

Microsoft Purview Insider Risk Management

Intelligently detect and mitigate critical risks

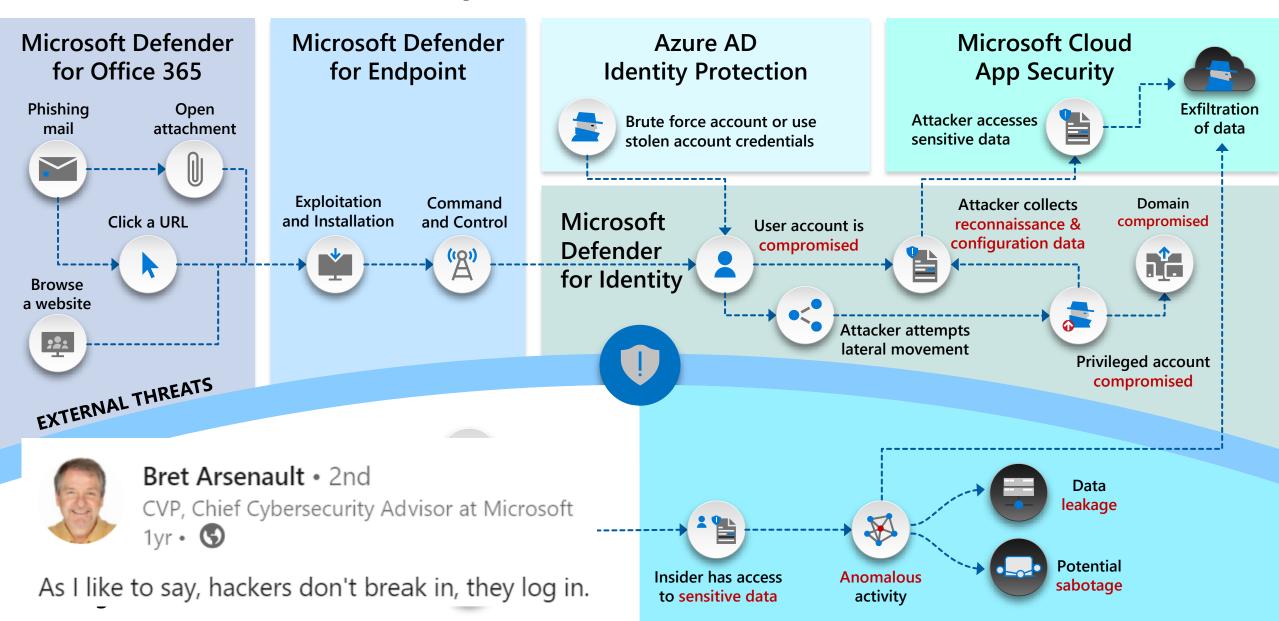


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Internal and external protection across the threat kill chain



Microsoft Purview Data Loss Prevention

Prevent accidental or unauthorized sharing of sensitive data









Microsoft 365

Cloud DLP – Service based

Endpoint

Endpoint – Platform based

Non-Microsoft apps

3rd party API based

On-premises
On-prem service

Data in use

Data in motion

Data at rest

Guided onboarding

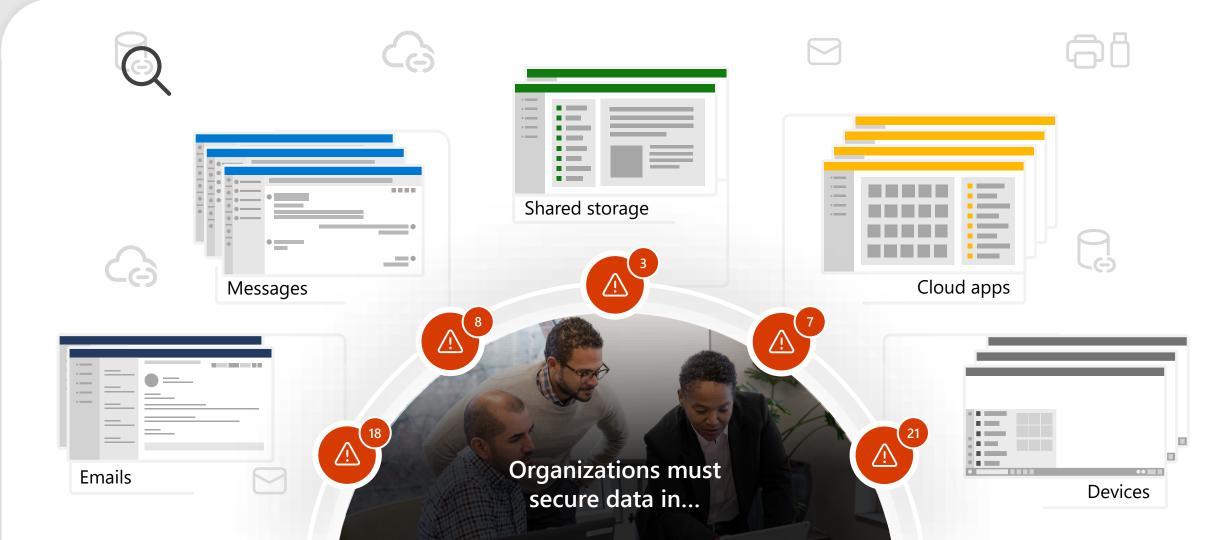
Unified & flexible policy management

Integrated with Microsoft Purview Information Protection

Unified alerting & remediation

Agentless and integrated within end user experiences

Why is this so challenging?



Fortify data security with an integrated approach



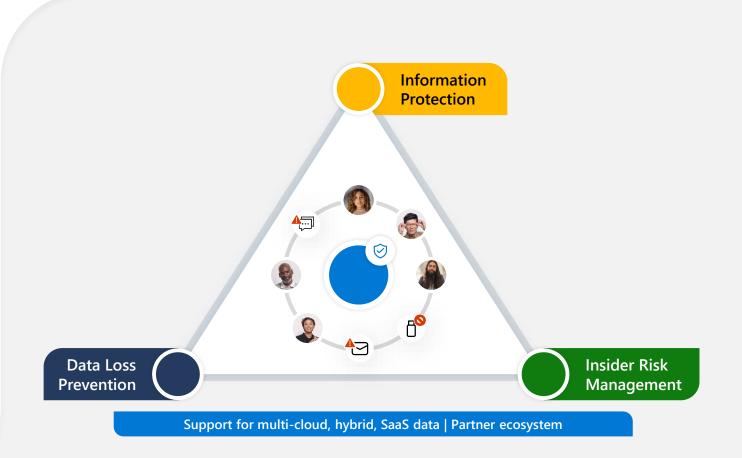
Discover and auto-classify data and prevent it from unauthorized use across apps, services, and devices



Understand the user intent and context around sensitive data to identify the most critical risks



Enable Adaptive Protection to assign appropriate DLP policies to high-risk users



Best-in-class classification technologies

Sensitive info types



300+ out of the box info types like SSN, CCN Clone, edit, or create your own Supports regex, keywords, and dictionaries

Named entities

info types



50+ entities covering person name, medical terms, and drug names Best used in combination with other sensitive

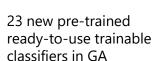
Exact data match



Provides a lookup to exactly match content with unique customer data Supports 100m rows and multiple lookup fields

AVAILABLE TODAY





15 more in product preview Create your own classifier based on business data

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Credentials SITs



authentication credential types Use in auto-labeling and DLP policies to detect sensitive credentials in files

42 new SITs for digital

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Context-based classification



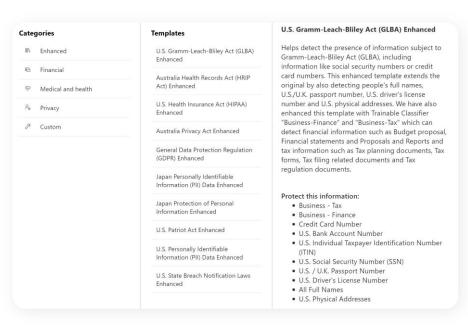
Service-side auto-labeling ODSP default site label

- File extension
- Document name contains word
- · Document property is
- Document size greater than
- Document created by

ROADMAP ITEM

Templates

- Provide pre-defined policies that use available classifiers
- Cover multiple industry and geographical regulatory requirements
- Easily customizable, can be edited to meet customer needs
- Get started easily with simulations, rerun as needed to fine tune



Sensitivity labels span your entire data estate

- They are a representation of your information taxonomy.
- They describe the priority assigned to your categories of sensitive information.



Content labels



Applied To: Office apps, Power BI reports, Azure Data

Protections: Encryption and visual markings

Automation: Can be applied either manually by users or automatically based on classification

Container labels



Applied To: SharePoint sites, Teams channels, Microsoft 365 groups

Protections: Access control, privacy settings, conditional access

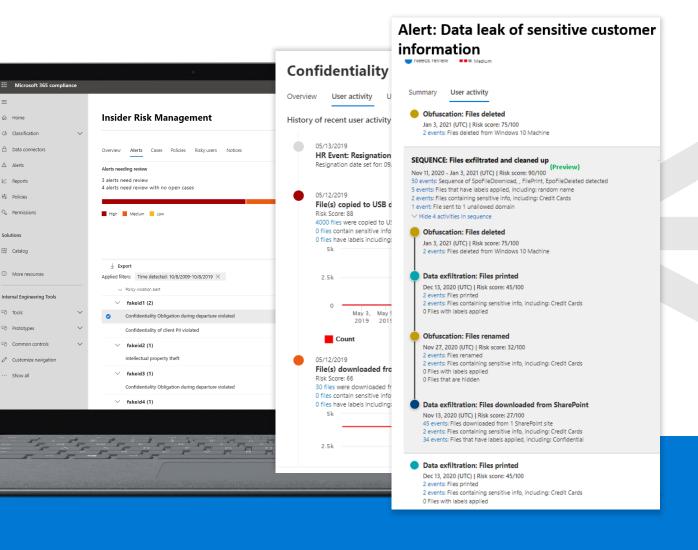
Automation: Can be applied manually by site/Team or group owners

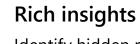
Powerful controls that ensure labels are applied where needed

Apply labels by default, make them mandatory, prevent label downgrades

Insider Risk Management

Microsoft helps you quickly identify and act on insider risks with an integrated end-to-end approach





Identify hidden risks with customizable ML templates requiring no endpoint agents.



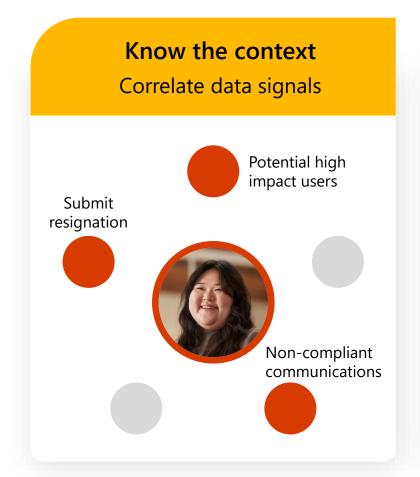
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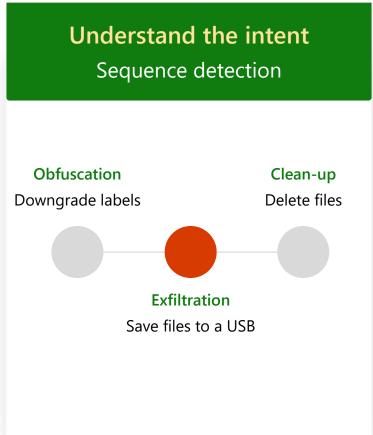
Pseudonymization and strong controls help appropriately manage data about risks.

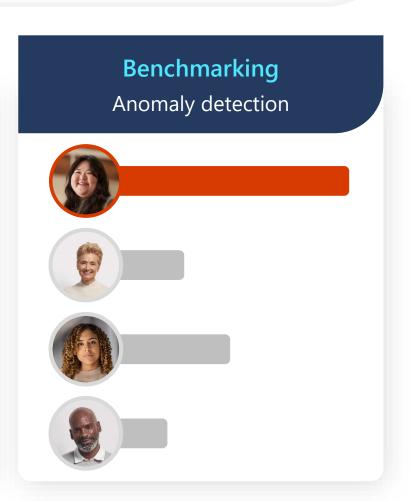


Integrated investigation workflows allow for collaboration across Security, HR, and Legal.

Leveraging machine learning to identify the most critical insider risks among noisy signals







Protect user trust with privacy built in

User privacy is maintained every step of the way

Pseudonymization

Prevent bias by removing identifiable user details, on by default



Role-based access controls

Only authorized admins can access alerts and insights



Opt-in

Admin explicitly optsin users to enable policies, with all indicators off by default



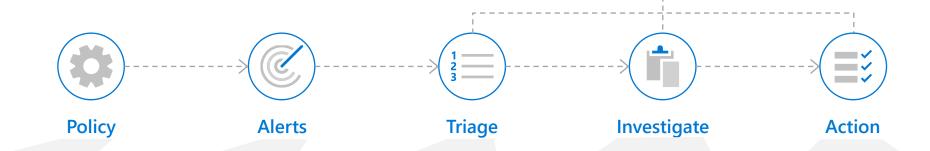
Audit logs

Every action – from policy configuration to remediation actions is logged in audit reports



Key workflow and solution elements





Policy

Insider risk management policies are created using predefined templates and policy conditions that define what risk indicators are examined in Microsoft 365 feature areas

Alerts

Alerts are automatically generated by risk indicators that match policy conditions and are displayed in the Alerts dashboard

Triage

New activities that need investigation automatically generate alerts that are assigned a Needs review status. Reviewers can quickly identify these alerts and scroll through each to evaluate and triage

Investigate

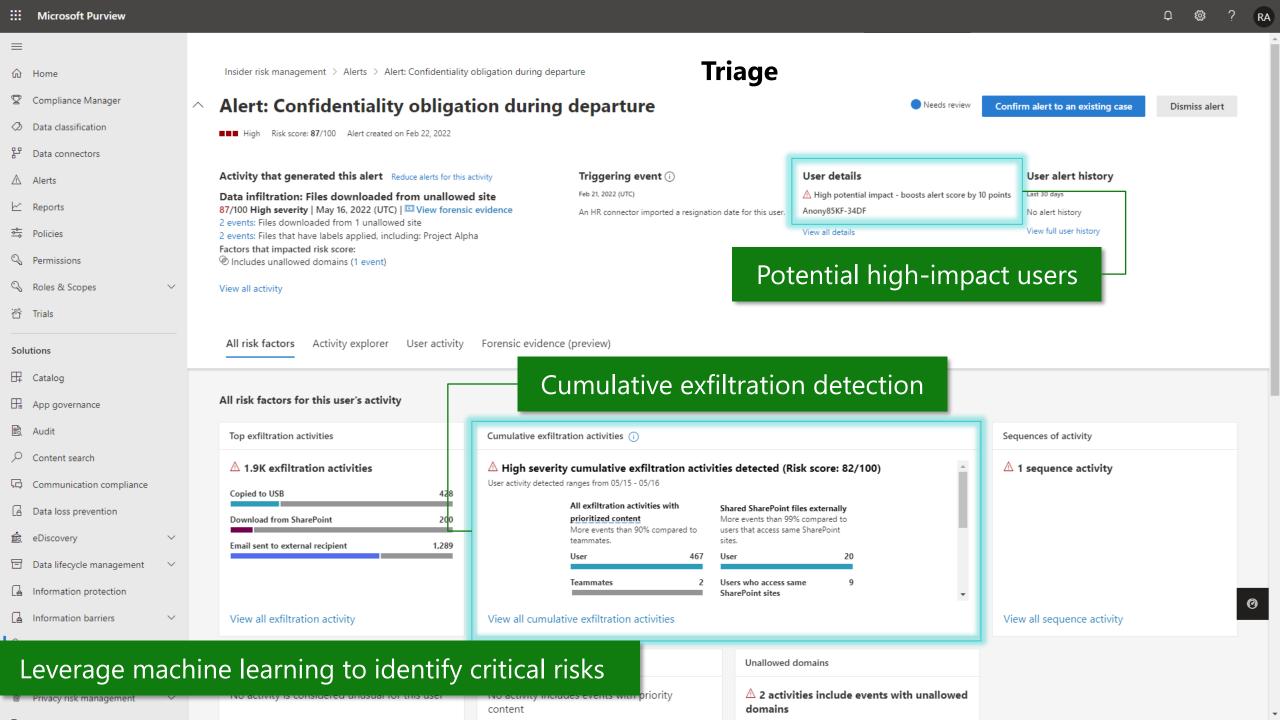
Insider risk case

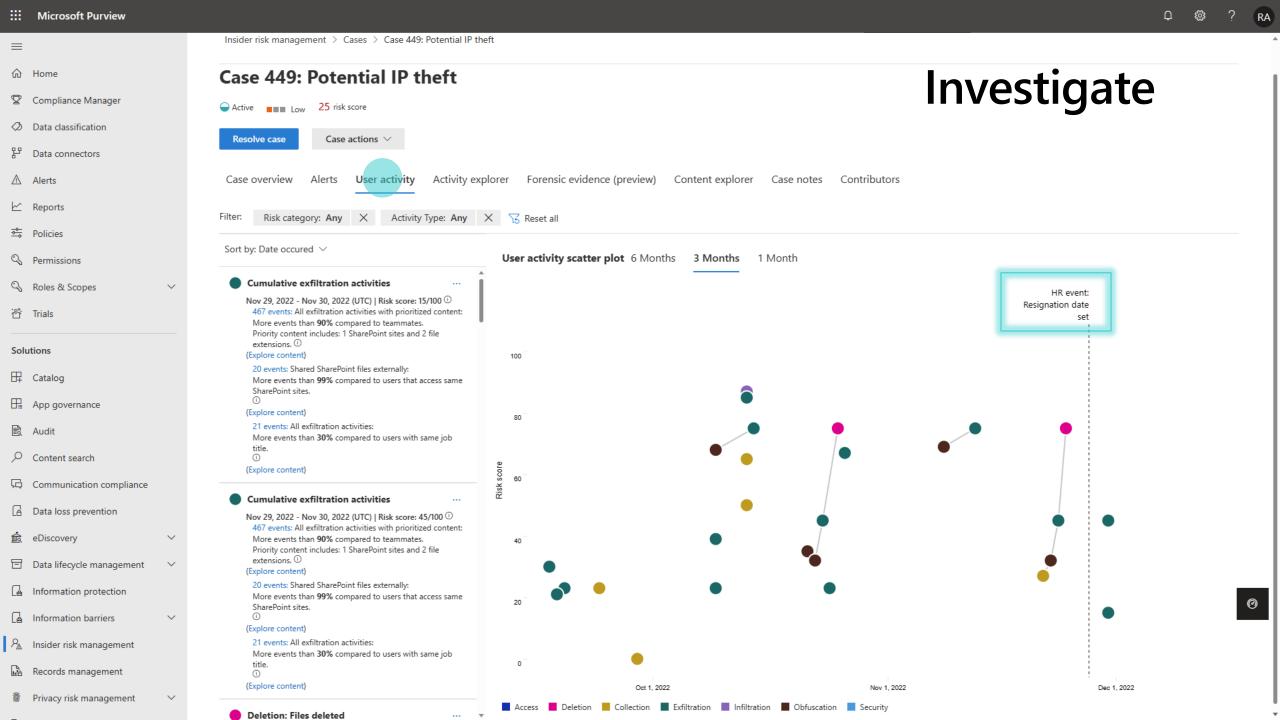
Cases are created for alerts that require deeper review and investigation of the details and circumstances around the policy match

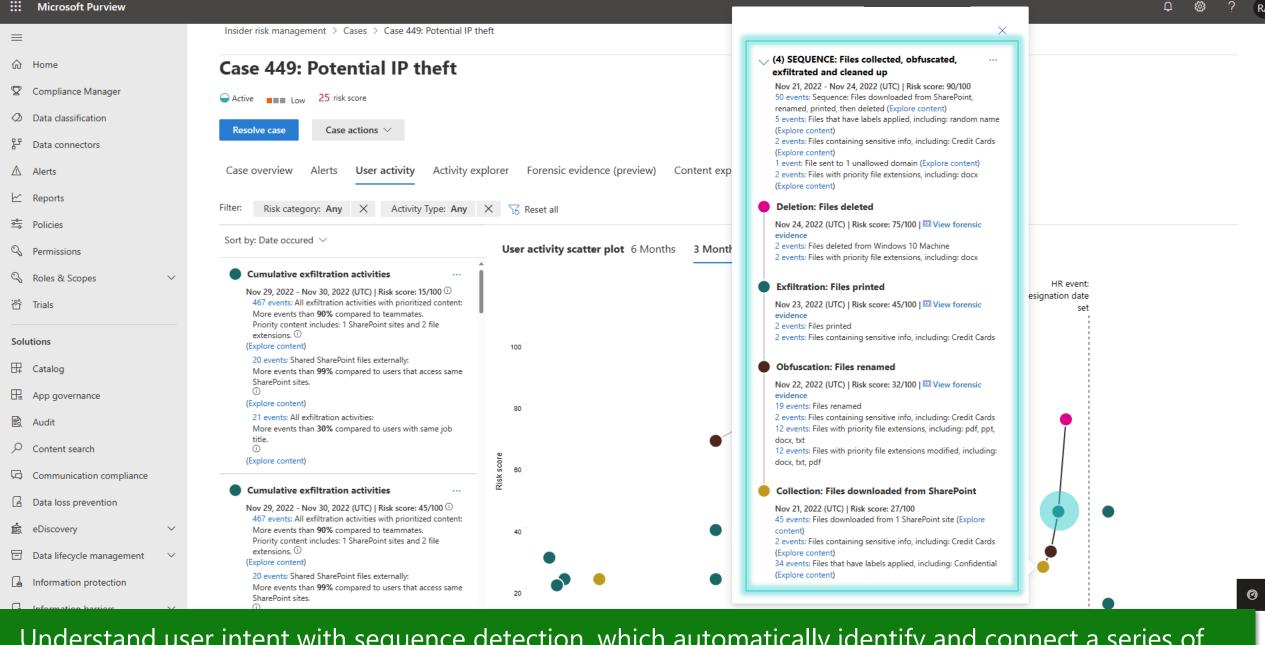
Action

After cases are investigated, reviewers can quickly take action to resolve the case or collaborate with other risk stakeholders in the organization

Collaboration between IT, compliance, privacy, security, human resources, and legal







Understand user intent with sequence detection, which automatically identify and connect a series of related activities

Deletion: Files deleted

Insider Risk Management

An integrated end-to-end approach for insider risks from Microsoft 365

Insider Risk Management +



Data Loss Prevention

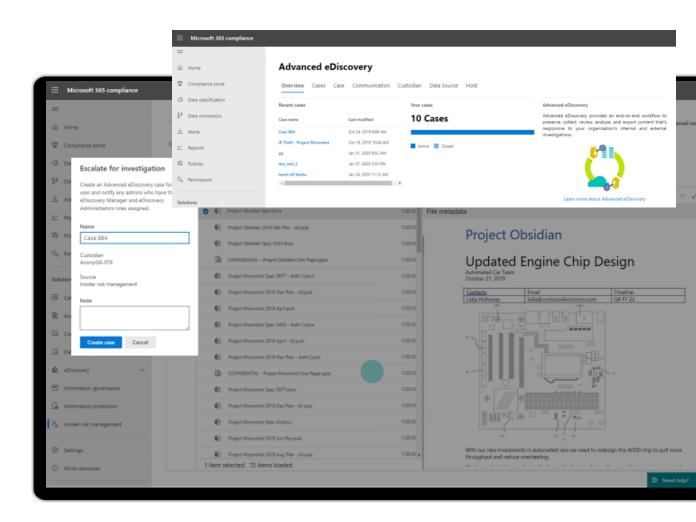
Information Protection

Communication Compliance

Advanced eDiscovery

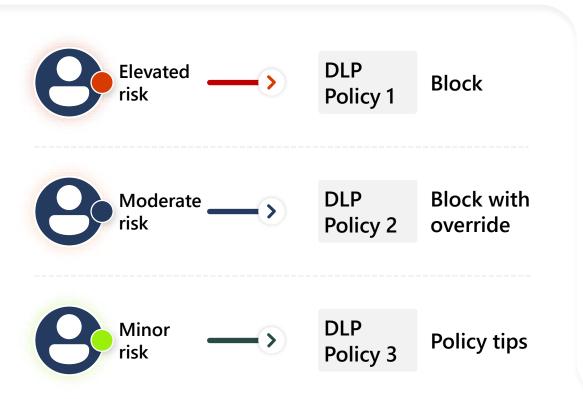
Legal collaboration

Integrated workflows provide seamless investigation handoff

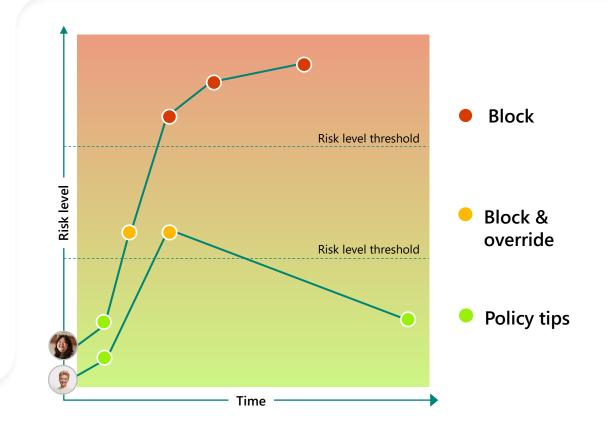


Optimize data security with Adaptive Protection

Leverages machine learning to understand how users are interacting with data, assign risk levels, and automatically tailor Data Loss Prevention controls.

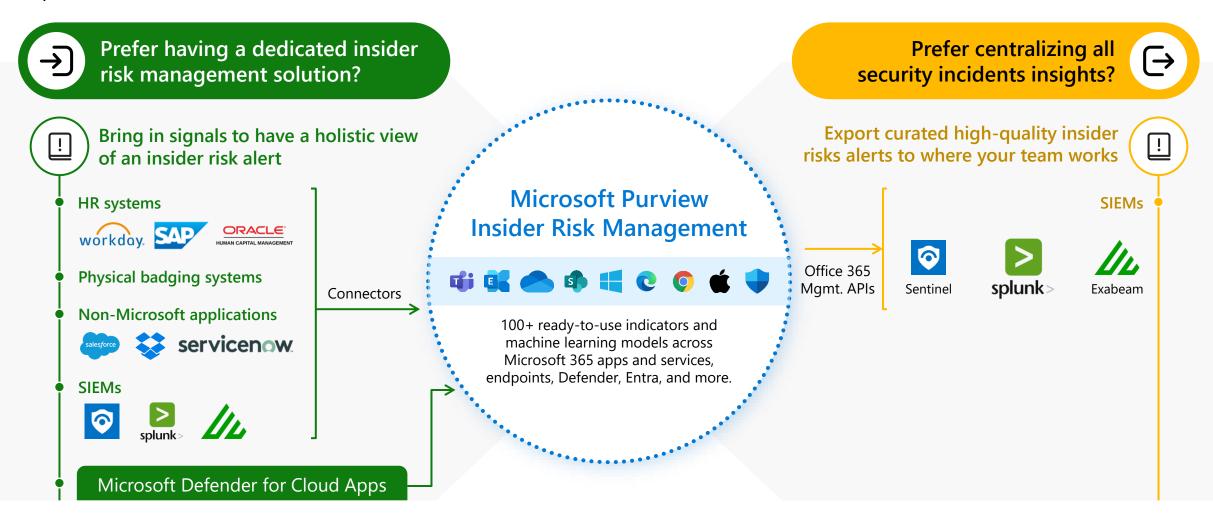


Each user has tailored protection controls that are continuously adjusted over time. High risks are automatically mitigated while low-risk users can work as usual and be educated on data handling best practices.



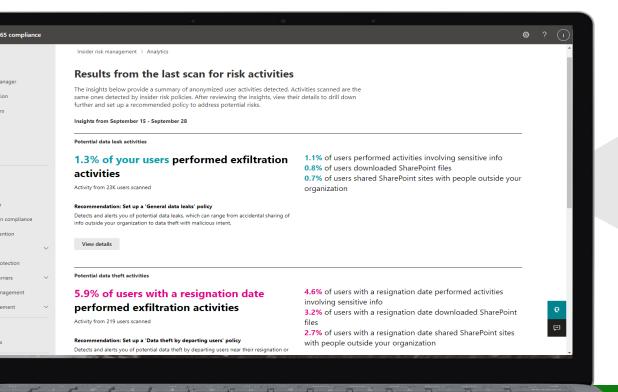
Manage insider risks across your digital landscape

Organizations can bring in detections and incorporate insider risk management into existing incident management processes



Insider Risk Management Analytics

Quickly gain insights into insider risks in your organization





Easy setup

Quick start by clicking "Run scan" in Analytics or enabling analytics in Insider risk settings



Privacy by default

Scan results and insights are returned as aggregated, anonymized user activity



Consolidated insights

Results can help you quickly identify potential risk areas and which policies would be best to help mitigate these risks

Setting up analytics in Insider Risk Management

Analytics is easy to set up and run, and helps you quickly detect risky user behavior with a baseline assessment

Step 1

Sign up for the Compliance trial from your Microsoft 365 compliance center (details at aka.ms/compliancetrial)

Step 2

In Insider Risk Management settings, turn on "Analytics" – this runs an assessment across your Microsoft 365 environment

Step 3

after 48 hours
From the Insider Risk
Management console, scroll
down to "analytics" and click
"View results"

Step 4

From the analytics page, you can view scan results and user activity, and easily create new policies to better address risks in your environment

Insights from analytics



User activity

Understand what % of users are performing potential data leak or theft activities



Exfiltration activity

Identify top exfiltration methods (ex: copying files to USB, emailing externally, downloading SharePoint files)



Policy recommendations

Easily create policies based on assessment findings and recommendations

Compliance Manager Data classification Data connectors Reports ♣ Policies Solutions Catalog Content search Communication compliance Data loss prevention eDiscovery Information protection A Information Barriers A Insider risk management Privacy management

🔅 Settings

More resources

Insider risk management > Analytics

Results from the last scan for risk activities

The insights below provide a summary of anonymized user activities detected. Activities scanned are the same ones detected by insider risk policies. After reviewing the insights, view their details to drill down further and set up a recommended policy to address potential risks.

Insights from September 15 - September 28

Potential data leak activities

1.3% of your users performed exfiltration activities

Activity from 23K users scanned

Recommendation: Set up a 'General data leaks' policy

Detects and alerts you of potential data leaks, which can range from accidental sharing of info outside your organization to data theft with malicious intent.

View details

1.1% of users performed activities involving sensitive info

0.8% of users downloaded SharePoint files

0.7% of users shared SharePoint sites with people outside your organization

Potential data theft activities

5.9% of users with a resignation date performed exfiltration activities

Activity from 219 users scanned

Recommendation: Set up a 'Data theft by departing users' policy

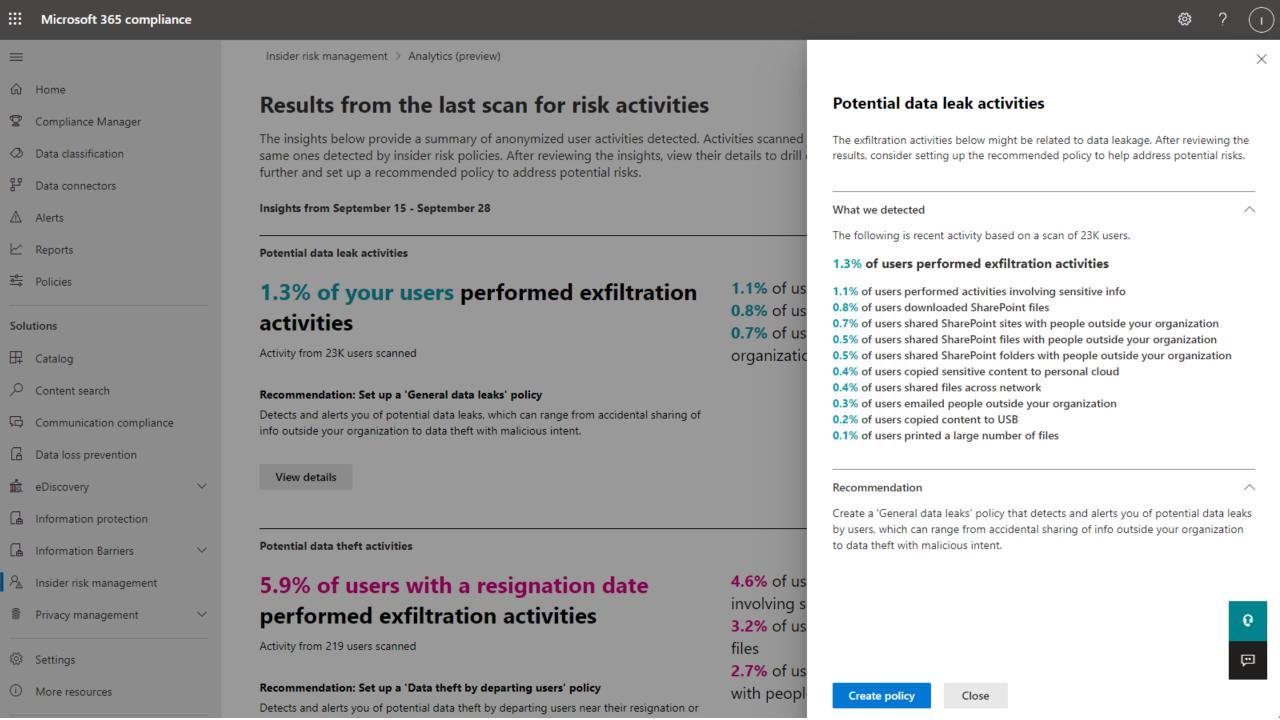
Detects and alerts you of potential data theft by departing users near their resignation or

4.6% of users with a resignation date performed activities involving sensitive info

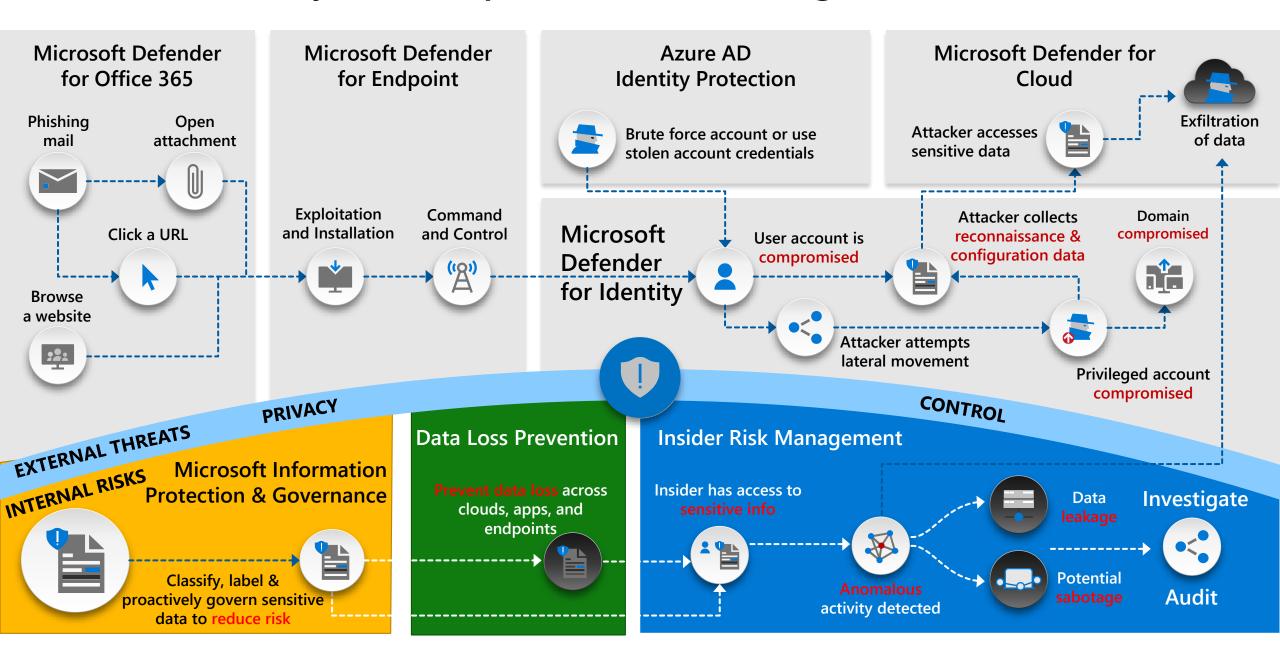
3.2% of users with a resignation date downloaded SharePoint files

2.7% of users with a resignation date shared SharePoint sites with people outside your organization

0



Microsoft security and compliance solution integration



Get started today

- Turn on Analytics in Insider Risk Management:
 aka.ms/insiderrisk/analytics
- Create a quick policy:
 aka.ms/insiderrisk/quickpolicy
- Turn on Adaptive Protection in one click: aka.ms/adaptiveprotection/docs
- Sign up for Microsoft Purview trial: aka.ms/PurviewTrial

Resources

Insider Risk Management

 Technical documentation: <u>https://aka.ms/insiderriskdocs</u>

Mechanics video: https://aka.ms/insiderriskmechanics

Latest announcement: https://aka.ms/insiderriskblog

Adaptive Protection

Technical documentation:
 https://aka.ms/adaptiveprotection

Mechanics video:
 https://aka.ms/adaptiveprotection/mechanics

Latest announcement:
 https://aka.ms/adaptiveprotection/blog

