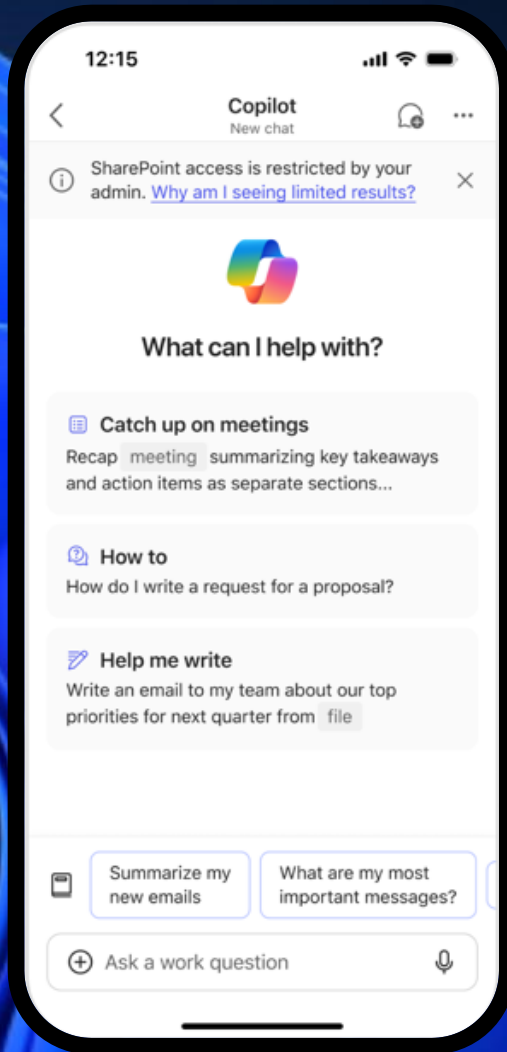
Data flow (🔒 = all requests are encrypted via HTTPS and wss://)

- 1 User prompts are sent to Copilot
- 2 Copilot accesses Graph + (optional) Web + Other services for grounding
- 3 Copilot sends modified prompt to Large Language Model (LLM)
- 4 Copilot receives LLM response
- 5 Copilot accesses Graph for Compliance and Purview
- 6 Copilot sends the response back to the user

# Enable SharePoint Restricted Search

Step	Description	Example
1	Get the current mode that is set for Restricted Search	<code>Get-SPOTenantRestrictedSearchMode</code>
2	Enable Restricted Search	<code>Set-SPOTenantRestrictedSearchMode -Mode Enabled</code>
3a	Add sites using a list	<code>Add-SPOTenantRestrictedSearchAllowedList -SitesList @("[https://contoso.sharepoint.com/sites/Marketing](https://contoso.sharepoint.com/sites/Marketing)", "[https://contoso.sharepoint.com/sites/Benefits](https://contoso.sharepoint.com/sites/Benefits)")</code>
3b	Add sites using a CSV file	<code>Add-SPOTenantRestrictedSearchAllowedList -SitesListFileUrl C:\Users\admin\Downloads\UrlList.csv</code>

# End-User Experience



# Restricted SharePoint Search – Key Takeaways



Not a “Copilot” Feature

Should only be considered if your Copilot deployment is blocked due to file oversharing concerns

**A temporary solution:** Allows full Copilot deployment, and in parallel, implementation of security controls as needed (SAM/Purview) to address oversharing concerns

Does not modify permissions or sharing controls on content

Will impact other org-wide search experiences in Microsoft 365

# SharePoint Advanced Management



**Manage  
content sprawl**



**Prevent  
oversharing**



**Control Copilot  
access to content**



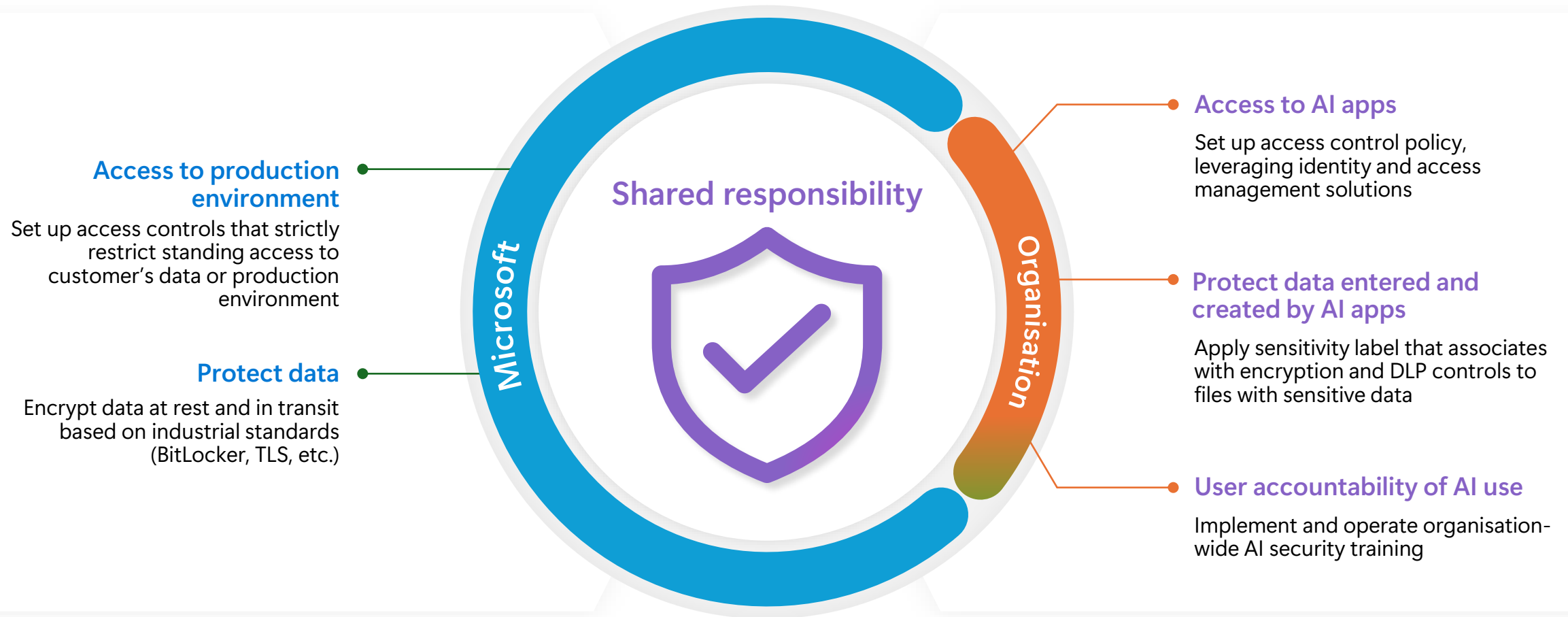
**Manage  
content lifecycle**

# Microsoft Purview



Microsoft Purview

# Shared responsibilities of security for AI usage for Microsoft 365 Copilot

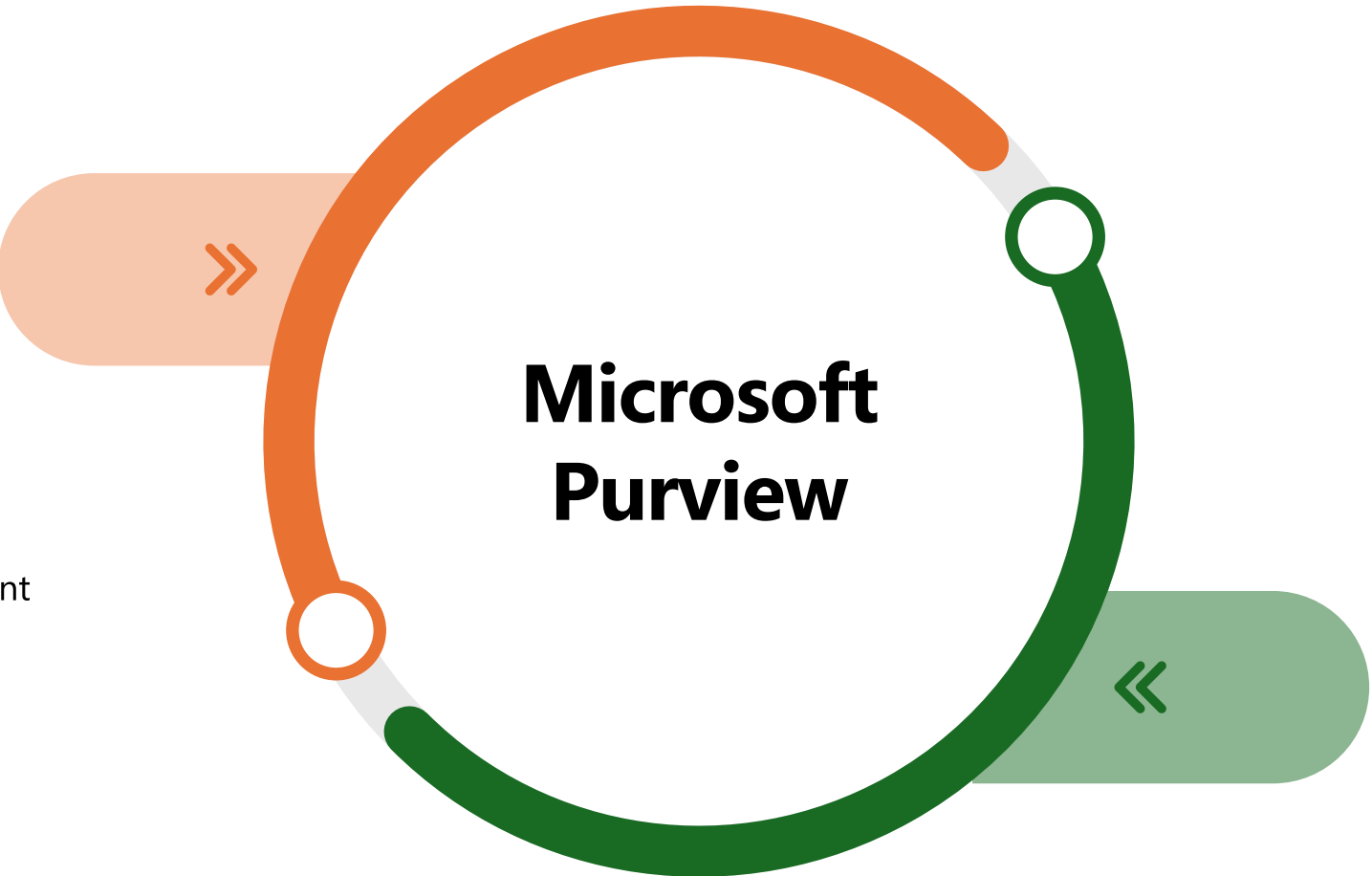


# Microsoft Purview brings together solutions from our compliance and data governance portfolios

## Risk & compliance

For risk, compliance, and legal teams

- Information Protection
- Data Loss Prevention
- Data Lifecycle Management
- Data Connectors
- Insider Risk Management
- eDiscovery
- Audit
- Records Management
- Communication Compliance
- Compliance Manager



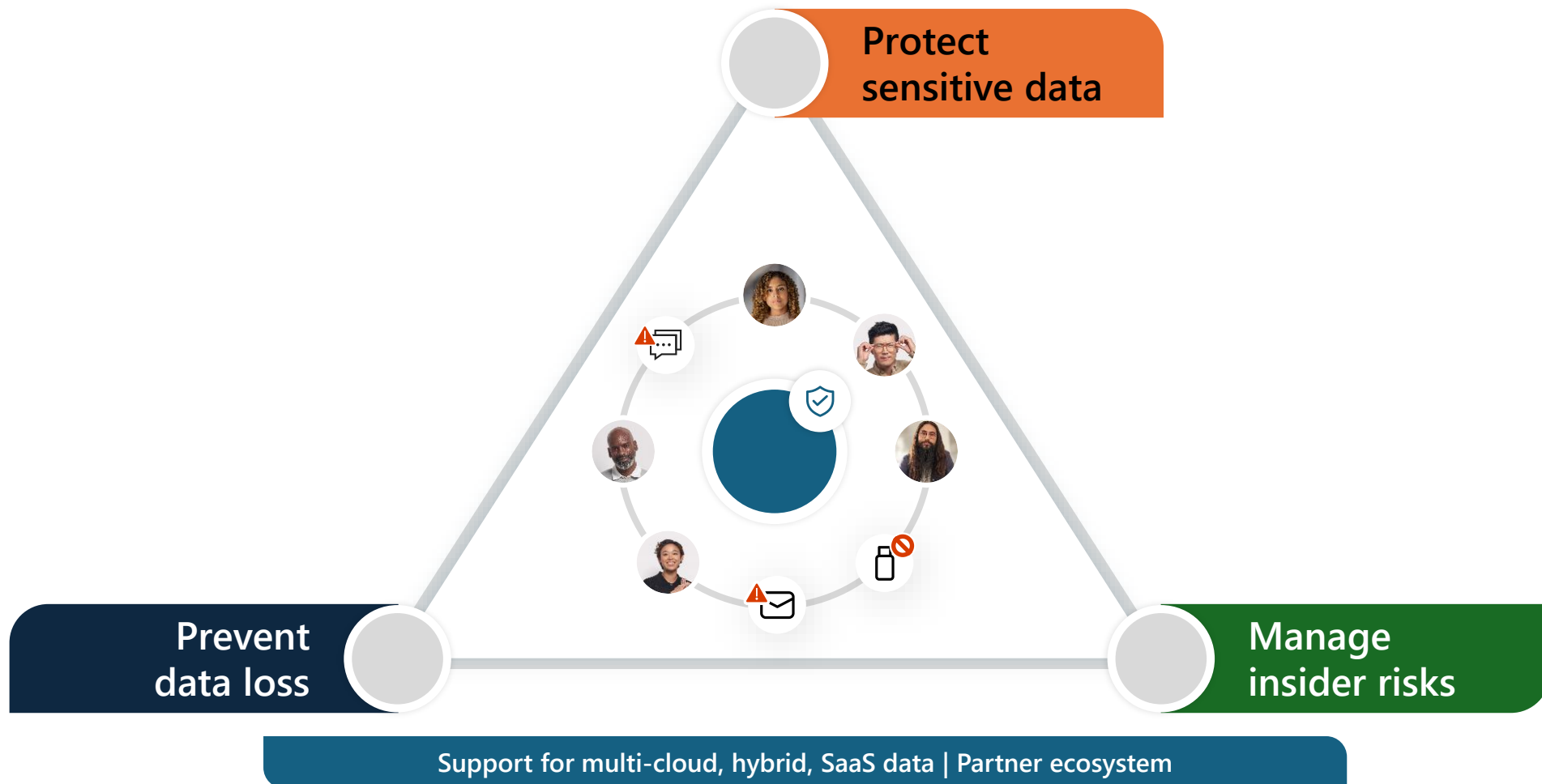
**Microsoft Purview**

- Data Map
- Data Catalog
- Data Estate Insights

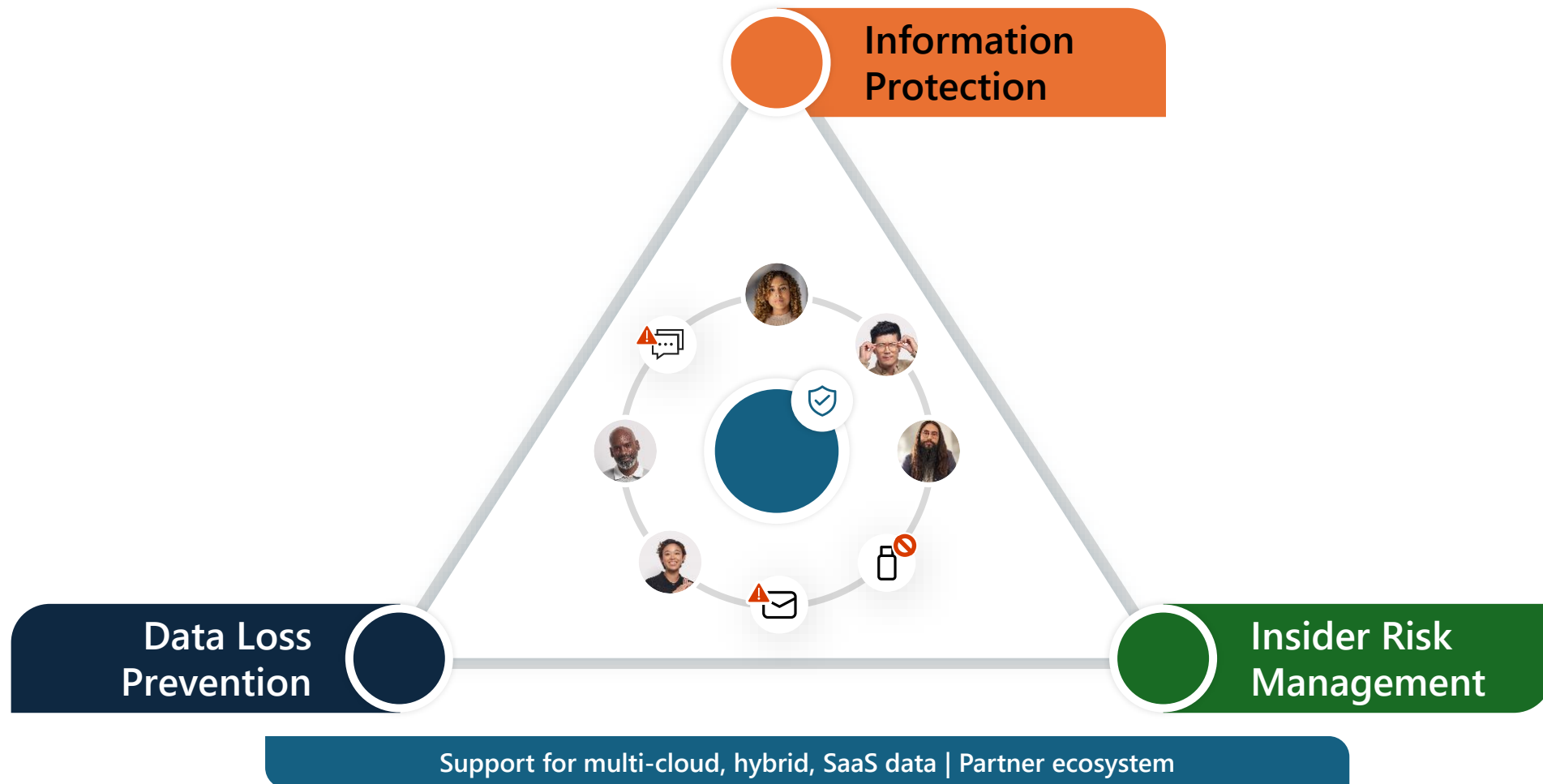
## Unified data governance

For data consumers, data engineers, data officers

# Microsoft's approach to data security



# Fortify data security with Microsoft Purview



# Fortify data security with Microsoft Purview



## Information Protection

- Discover, classify, and protect data at scale, using automation and ML
- Productivity tools with built-in **user-selectable sensitivity labels** for precise controls
- Data is **protected (encrypted) across environments**, throughout its lifecycle



## Insider Risk Management

- Leverage **analytics, machine learning, sequencing** to understand user context and intent
- Investigate potential incidents with **curated, high-quality, and enriched** alerts and evidence
- Ensure user privacy while identifying **highest risk users**



## Data Loss Prevention

- **Prevent unauthorized use**, like improperly saving, storing or printing sensitive data
- Create, deploy, and manage DLP policies **across all cloud, apps, and devices from a single location**
- Leverage data classification, labeling, and user **insights to finetune and adapt DLP policies**

## Adaptive Protection

Dynamically adjust data security controls based on user risk level

# Adaptive Protection in Microsoft Purview

Optimize data security automatically

## Context-aware detection

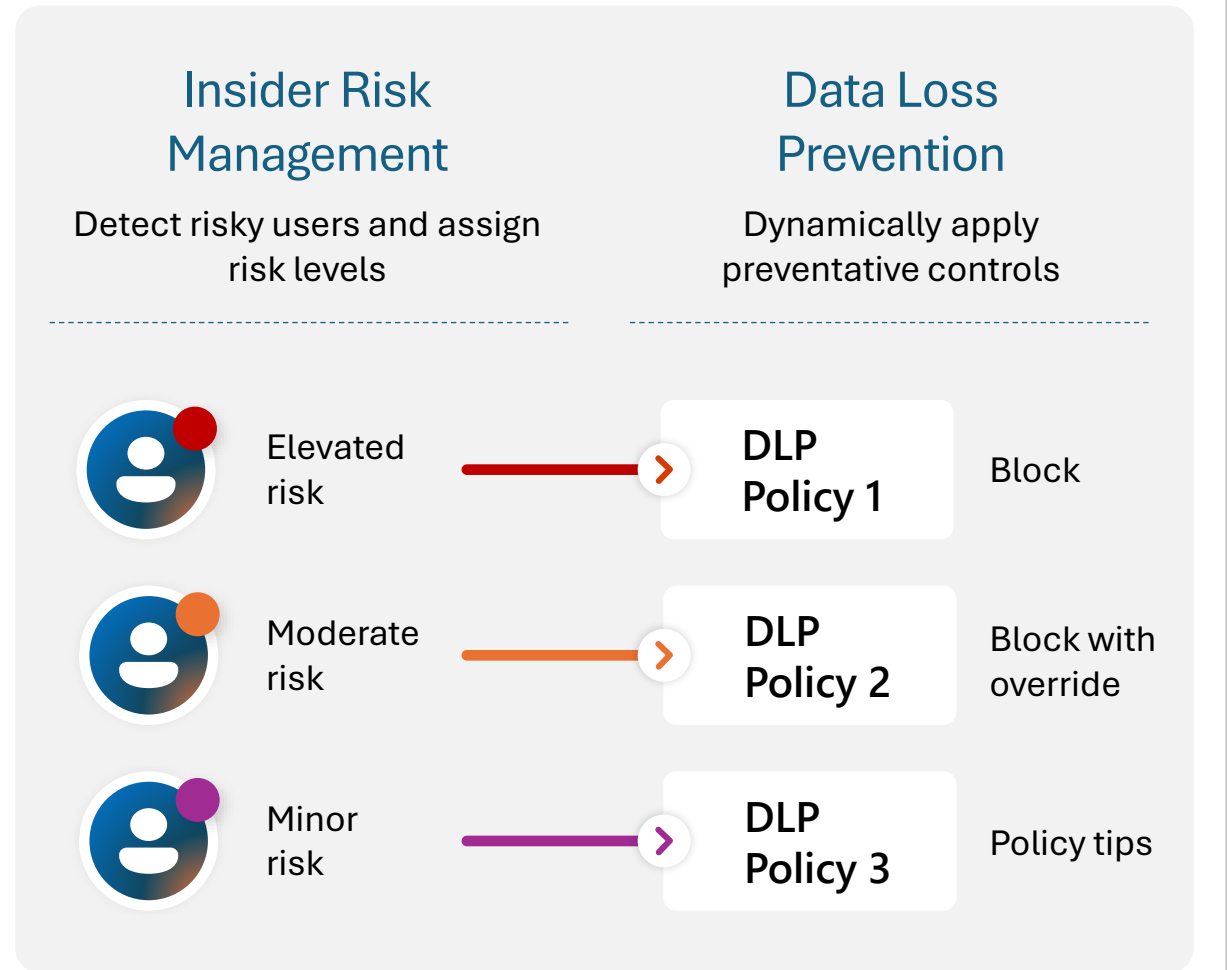
Identify the most critical risks with ML-driven analysis of both content and user activities

## Dynamic controls

Enforce effective controls on high-risk users while others maintain productivity

## Automated mitigation

Minimize the impact of potential data security incidents and reduce admin overhead

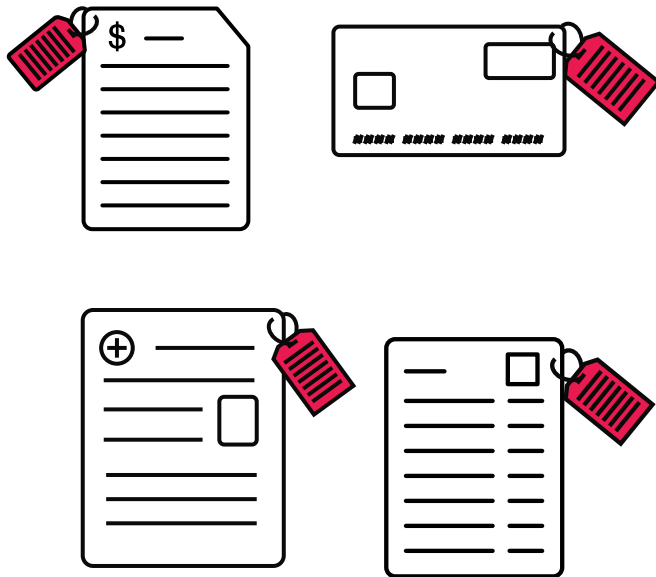


# Integrated insights and alerting

Enrich policy and investigation with rich signals

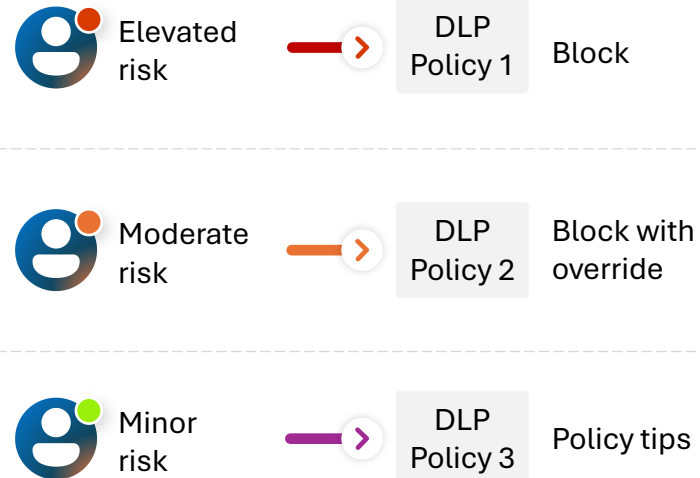
## Know the context

Leverage classification and labeling on sensitive data from Information Protection



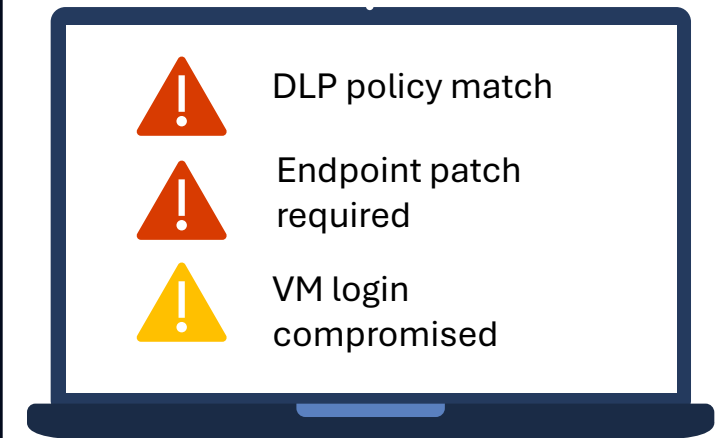
## Understand the intent

Automatically apply risk insights from Insider Risk Management to DLP policies

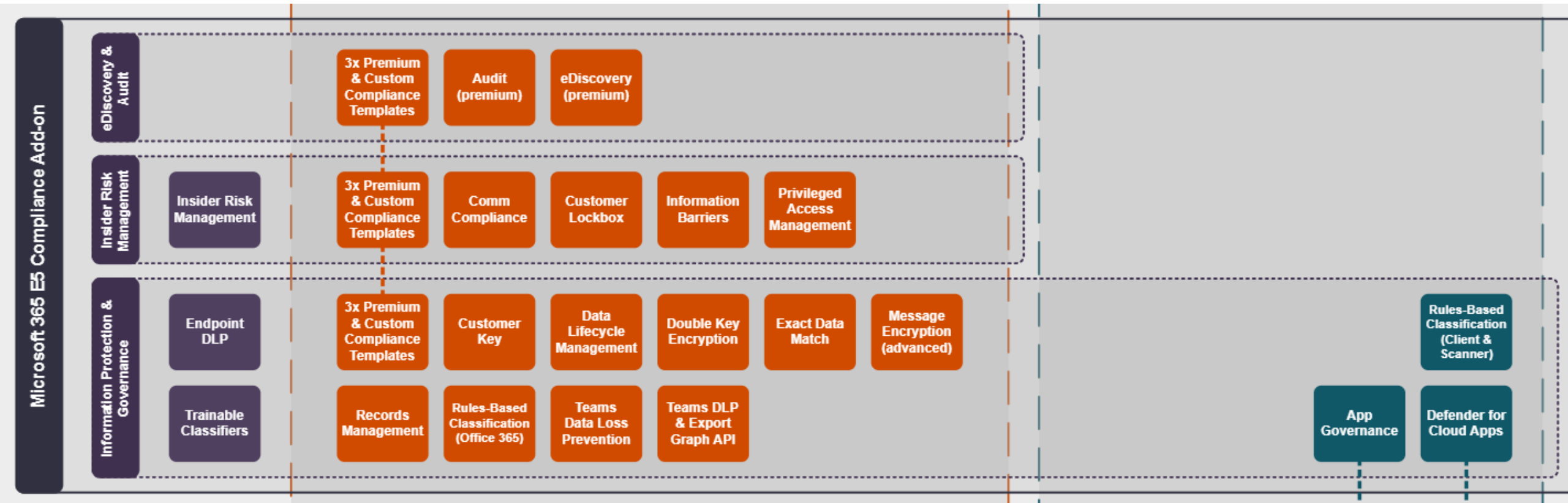


## Integrate alert investigation

Integrate DLP alerts with Microsoft Defender XDR and Sentinel for richer investigation experience



# Purview Licensing



## Information Protection and Governance (\$13pupm)

Adds the additional features below to Microsoft 365 Business Premium:

- › **\*Microsoft Defender for Cloud Apps** helps you discover SaaS apps and protect users from accessing risky apps
- › **Communications DLP (Teams chat)** blocks sensitive content when shared with Teams users
- › **Endpoint DLP** prevents data leak of sensitive items physical stored on Windows 10/11 and MacOS devices
- › **Automatic sensitivity labels (client side)** automatically discover, classify, label and protect sensitive data
- › **Machine Learning-Based sensitivity Labels** use trainable classifiers to identify items and apply labels
- › **Records management** helps manages businesses legal obligations
- › **Advanced Message Encryption** helps control sensitive emails shared outside the organisation

## Insider Risk Management (\$10pupm)

Adds the additional features below to Microsoft 365 Business Premium:

- › **Insider risk management** helps minimize internal risks by responding to malicious activities
- › **Communication compliance** helps detect business code of conduct violations

## eDiscovery and Audit (\$10pupm)

Adds the additional features below to Microsoft 365 Business Premium:

- › **eDiscovery (Premium)** with end-to-end workflow for managing eDiscovery cases and investigations
- › **Audit (Premium)** with longer record retention and intelligent insights policies



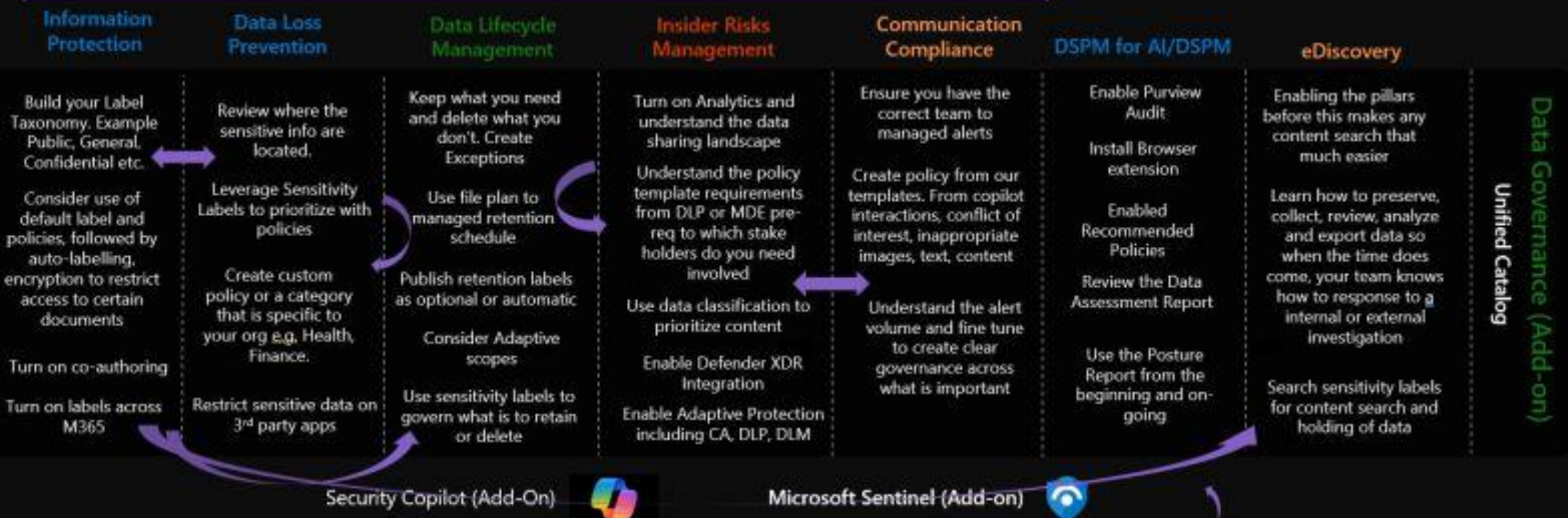
# Microsoft Purview Deployment Card

Microsoft's Data Security Platform



## Data Security Posture Management for AI & (DSPM) Microsoft 365

Use the Posture Report from the beginning



Enable Audit Log Products like IRM, eDiscovery, Comm Compliance depend on Audit Log including Copilot Interaction logs

Not Official Document-  
Developed by Ray Reyes  
Updated 9th Feb 2025



# Credentials

## Applied Skills

[Microsoft Applied Skills: Prepare security and compliance to support Microsoft 365 Copilot](#)

[Microsoft Applied Skills: Implement information protection and data loss prevention by using Microsoft Purview](#)

[Microsoft Applied Skills: Implement retention, eDiscovery, and Communication Compliance in Microsoft Purview](#)

## Certifications

[Microsoft Certified: Information Protection and Compliance Administrator Associate](#)

[Microsoft Certified: Information Security Administrator Associate \(beta\)](#)