



Member of  
Microsoft Intelligent  
Security Association



# Microsoft 365 Data Loss Prevention



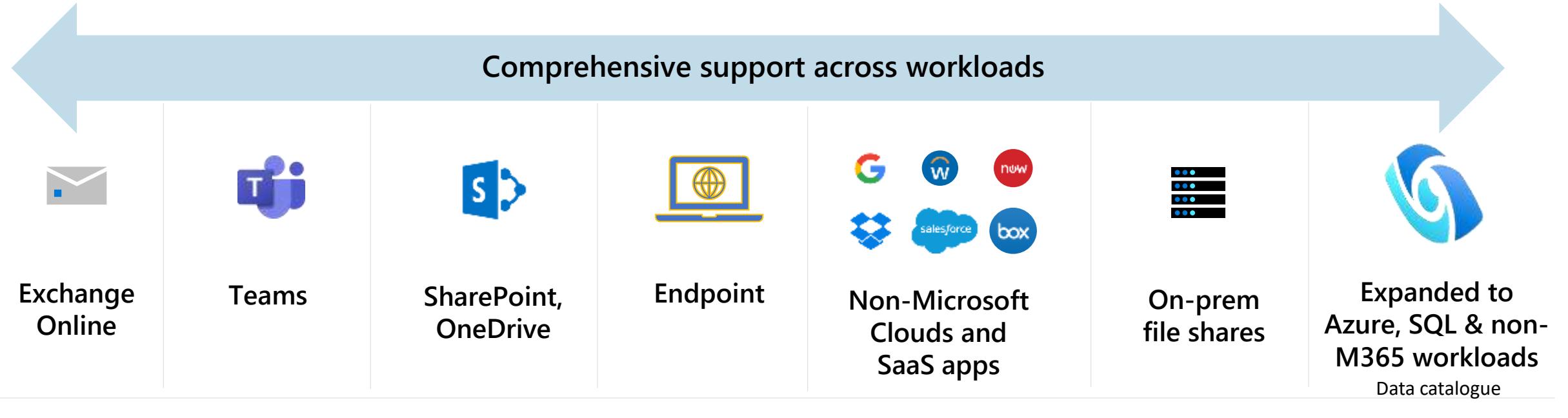
Maha AbuRumman – Compliance Specialist Microsoft

**Question:**

**What's the hardest part about working virtually for you? And the easiest?**

**What's the weakest factor in your environment?**

# DLP Solution Overview



Unified and integrated experiences



# Data Loss Prevention

## The journey so far



### DLP Offering

- Endpoint
- Edge Chromium browser
- Exchange On-Line
- Microsoft Cloud App Security
- Office 365 app integration
- OneDrive
- SharePoint
- Teams

### New Capabilities since last ignite

- MIP Sensitivity Labels for DLP policies
- Advanced controls in DLP for Email Protection
- Improved support for complex DLP policy definition
- Security Group and Distribution Lists for Teams DLP policies
- DLP Alerts to manage and group DLP events
- New classifiers and content types

# On-Premises DLP

Leveraging AIP scanner to discover sensitive data and apply DLP policies

## M365 Security/Compliance Center

Define labels and policies for sensitive information types

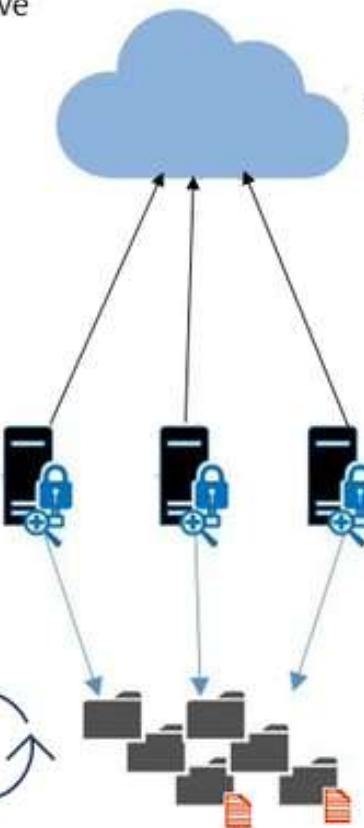
## Azure Information Protection Service

Scanner nodes and profile management and AIP analytics

## Windows Servers

Computers running the Azure Information Protection scanner

Discover  
Label  
Remediate



## Scanned Repositories

File Shares, SharePoint 2010/2013/2016

# Azure Information Protection Scanner (interface)

Microsoft Azure Search resources, services, and docs (G+ /) Home Bert

## Azure Information Protection | Usage report (Preview)

Activity date: Last 31 days Filter

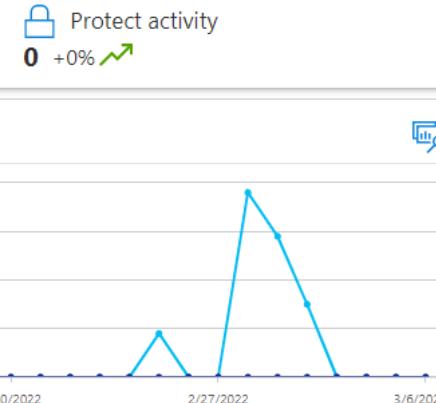
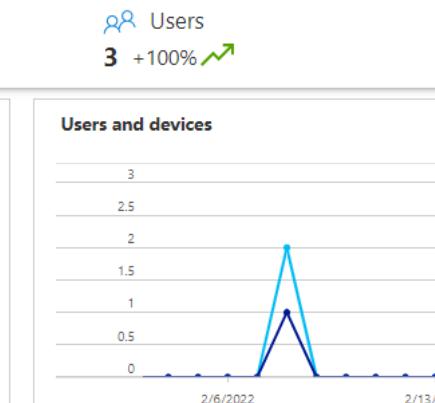
General Quick start

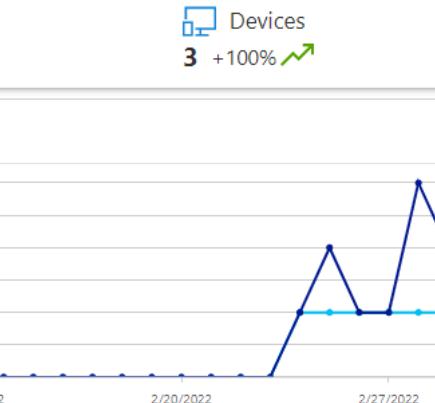
Analytics Usage report (Preview) Activity logs (Preview) Data discovery (Preview) Recommendations (Preview)

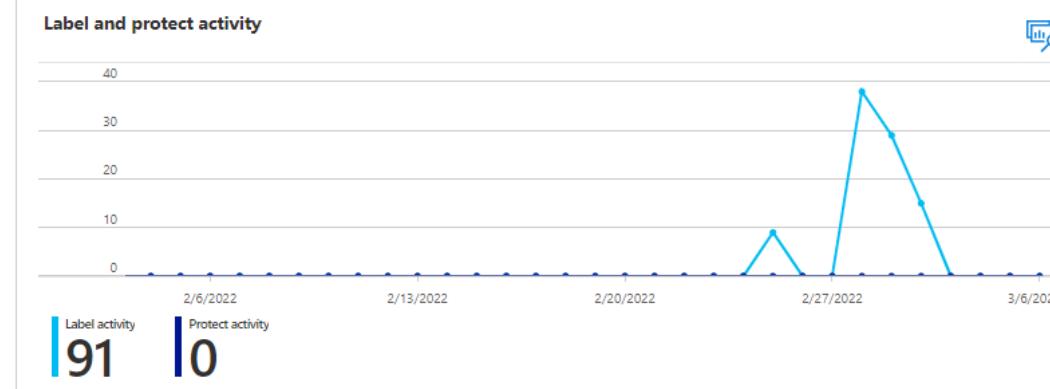
Classifications Labels Policies

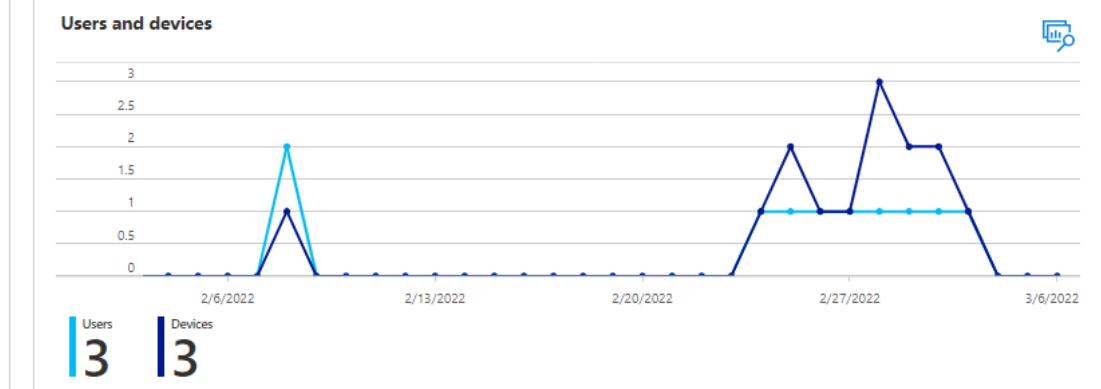
Scanner Clusters Nodes Network scan jobs (Preview) Content scan jobs Repositories (Preview)

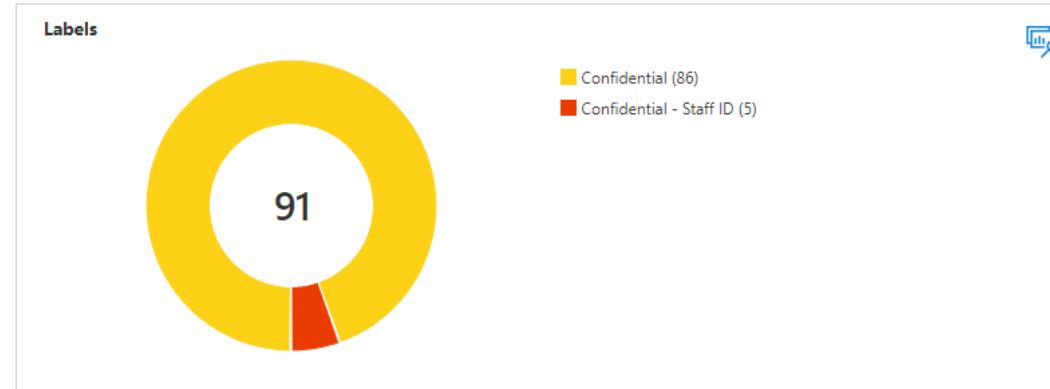
Manage Configure analytics (Preview) Languages Protection activation Unified labeling

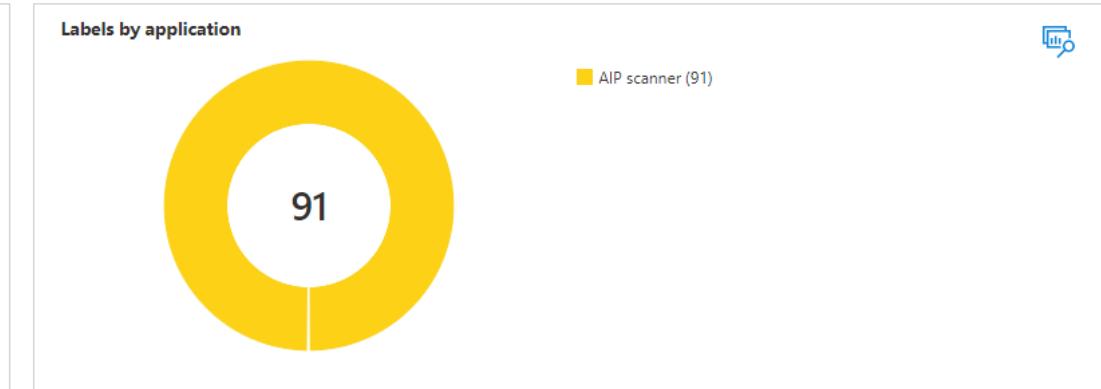
**Label activity** 91 +100%   
**Protect activity** 0 +0% 

**Users** 3 +100%   
**Devices** 3 +100% 

**Label and protect activity**   
Label activity 91 | Protect activity 0

**Users and devices**   
Users 3 | Devices 3

**Labels**   
Confidential (86) | Confidential - Staff ID (5)

**Labels by application**   
AIP scanner (91)

# Azure Information Protection Scanner (interface)

Microsoft Azure Search resources, services, and docs (G+) Home > Azure Information Protection

## Azure Information Protection | Activity logs (Preview) ...

Search (Ctrl+/) Columns Log Analytics

Activity date: **Last 31 days** Information types == **182 of 184 selected** Label == **Any** Result status == **Succeeded** Activity == **Discover** X + Add filter

Date	Time	User	Item name	Activity	Label	Properties
3/2/2022	2:19:35 AM	aipscanner@crossbar.cc	020957.txt	Discover		N/A
3/2/2022	2:19:35 AM	aipscanner@crossbar.cc	020957.txt	Discover		N/A
3/2/2022	2:19:34 AM	aipscanner@crossbar.cc	020953.html	Discover		N/A
3/2/2022	2:19:34 AM	aipscanner@crossbar.cc	020891.doc	Discover		N/A
3/2/2022	2:19:34 AM	aipscanner@crossbar.cc	020953.html	Discover		N/A
3/2/2022	2:19:34 AM	aipscanner@crossbar.cc	020891.doc	Discover		N/A
3/2/2022	2:19:31 AM	aipscanner@crossbar.cc	020897.html	Discover		N/A
3/2/2022	2:19:31 AM	aipscanner@crossbar.cc	013997.pdf	Discover		N/A
3/2/2022	2:19:30 AM	aipscanner@crossbar.cc	013997.pdf	Discover	Highly Confidential	Y/N
3/2/2022	2:19:30 AM	aipscanner@crossbar.cc	020897.html	Discover		N/A
3/2/2022	2:19:28 AM	aipscanner@crossbar.cc	020877.bmp	Discover		N/A
3/2/2022	2:19:28 AM	aipscanner@crossbar.cc	020877.bmp	Discover		N/A
3/2/2022	2:19:27 AM	aipscanner@crossbar.cc	020964.html	Discover		N/A
3/2/2022	2:19:27 AM	aipscanner@crossbar.cc	020964.html	Discover		N/A
3/2/2022	2:19:27 AM	aipscanner@crossbar.cc	020964.html	Discover		N/A

\* Displaying first 1000 records

### Activity Details

Details

**Date:** 3/2/2022 2:19:30 AM

**Item path:** \\ccaips01\fileshares\alpha\013\013997.pdf

**Item name:** 013997.pdf

**Application name:** AIP scanner

**Last modified date:** 12/18/2021

**Result status:** Succeeded

Information Protection Properties

**User:** aipscanner@crossbar.cc

**Activity:** Discover

**Label:** Highly Confidential

**Protection type:** Template

Information types matches

Project Codenames - Confidence: 65%, Count: 1

General

**Device name:** CCAIPS01.CROSSBAR.CC

**IP address:** 146.200.201.192

**Platform:** Windows Desktop

**Process:** msip.scanner

**Application id:** c00e9d32-3c8d-4a7d-832b-029040e7db99

# Azure Information Protection Scanner (interface)

Microsoft Azure Search resources, services, and docs (G+) More

Home > Azure Information Protection

## Azure Information Protection | Data discovery (Preview) ...

Search (Ctrl+/) Columns Log Analytics

Activity date: **Last 31 days** Location type == Any Label == Any Information types == **182 of 184 selected** Add Filter Filter

General Quick start

Analytics

- Usage report (Preview)
- Activity logs (Preview)
- Data discovery (Preview)**
- Recommendations (Preview)

Classifications

- Labels
- Policies

Scanner

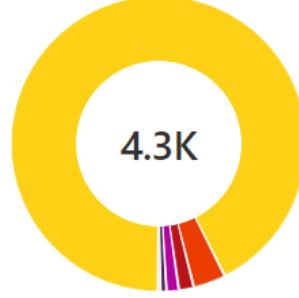
- Clusters
- Nodes
- Network scan jobs (Preview)
- Content scan jobs
- Repositories (Preview)

Manage

- Configure analytics (Preview)
- Languages
- Protection activation

Overview

### Labels



4.3K

- Confidential (4,005)
- Protect - Post Code (154)
- Highly Confidential (71)
- Confidential - Staff ID (58)
- Confidential - Date of Birth (28)
- Highly Confidential - UK Sort Number (12)

### Information types

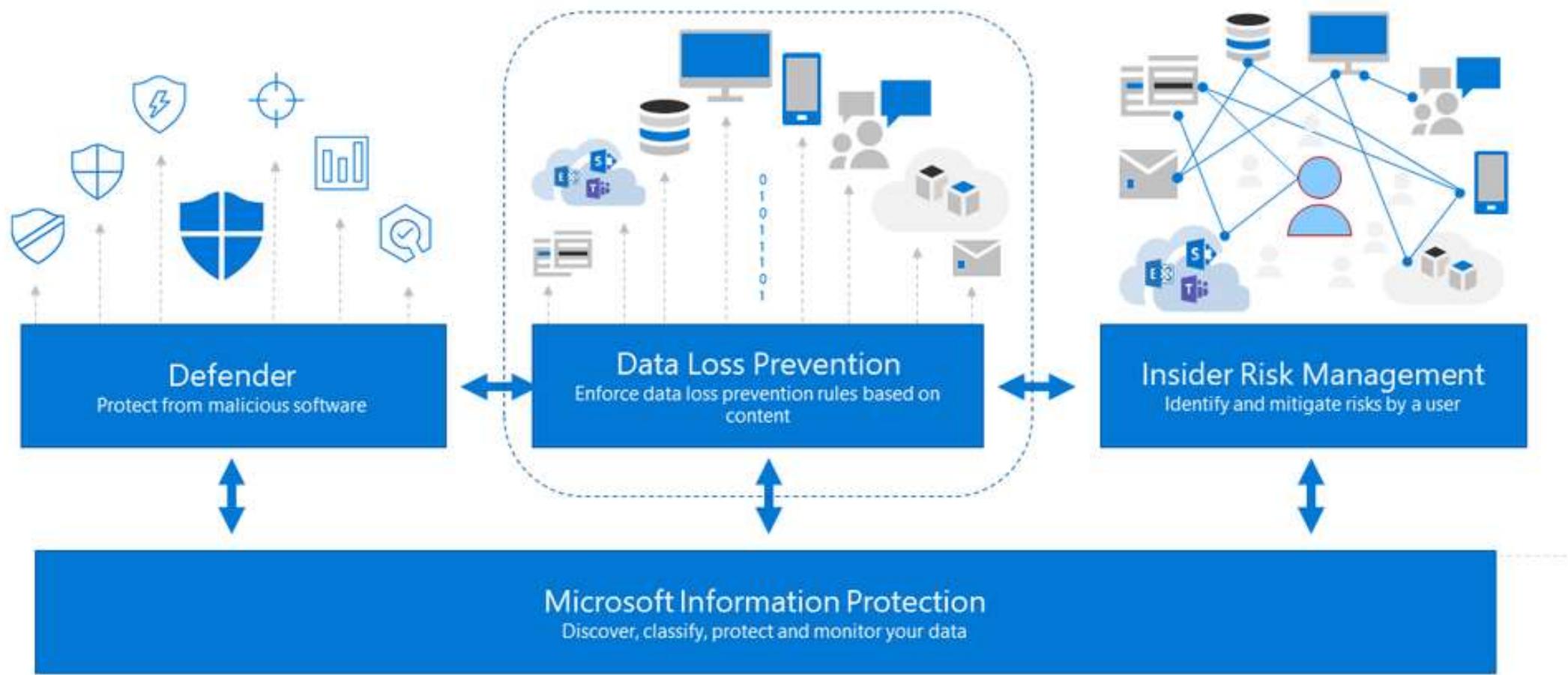
Information type	Count
Defence Terms	34,874
New Zealand Ministry of Health Number	17,622
Financial Terms	15,992
Pharma Data	13,650
U.K Bank Sort Code	12,701
Project Codenames	11,287
New Zealand Inland Revenue number	10,068

### Location type

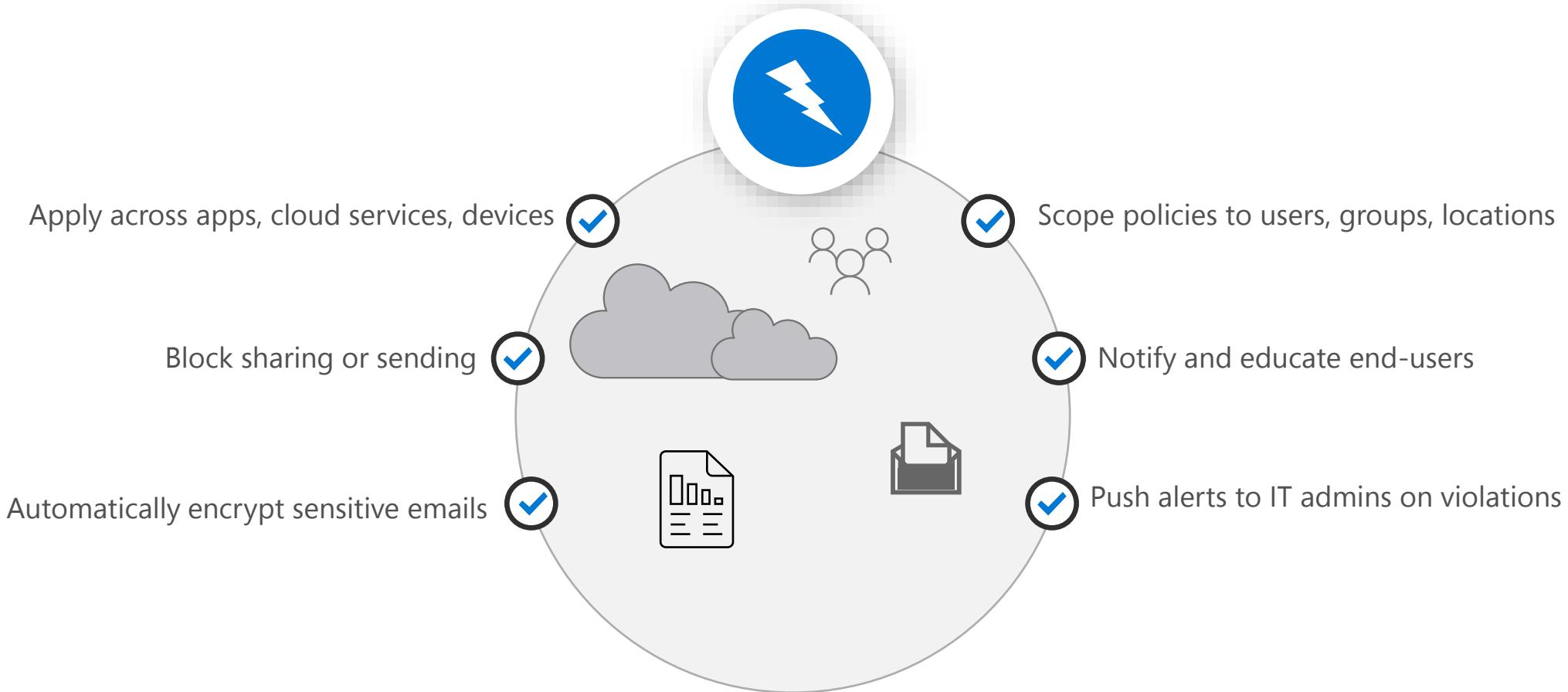
Location type	Location	Labeled files	Protected files	Files with Information types
File repository	\bibliotheca\crossbarapac\	4,305	68	26,643
File repository	\ccaips01\fileshares\	13	1	3,665
File repository	\bibliotheca\crossbarhq\	10	2	880
Endpoint	CCAIPS02	0	0	0
File repository	\ccaips02\prometheus\	0	0	68,304
File repository	\bibliotheca\crossbaranz\	0	0	0

# Microsoft Security and Compliance

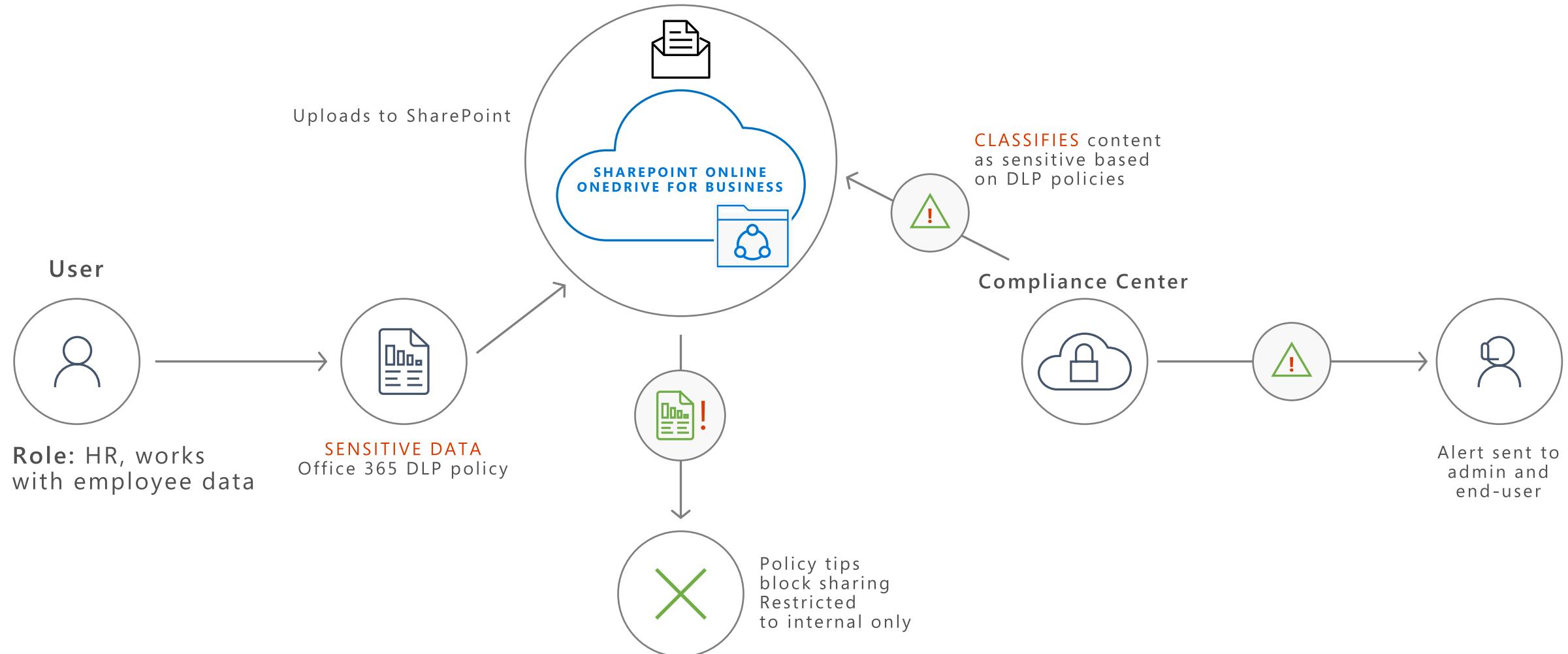
## Unified capabilities



# Flexible DLP enforcement options



# An Example: Prevent data loss in Office 365



# Built-in policies & templates

**Over 100 policy templates for common industry regulations** and compliance needs – included out of the box

Examples: Financial data, PII, health information, GDPR related info

**Proactive default protection policy** for most common sensitivity content

**System-generated insights** with step-by-step enablement for additional protection controls



# Rich policy controls

## Conditions & Exceptions

combine content classifications and/or labels with contexts:

- What the content does or does not look like
- What type of behavior, like sharing, to detect or exclude

The screenshot shows the Microsoft 365 compliance interface for Contoso Electronics. The left sidebar includes Home, Alerts, Reports, Classification, Policies, Solutions (Data loss prevention, Records management, Information governance), Data subject requests, Content search, eDiscovery, Communication compliance, Permissions, More resources, and a Show all link. The main area displays a policy titled "Content matches U.S. HIPAA". The "Conditions" tab is selected, showing a summary: "We'll apply this policy to content that matches these conditions." Below this is a "Content contains" section with two groups: "Any of these" under "PII Identifiers" and "Sensitive info type". The first group includes "U.S. Social Security Number (SSN)" and "Drug Enforcement Agency (DEA) Number", both set to 1 instance count and 75-100% match accuracy. The second group includes "International Classification of Diseases (ICD-9-CM)" and "International Classification of Diseases (ICD-10-CM)", also set to 1 instance count and 85-100% match accuracy. A "Content is shared" section follows, with a dropdown set to "with people outside my organization". A modal window is open over the "Content is shared" section, titled "+ Add a condition". It lists several options: "Under IP address is", "Any email attachment's content could not be scanned", "Any email attachment's content didn't complete scanning", "Attachment is password protected", "Recipient domain is", "Recipient is", "Attachment's file extension is", and "Document property is". At the bottom of the modal are "Save" and "Cancel" buttons.

# Rich policy controls

**Actions** define what type of automatic remediation you want to take when the conditions match

The screenshot shows the Microsoft 365 compliance interface for Contoso Electronics. A policy named "Content is shared" is being configured for U.S. HIPAA content. The policy has one condition: "Content is shared with people outside my organization". It includes an "Exceptions" section where users can exclude specific content types. The main focus is the "Actions" section, which contains a sub-section for "Restrict access or encrypt the content". This section includes options to "Block people from sharing and restrict access to shared content" (selected), "Everyone" (unchecked), "Only people outside your organization" (checked), and "Encrypt email messages (applies only to content in Exchange)" (unchecked). Below this, there's a "Email notifications" section where "Notify these people" is selected, and checkboxes for "The person who sent, shared, or modified the content", "Owner of the SharePoint site or OneDrive account", and "Owner of the SharePoint or OneDrive content" are checked. A "Save" button is at the bottom.

# Rich policy controls

User notifications & overrides define what the user sees, and if they can override with a business justification

The screenshot shows the Microsoft 365 compliance interface for Contoso Electronics. On the left, a navigation pane includes Home, Alerts, Reports, Classification, Policies, Solutions (with Data loss prevention, Records management, Information governance, Data subject requests), Content search, eDiscovery, Communication compliance, Permissions, and More resources. A callout bubble points from the 'User notifications' section of the main content area to the 'More resources' link in the sidebar.

**Content matches U.S. HIPAA**

Name Conditions Exceptions Actions User notifications User overrides Incident reports Options

Use actions to protect content when the conditions are met.

Restrict access or encrypt the content

Block people from sharing and restrict access to shared content  
By default, users are blocked from sending email and Teams chats and channel messages that contain the type of content you're protecting. But you can choose who has access to shared SharePoint and OneDrive files. You can also decide if you want to let people override the policy's restrictions.  
**Block these people from accessing SharePoint, OneDrive, and Teams content**

Everyone. Only the content owner, the last modifier, and the site admin will continue to have access  
 Only people outside your organization. People inside your organization will continue to have access.  
 Encrypt email messages (applies only to content in Exchange)

+ Add an action ▾

**User notifications**

Use Notifications to inform your users and help educate them on the proper use of sensitive info. Please note: Notifications for teams will be displayed in the chat client itself.

On

Email notifications

Notify the user who sent, shared, or last modified the content.  
 Notify these people:  
 The person who sent, shared, or modified the content  
 Owner of the SharePoint site or OneDrive account  
 Owner of the SharePoint or OneDrive content

Send the email to these additional people:  
[Add or remove people](#)

Customize the email text

Policy tips

Customize the policy tip text  
You can't perform this action because it's against usage policies for sensitive data.

**User overrides**

Let people who see the tip override the policy and share the content.

On

Require a business justification to override  
 Override the rule automatically if they report it as a false positive

Save Cancel

# Rich policy controls

**Incident reports** trigger email notifications or Alerts based upon severity of event

The screenshot shows the Microsoft 365 compliance interface for Contoso Electronics. A specific policy for "Content matches U.S. HIPAA" is being edited. The interface includes a left sidebar with navigation links like Home, Alerts, Reports, Classification, Policies, and various solutions. The main content area has tabs for Name, Conditions, Exceptions, Actions, User notifications, User overrides, Incident reports, and Options.

**Policy tips:** A checked checkbox says "Customize the policy tip text". A tooltip message states: "You can't perform this action because it's against usage policies for sensitive data."

**User overrides:** A toggle switch is set to "On". Below it are two unchecked checkboxes: "Require a business justification to override" and "Override the rule automatically if they report it as a false positive".

**Incident reports:** A dropdown menu is set to "Medium". It contains three sections: 1) "Send an alert to admins when a rule match occurs" (switched On), with an email address "admin@M365x832332.onmicrosoft.com" listed below. 2) "Send email alerts to these people" (switched On), with the same email address listed. 3) "Use email incident reports to notify you when a policy match occurs" (switched On), with the same email address listed.

**Options:** An unchecked checkbox says "Stop processing additional DLP policies and rules if this rule matches. Additional rules will not be processed." Below it is a "Priority:" dropdown set to "0".

**Buttons:** At the bottom are "Save" and "Cancel" buttons.

# Monitoring

## Know when policy is violated

Incident report emails alert you in real time when content violates policy.

## See the effectiveness of your policies

Built-in reports help you see historical information and tune policies.

## Integrates with other systems

Leverage the Activity Management API to pull information into SIEM and workflow tools.



# Reporting, Alerts & GIR

**Smart report insights** provide information on data abnormalities

Enable admins to continue their investigation through the explorer

Complete view of DLP detection for quick assessment of impact

The screenshot shows the Microsoft 365 Security & Compliance center. On the left, a navigation pane lists various compliance categories: Home, Alerts, Permissions, Classifications, Data loss prevention, Data governance, Threat management, Search & investigation, Reports, Dashboard, Manage schedules, Reports for download, and Service assurance. The 'Reports' section is currently selected.

The main content area displays a 'DLP Incident report' for a file named 'Personal Information.docx'. The report includes a summary, a chart showing the trend of incidents from 9/7/19 to 6/7/11, and a table of policy matches. A detailed view of a single policy match is shown on the right, listing details such as Severity (Low), Time (Jun 23, 2017 6:00:00 PM), Details (TestDlp0328.docx), Sensitive Information Count (1), Users (admin@SCCAclients1.onmicrosoft.com), Recipient (None), Location (SharePoint), Policy Actions (BlockAccess, NotifyUser, GenerateAlert, GenerateIncidentReport), False Positive (None), and Override (None). The status is Active, and there is a comment placeholder 'Add comments'.

Date	Rules	Title
7/11/17 6:45 PM	d4a84dad-a6ca-45ed...	SharedExt3.docx
7/11/17 6:45 PM	0e6eb478-d571-4bdf...	SharedExt3.docx
7/11/17 7:15 PM	d4a84dad-a6ca-45ed...	SharedExt4.docx
7/11/17 7:15 PM	0e6eb478-d571-4bdf...	SharedExt4.docx
7/11/17 8:45 PM	db78e546-ccdb-4be...	PanNumberSh...

# Exposing Office 365 DLP events programmatically

## DLP event data available via Office 365 Management Activity API

- REST-based API exposing audit events in Exchange, SharePoint, OneDrive for Business, Azure AD
- ISVs can build rich compliance-oriented applications.
- Customer data is not accessible unless customer grants consent to application
- <https://msdn.microsoft.com/en-us/office-365/get-started-with-office-365-management-apis>

## 2 types of DLP events:

DLP event type	Available Data	Exposed via this Content Type in Activity API	Required Permission
Non-sensitive	<ul style="list-style-type: none"><li>• Document or Email that triggered the hit</li><li>• User that triggered the hit</li><li>• Policy, Rule</li><li>• Actions taken</li><li>• Type of sensitive data detected (e.g. Credit card)</li></ul>	Audit.Exchange Audit.SharePoint	Read Activity Data for your organization
Sensitive	All non-sensitive data, plus: <ul style="list-style-type: none"><li>• Value of sensitive data (e.g. Visa 4916-6867-9255-1997)</li><li>• Context (excerpt of content including 100-300 chars)</li></ul>	Dlp.All	Read DLP policy events including sensitive data

# DLP Activity Feed API events

## Non-sensitive DLP event (*Audit.Exchange* and *Audit.SharePoint*)

```
...  
  "SensitiveInfoDetectionIncluded": false,  
  "PolicyDetails": [  
    {  
      "PolicyId": "b777de65-70e0-4b1e-9974-df6159a0aab",  
      "PolicyName": "WW Financial Policy ",  
      "Rules": [  
        {  
          "RuleId": "c4ae017b-86b3-40d9-80f8-34cd00a45fa9",  
          "RuleName": "US Financial Data",  
          "RuleMode": "Enable",  
          "Actions": ["BlockAccess", "NotifyUser"],  
          "OverriddenActions": [],  
          "Severity": "Low",  
          "ConditionsMatched": {  
            "SensitiveInformation": [  
              {  
                "SensitiveType": "50842eb7-edc8-4019-85dd-5a5c1f2bb085",  
                "Count": "2",  
                "Confidence": "85"}],  
              "Other Conditions": [{"Access Scope": "Shared Externally"}]  
            }  
          }  
        ]  
      ]  
    }  
  ]  
...
```

## Sensitive DLP event (*Dlp.All*)

```
...  
  "SensitiveInfoDetectionIncluded": true,  
  "PolicyDetails": [  
    {  
      "PolicyId": "b777de65-70e0-4b1e-9974-df6159a0aab",  
      "PolicyName": "WW Financial Policy",  
      "Rules": [  
        {  
          "RuleId": "c4ae017b-86b3-40d9-80f8-34cd00a45fa9",  
          "RuleName": "US Financial Data",  
          "RuleMode": "Enable",  
          "Actions": ["BlockAccess", "NotifyUser"],  
          "OverriddenActions": [],  
          "Severity": "Low",  
          "ConditionsMatched": {  
            "SensitiveInformation": [  
              {  
                "SensitiveType": "50842eb7-edc8-4019-85dd-5a5c1f2bb085",  
                "Count": "2",  
                "Confidence": "85"},  
              "SensitiveInformationDetections": {  
                "Detections": [  
                  {"Value": "4441-1111-1111-1111",  
                   "Context": "Here is my cc #: 4441-1111-1111-1111. blah"},  
                  {"Value": "4442-1111-1111-2222",  
                   "Context": "and here is my friend's: 4442-1111-1111-2222. Please.."},  
                  "ResultsTruncated": "false"  
                ]  
              }  
            }  
          }  
        ]  
      ]  
    }  
  ]  
...
```

# Document fingerprinting

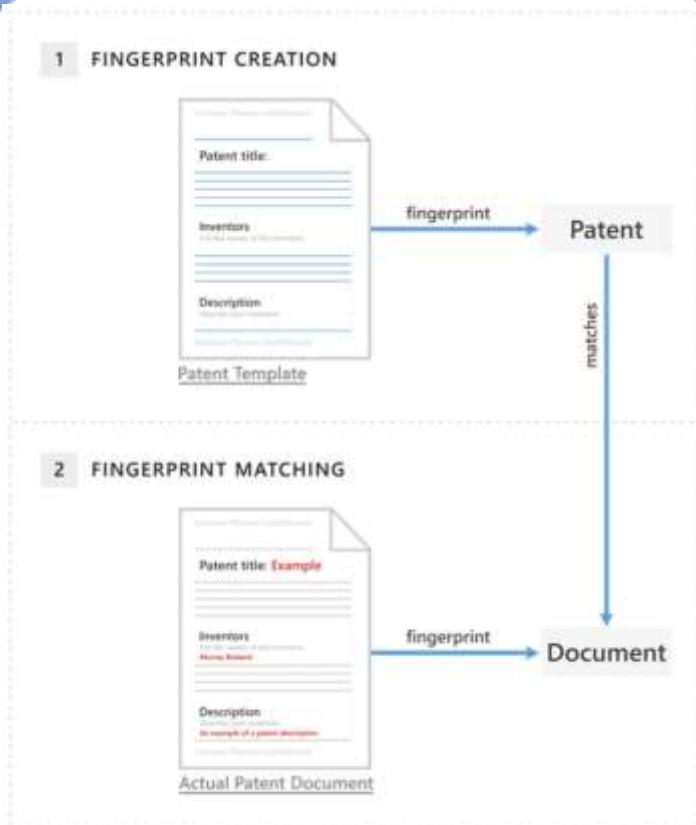
In Exchange Online , you can use Document Fingerprinting to create a sensitive information type based on a standard form. Document Fingerprinting is a DLP feature that makes it easier for you to protect information by converting a standard form into a sensitive information type, which you can then use to define DLP policies.

For example, you can create a document fingerprint based on a blank patent template and then create a DLP policy that detects and blocks all outgoing patent templates with sensitive content filled in. Optionally, you can create policy tips to notify senders that they might be sending sensitive information, and the sender should verify that the recipients are qualified to receive the patents. This process works with any text-based forms used in your organization. Additional examples of forms that you can upload include:

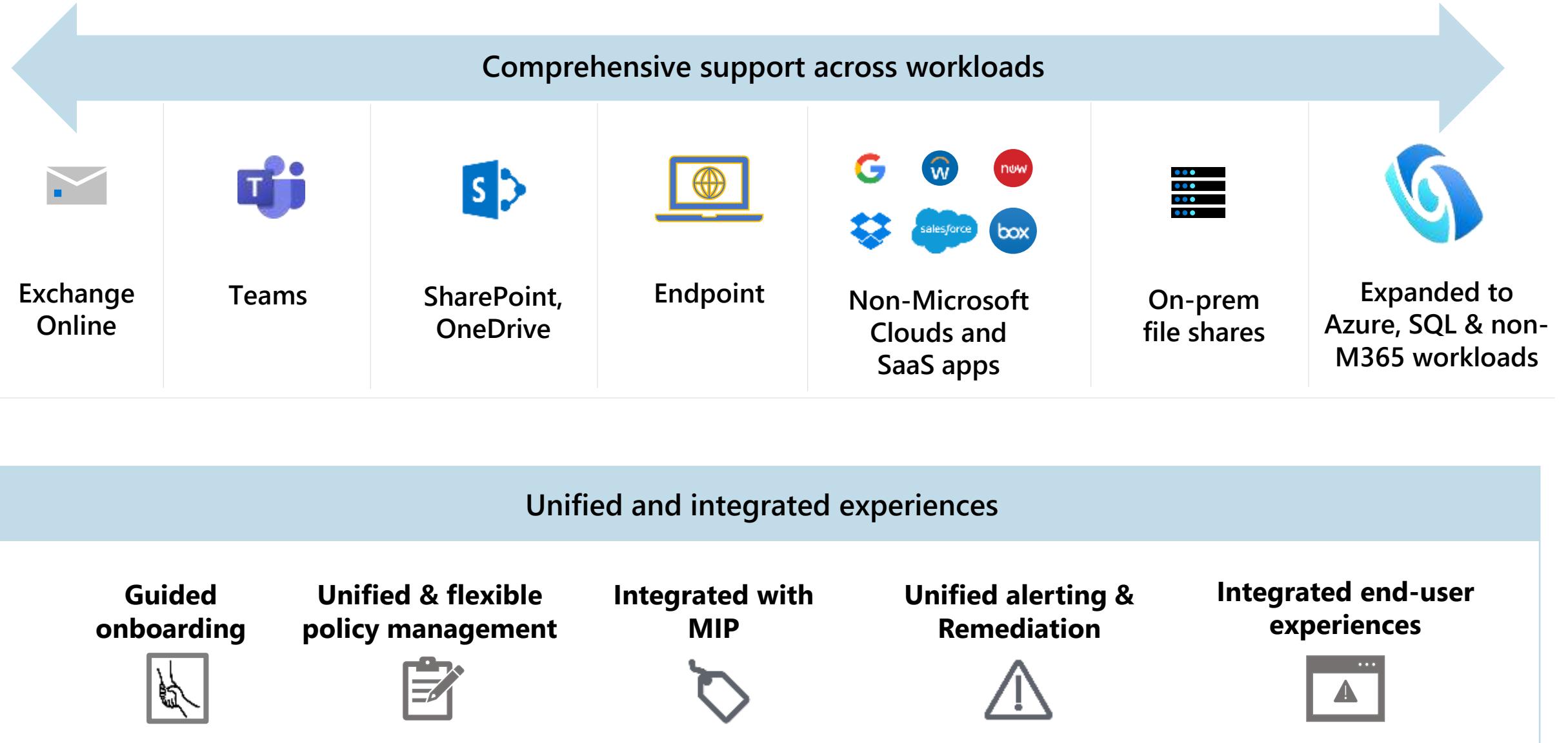
- Government forms
- Health Insurance Portability and Accountability Act (HIPAA) compliance forms
- Employee information forms for Human Resources departments
- Custom forms created specifically for your organization

Your organization already has an established business practice of using certain forms to transmit sensitive information. After you upload an empty form to be converted to a document fingerprint and set up a corresponding policy, the DLP agent will detect any documents in outbound mail that match that fingerprint.

<https://technet.microsoft.com/en-us/library/dn635176%28v=exchg.150%29.aspx>



# DLP Solution Overview



# DLP enforcement across devices, apps, services



## Email & chat

DLP policies for  
Exchange Online,  
Microsoft Teams



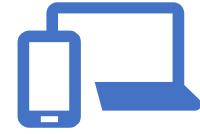
## Documents

DLP policies for Office apps,  
SharePoint Online,  
OneDrive for Business



## Cloud services

Microsoft Cloud App Security  
DLP policies for sensitive  
information in 3<sup>rd</sup>-party cloud  
services



## Endpoints

DLP policies for  
Windows 10 devices

# Announcing Endpoint Data Loss Prevention

Identify and protect information on endpoints

## Native protection

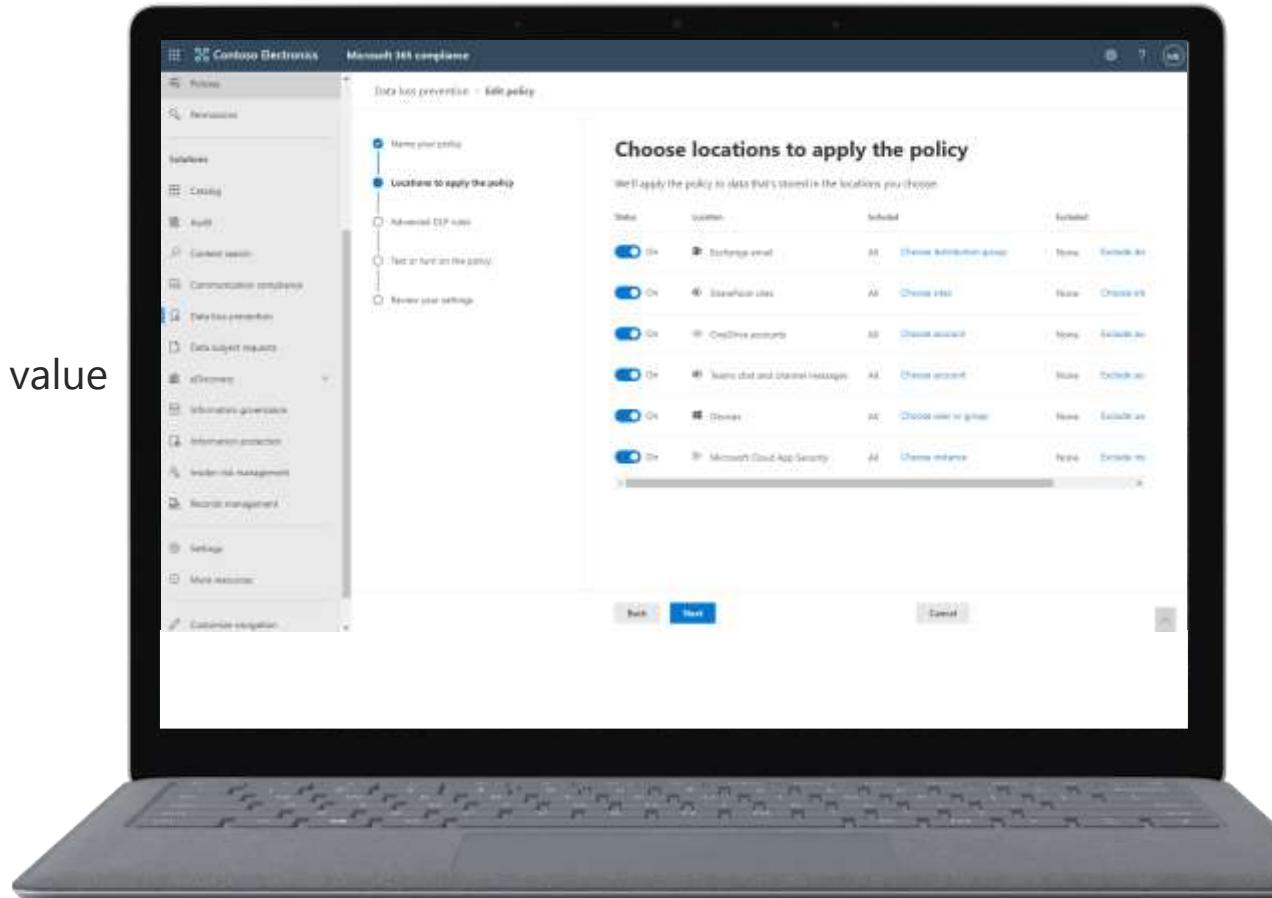
Built-in to Windows 10, Office Apps, Edge – no agent required

## Seamless deployment

Cloud-delivered, lightweight configuration leads to immediate value

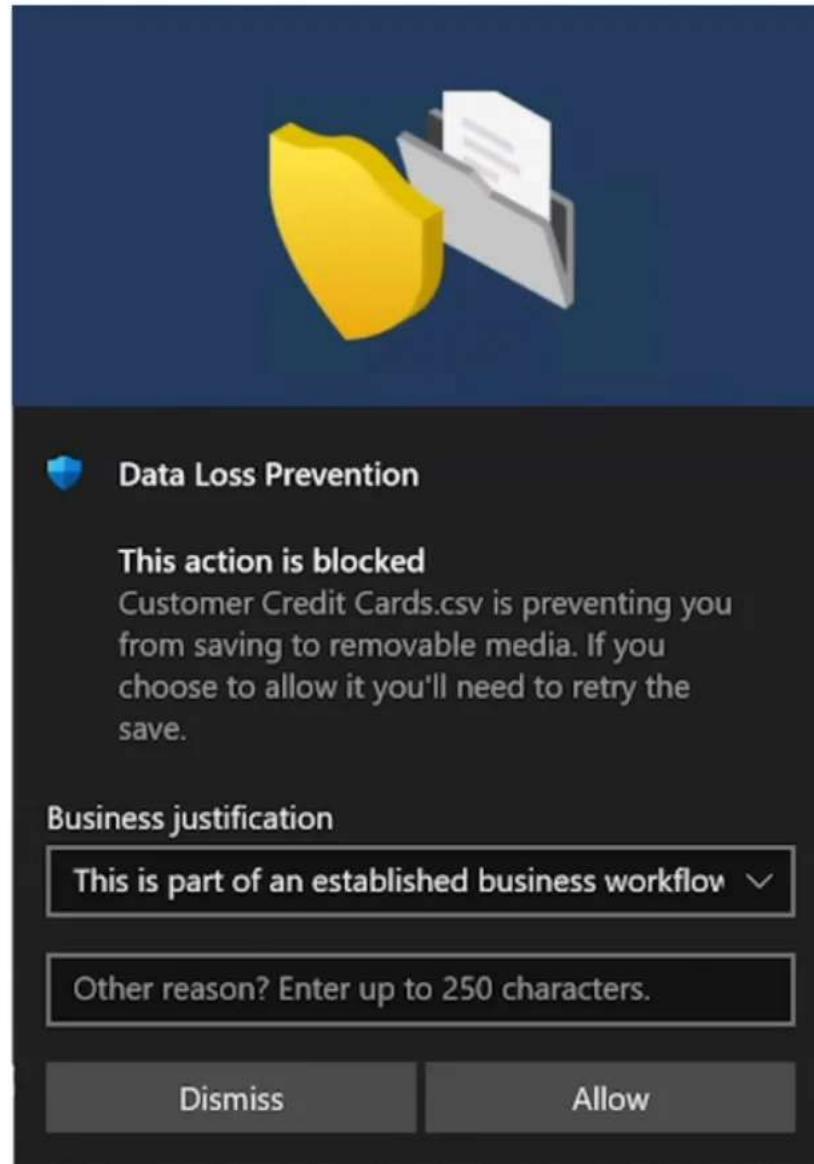
## Integrated

Integrations (e.g. with Microsoft Information Protection)  
build on existing capabilities and focus on risks that matter

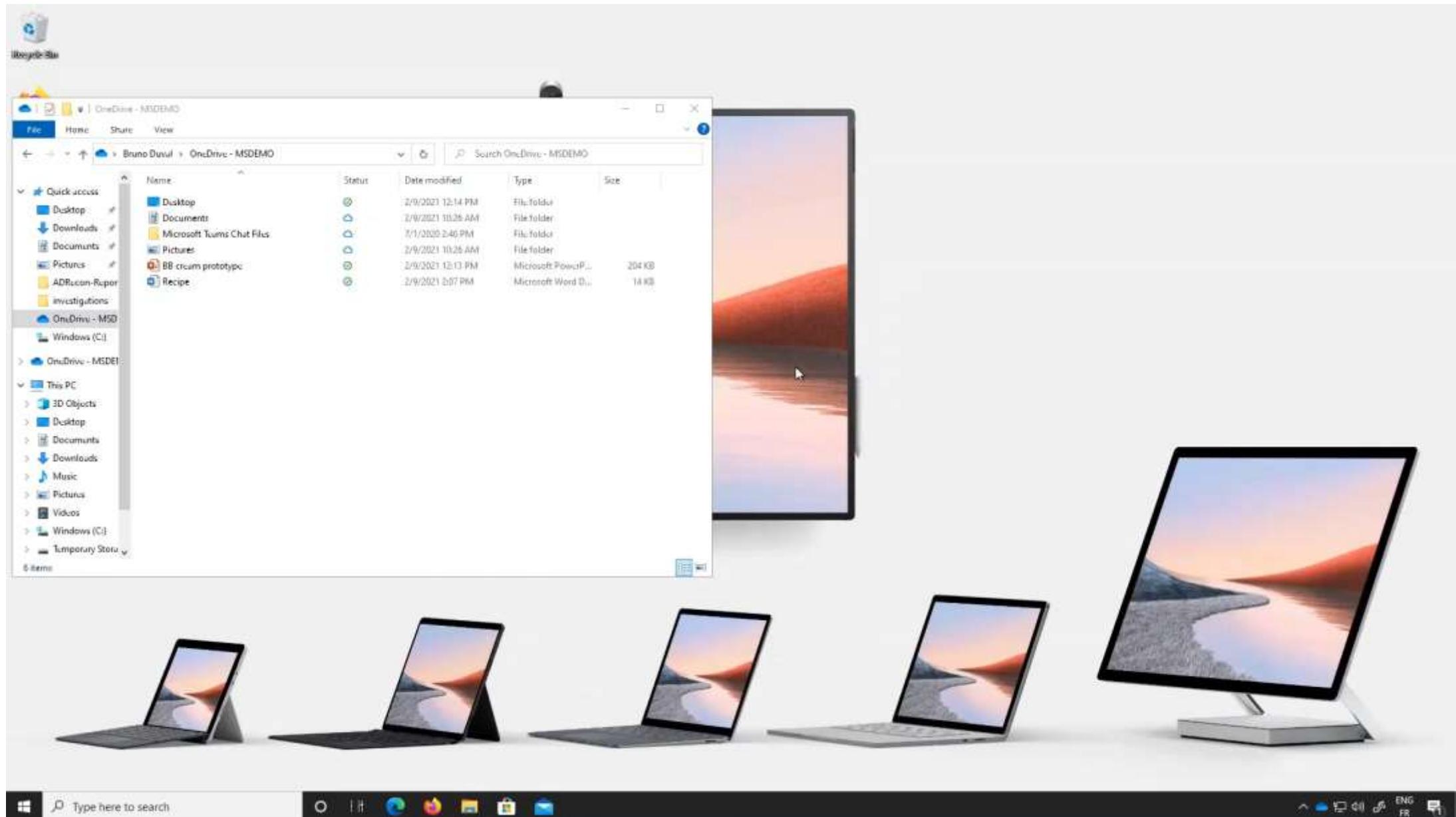


## Microsoft Information Protection Endpoint

# DLP Demo



# Controlling what is sent outside



## Data classification

Overview Trainable classifiers Sensitive info types Exact data matches Content explorer Activity explorer

Review activity related to content that contains sensitive info or has labels applied, such as what labels were changed, files were modified, and more. Label activity is monitored across Exchange, [more](#)

Filter

Date: 2/2/2021-2/9/2021 ▾ Activity: Any ▾ Location: Any ▾ User: Any ▾ Sensitivity label: Any ▾

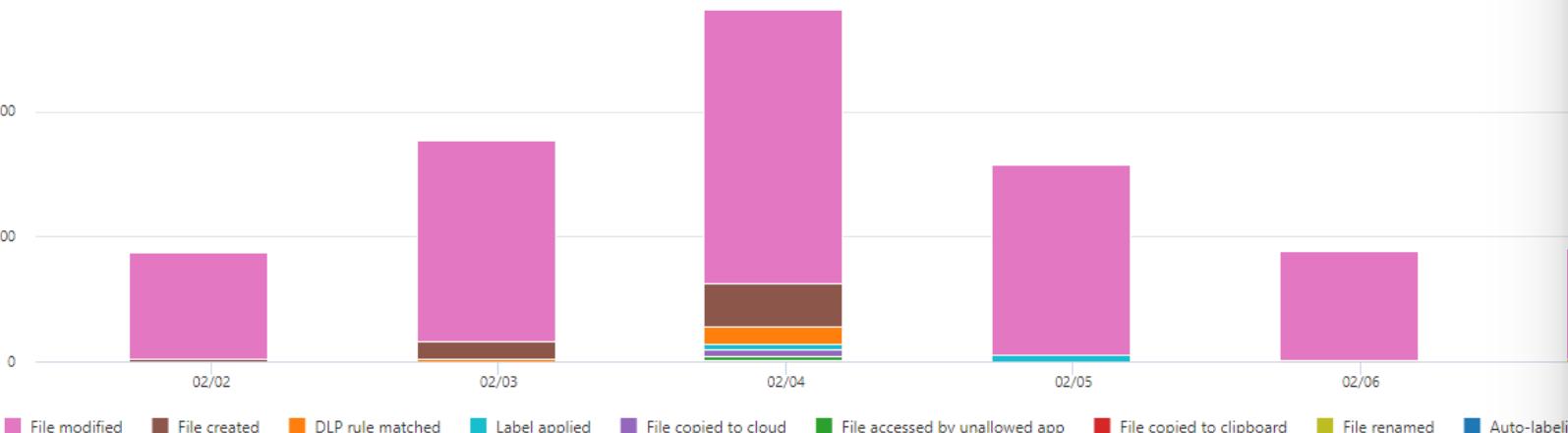
Export

600

400

200

0



Activity	File	Location	User	Occurred
File modified	C:\Users\benlc\AppData\Roaming\Mozilla\Firefox\Profiles\81nvafh...	Endpoint devices	benlc@msdemo.org	Feb 9, 2021 3:14 PM
File copied to cloud	C:\Users\brunod\OneDrive - MSDEMO\Recipe.docx	Endpoint devices	brunod@msdemo.org	Feb 9, 2021 3:09 PM
<input checked="" type="checkbox"/> File copied to cloud	C:\Users\brunod\OneDrive - MSDEMO\BB cream prototype.pptx	Endpoint devices	brunod@msdemo.org	Feb 9, 2021 3:09 PM

### File copied to cloud

#### Activity details

Activity

File copied to cloud

Happened

Feb 9, 2021 3:09 PM

Client IP

51.103.79.91

How applied

None

Label event type

None

Enforcement mode

WarnAndBypass

Target domain

https://wetransfer.com/

#### About this item

File

BB cream prototype.pptx

User

brunod@msdemo.org

File extension

pptx

File size

204 KB

Sensitivity label

PII and Financial data

Sensitive info type

DLP policy  
Sensitive Information (PII, Financial) - EP  
DLP rule  
Label PII and Financial data for EP

Sha1

34d5ee9efccf303085a28207636dbdf8080d6172

Sha256

93784b9ec03d3a8e217383e855b7509b0349e9956617905d9070603ccabd0418

#### Location details

Location

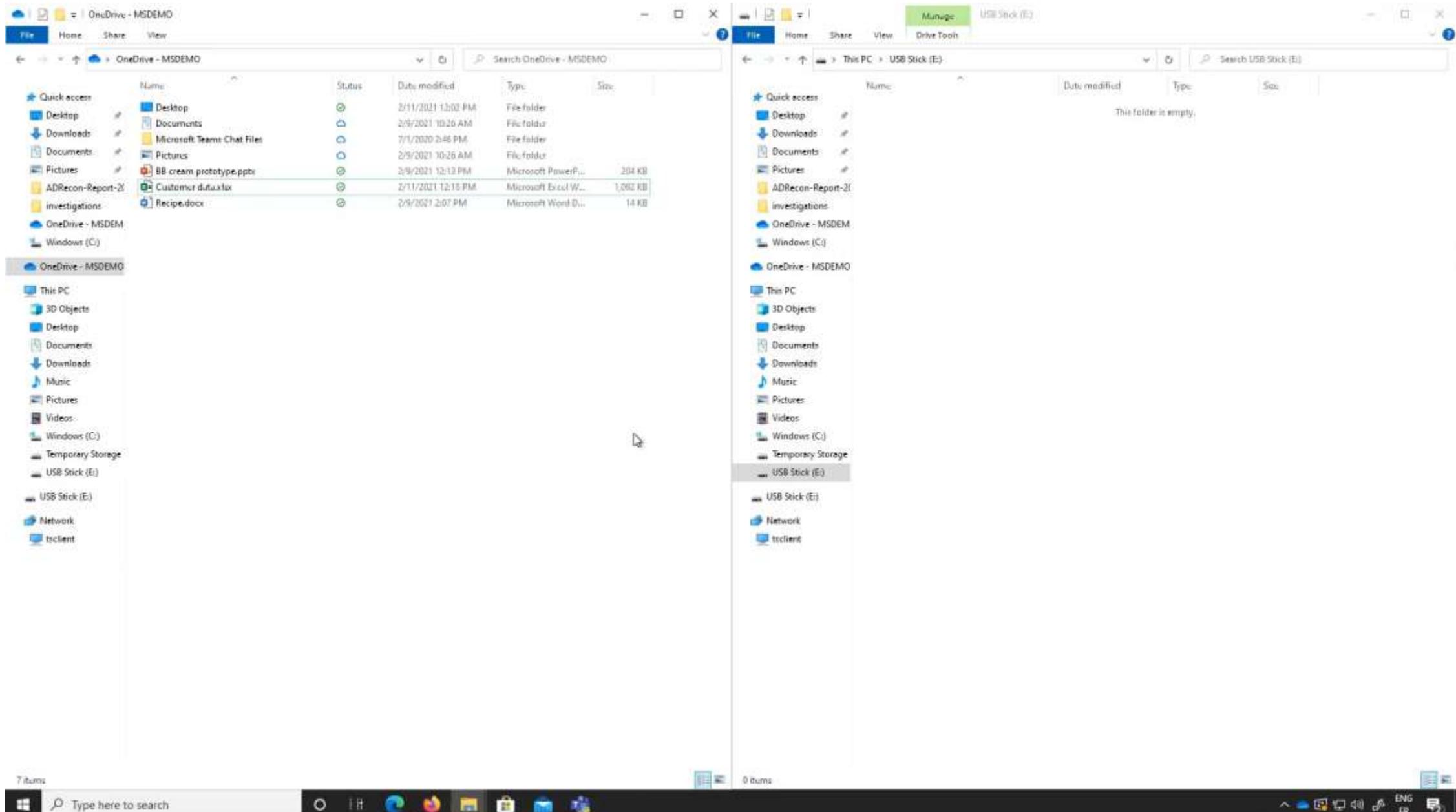
Endpoint devices

Parent

C:\Users\brunod\OneDrive - MSDEMO

[Close](#)

# Prevent print & copy to USB (sensitive data)



# The importance of encryption

A photograph of a man in a pink shirt and brown trousers sitting at a desk, working on a laptop. He is looking down at the screen. In the background, there are several other people working at their desks, and multiple computer monitors displaying various charts and graphs. The scene is slightly blurred, suggesting a busy office environment.

Added layer of defense in depth

Encrypt data at rest and in transit

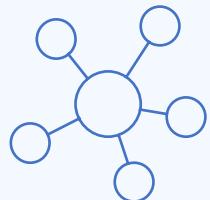
Make data unreadable to unauthorized parties

# Encryption in Microsoft 365 for added protection and control

Data in-transit

Data at-rest

## Network

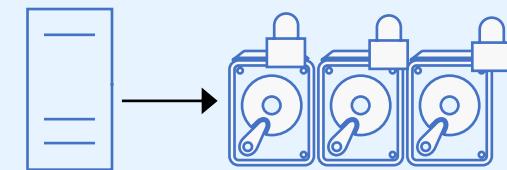


## Content



Emails,  
Documents

## Hardware



Windows  
Server

Disk

## Application



Exchange  
Online  
Mailboxes

SharePoint and  
OneDrive Files

Transport Layer Security (TLS)

Office 365 Message Encryption  
Office 365 Advanced Message Encryption

BitLocker

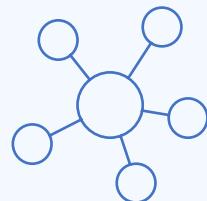
Service Encryption

# Encryption key management options in Microsoft 365

Data in-transit

Data at-rest

## Network

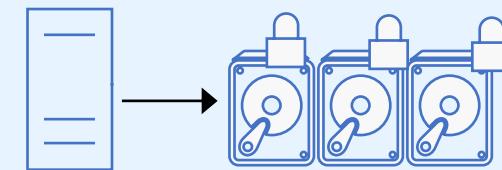


## Content



Emails,  
Documents

## Hardware



Windows  
Server

Disk

## Application



Exchange  
Online  
Mailboxes



SharePoint and  
OneDrive Files

Bring Your Own Key (BYOK)

Hold Your Own Key (HYOK)  
Double Key Encryption

Customer Key

Microsoft Managed Key



SharePoint



OneDrive



PowerBI



Teams



Office

# MIP

Consistent and pervasive across the platform



Azure



MCAS



Exchange

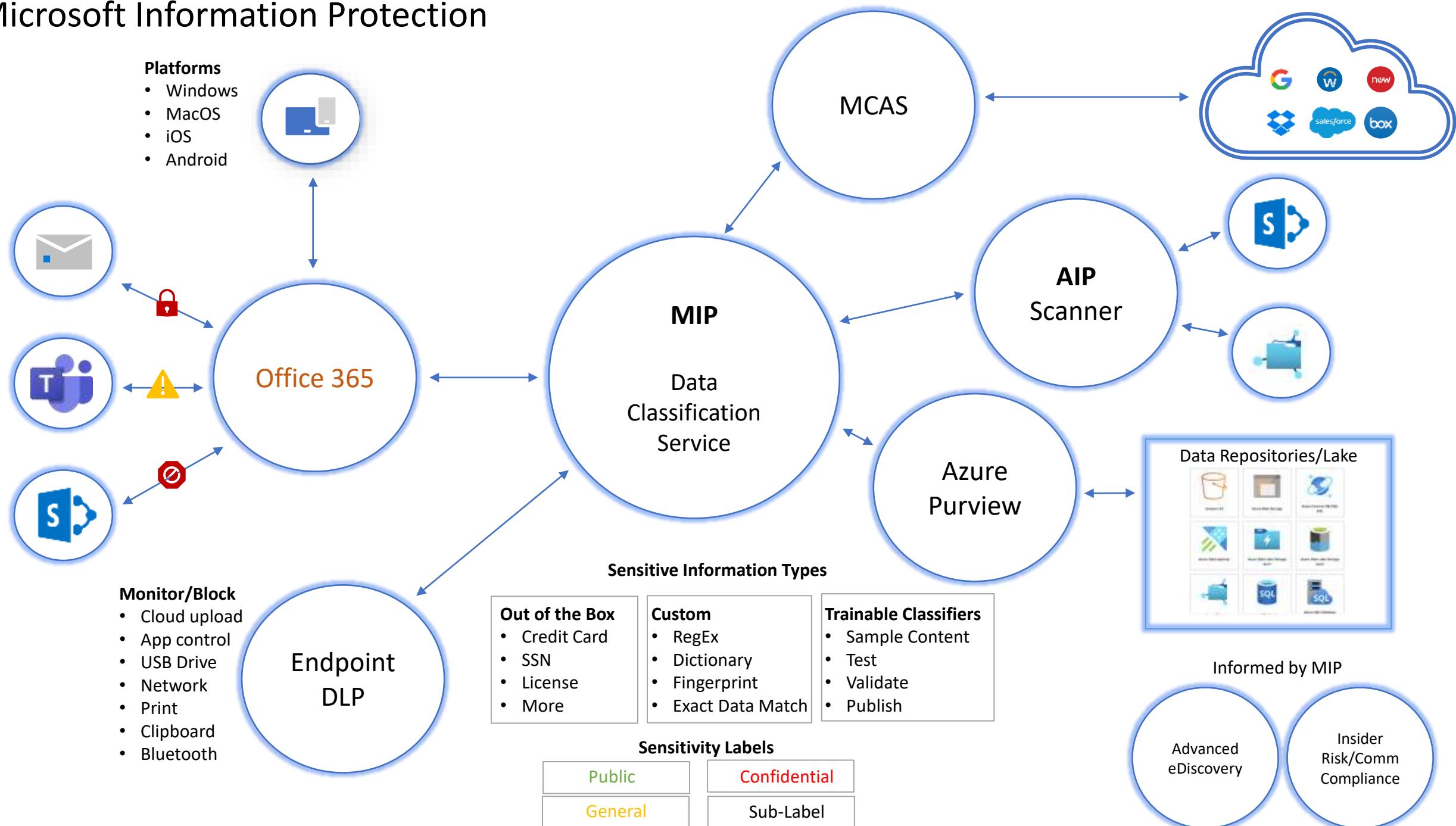


Windows



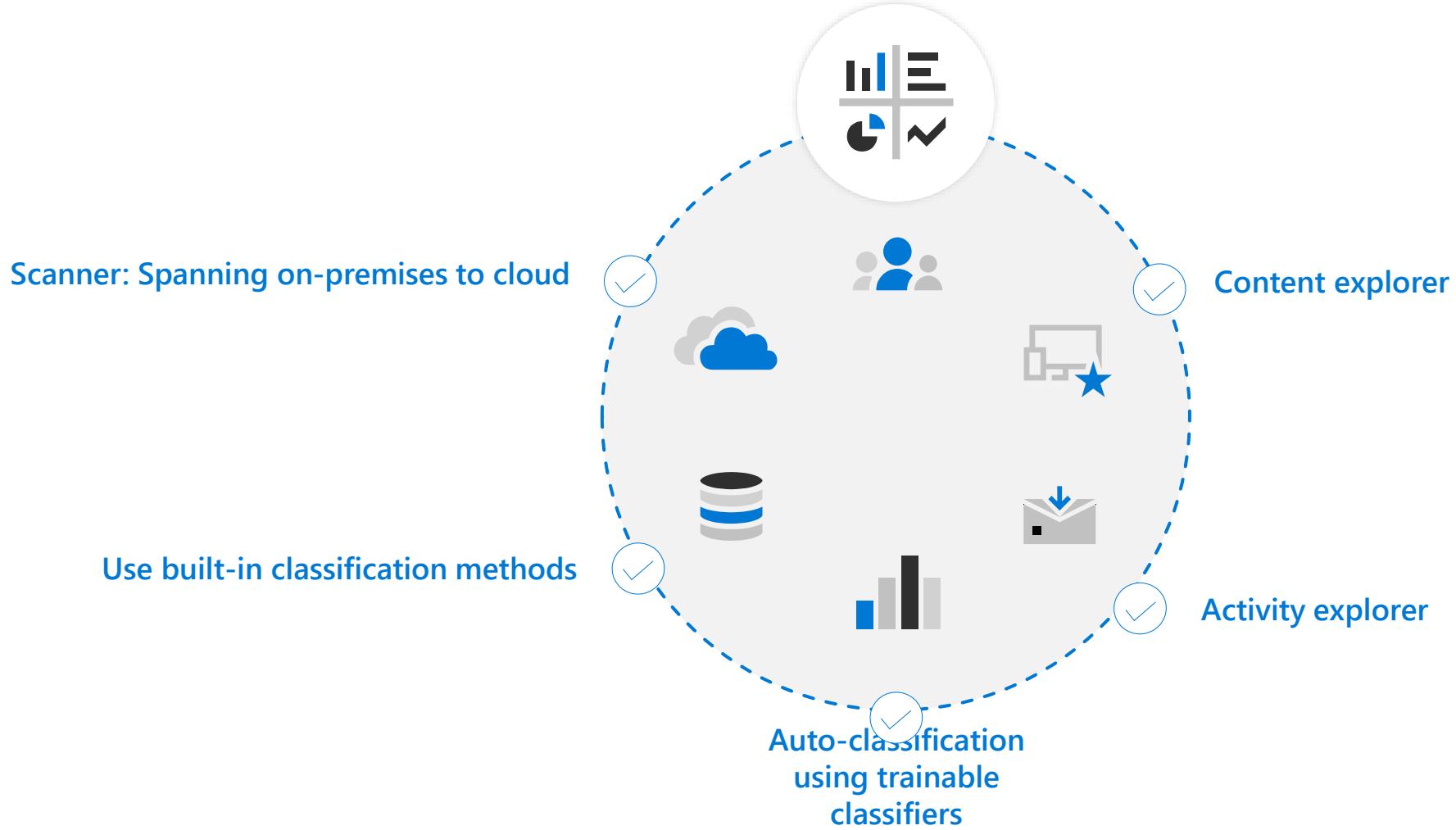
Edge

# Microsoft Information Protection



# Flexible options to know your data

Understand what's sensitive, what's business critical & across your environment



# Best practice: Think across all environments

					
<b>On-prem</b>	<b>Office Apps Across Platforms</b>	<b>SharePoint Sites Teams, Office 365 Groups</b>	<b>Exchange Online</b>	<b>SharePoint Online</b>	<b>Non-Microsoft Clouds and SaaS apps</b>
Classify and label data in on-prem repositories	Label and protect Office files natively across Windows, Mac, iOS, Android and Web Clients	Label and protect sensitive SharePoint Sites, Teams, Office 365 Groups, PowerBI artifacts	Automatically label and protect sensitive emails in Exchange Online	Automatically label and protect sensitive files in SharePoint Online and OneDrive for Business	Extend protection through Microsoft Cloud App Security to third party clouds and SaaS apps

[Unified Label Management in Microsoft 365 Compliance center](#)

# Best practice: Think across all environments



On-prem

Classify and label  
data in on-prem  
repositories

---

[Unified Label Management in Microsoft 365 Compliance center](#)

# Discover and classify on-premises files

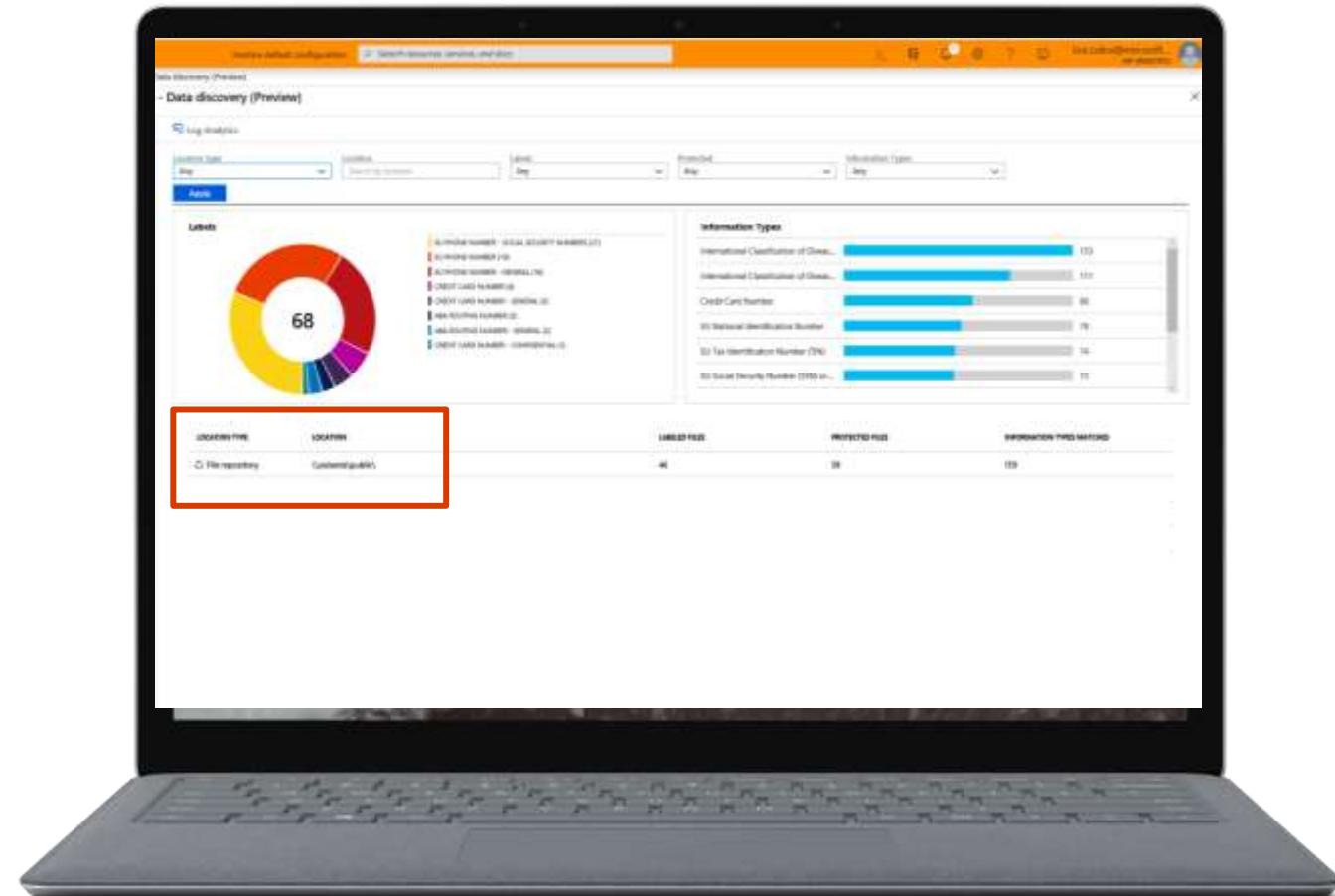
Helps you manage sensitive data prior to migrating to Office 365 or other cloud services

Use **discover** mode to identify and report on files containing sensitive data

Use **enforce** mode to automatically classify, label and protect files with sensitive data

Can be configured to scan:

- SMB file shares
- SharePoint Server 2016
- SharePoint Server 2013



# On premises DLP as part of Microsoft DLP solution

- SharePoint DLP
- Exchange Online DLP
- Endpoint DLP
- DLP for 3<sup>rd</sup> party cloud (Microsoft Cloud App Security)
- DLP for On-premises (AOP scanner integration)

## MAP

### Network discovery

- Scan IP ranges for file shares
- Discovery on-prem SP sites
- Report public access
- Report full ACLs for discovered repos

## MONITOR

### Discover and report

- Discover potential leaks of sensitive files
- Discover and report oversharing of files and shares
- Report files and share ACLs \*
- Discover actual usage and compare to set ACLs \*

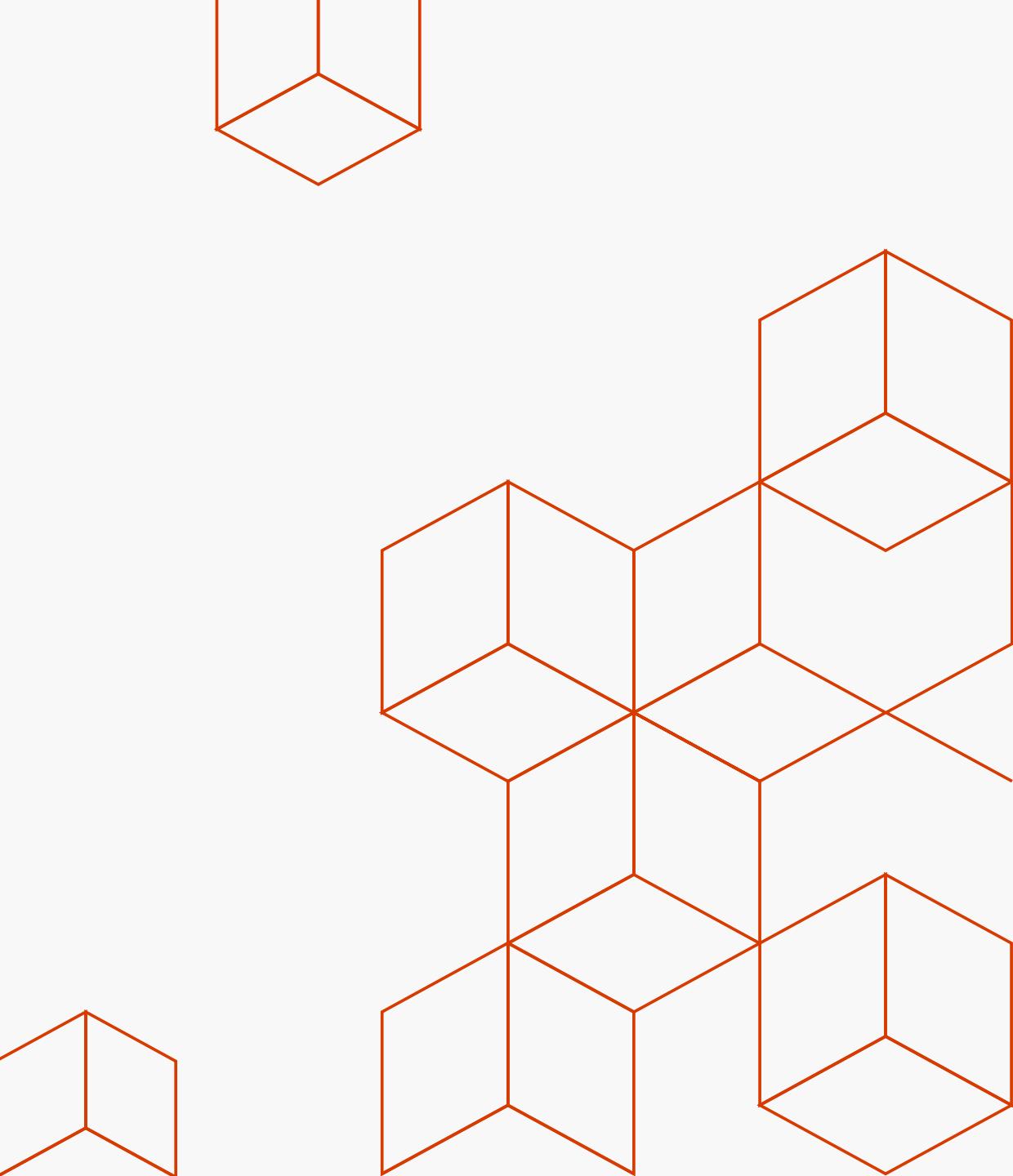
## MITIGATE

### Prevent data leak

- Quarantine
- Make private - Owner / Admin
- Remove Public access
- Inherit permissions from repo
- Restrict access / Set ACLs \*

<Https://aka.ms/Preview-onpremDLP>

# DLP in Microsoft Teams



Search or type a command



Activity

Recents

Contacts

Pinned

Ray Tanaka 1:40 PM  
Louisa will send the initial list of attendees

Beth Davies 1:43 PM  
Thanks, that would be nice

Kayo Miwa 4/17  
I reviewed with the client on Tuesday, she...

Will, Kayo, Eric, Jazmie, +2 12:00 PM  
Kayo: It would be great to sync with you bo...

MJ Price 1:20 PM  
I haven't checked available times yet

Chris Naidoo 5/23  
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Daichi Fukuda 6/4  
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Babak Shammas 10:08 AM  
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Can you send me information about the t...

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Feedback

Store

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Conversation Files Activity +

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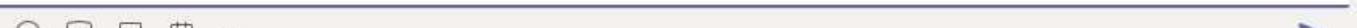
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Expiration: 11/2021  
CVV: 155  
SSN: 522-19-2931

Name: Kayo Miwa  
Number: 5458057271187995  
Expiration: 06/2021  
CVV: 646  
SSN: 088-19-2931



Search or type a command



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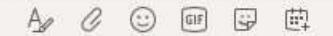
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Type a message



Search or type a command



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Type a message



Search or type a command



Feed

Your message was blocked Just now  Message contains sensitive content Chat with Marie Beaudouin (Guest)

Sarah, Reta, Miguel, +2 2h ago  Northwind Traders / Marketing I haven't checked the latest deck but the comps that Marie sent are in the Design ch...

Will Little 3h ago  Add you to Tailspin Toys

Aadi Kapoor 3h ago  Northwind Traders / Announcements @NorthwindTraders

David Power 4h ago  Northwind Traders / Strategy Yes that was also my thinking. But I am hesitatnt to only go in with 2 approaches...

Pete Turner 4h ago  Northwind Traders / Design I really like this direction. I'm a huge fan of option 2, don't care too much for option 3...

Kadji Bell 4h ago  Northwind Traders / Finance Daniela, can you please approve the timesheets from your vendors?

Danielle Booker 5h ago  Northwind Traders / Strategy Can you send me available times for next week please? Daniela

Babak Shammas 5h ago  Northwind Traders / General I can get on board with that. THanks for taking a look! Would you mind cc-ing Dan...

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Conversation Files Activity +

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Marie Beaudouin (Guest)

Conversation Files Activity +

Marie Beaudouin (Guest) 5/3 Thank you for always being so positive!

I will push Krystal to give us a few more days. That shouldn't be a problem.

Your message was blocked because it contains sensitive data

- Credit card details
- Social security number

Here's what you can do

Override the policy and send the message, or report this to your admin if you think the message was blocked in error.

Override and send.

Report this to my admin. It doesn't contain sensitive data.

Cancel Confirm

SSN: 088-19-2931

187995

Type a message

...



Feed

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Chat with Marie Beaudouin

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 Override and send. Report this to my admin. It doesn't contain sensitive data.CancelConfirm

Message blocked. What can I do?

It's good to know that sensitive data was detected. Here are some steps you can take:

691446

187995

SSN: 088-19-2931

Marie Beaudouin (Guest) 2:01 PM  
Sounds good!

Type a message





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You: That's cool!
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Nah, I would not worry about it

Activity

Chat

Teams

Meetings

Calls

Files

...

Feedback

Store

# Marie Beaudouin (Guest)

Conversation    Files    Activity    +

Marie Beaudouin (Guest) 6/3  
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Type a message

A C G I S ...



- Activity
- Chat
- Teams
- Meetings
- Calls
- Files
- ...
- Feedback
- Store

## Recents Contacts

## Pinned

Chris Naidoo 5/23  
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## Daniela Mandera

Conversation Files Organization Activity +

6/3  
Thank you for always being so positive!

I will push Krystal to give us a few more days. That shouldn't be a problem.

Can you send me information about the two at risk patients, while we wait for Krystal.

This message was blocked due to sensitive content. What's this?

6/3  
Sounds good!

Type a message

A C S G F T ...



- Recents
- Activity
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Type a message

A C S G F T ...



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6/3  
Sounds good!

# Office 365 DLP for Teams



Exchange  
Online



SharePoint  
Online



OneDrive  
for Business



Office  
desktop apps



Microsoft  
Teams

Email in transport  
Email body  
Attachments  
Include or exclude groups

Any file that can be crawled  
Files used in Teams sites  
Include or exclude sites

Same file types as SharePoint  
Include or exclude accounts

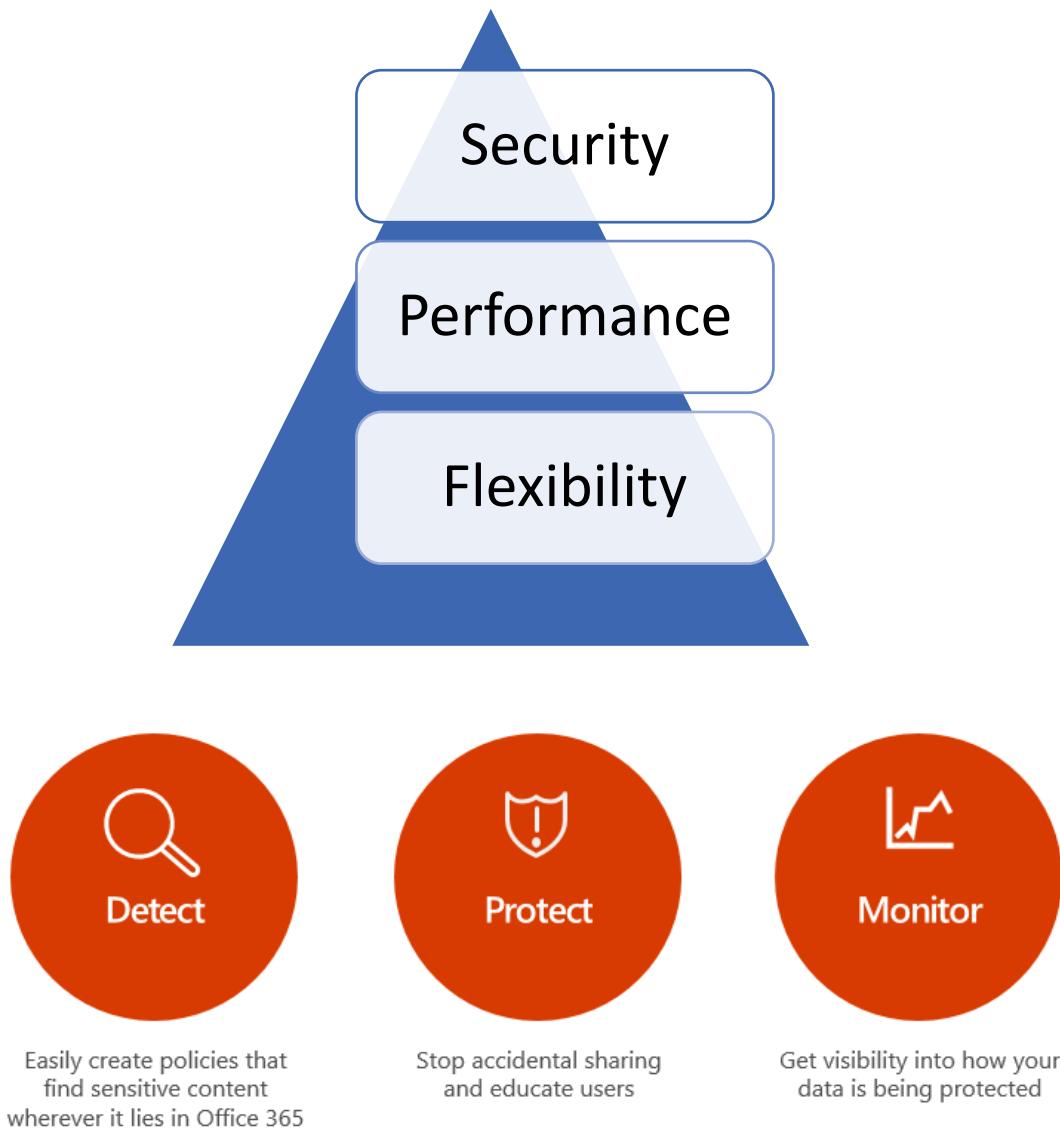
In-app policy tips  
Word  
PowerPoint  
Excel  
Outlook

Protection for Messages and Files

Policy tips  
Block sharing  
User overrides  
Notification emails

Admin Alerts  
Incident Reports  
Integration with Activity API  
Custom Sensitive Types

# Data Loss Prevention



## DLP Providers for Microsoft Teams

- 1<sup>st</sup> Party: Office 365 DLP
  - Protection through storage of files in OD4B and SPO
  - Protection and classification thru O365 DLP Engine
- 3rd Party DLP Providers (Skyhigh, Actiance, etc..)

**Protection**

- Messaging
- Files

**Sharing of data**

- Internal
- External

**DLP Mode**

- Passive (v1)
- Intercept

**Scoping**

- Per User
- Per Team

## Primary DLP Scenarios in Teams where sensitive data is involved

- File sharing with external users
- Chats & channel messages with External users
- Sensitive content being shared within inappropriate teams/channels

Search or type a command

-□X

Chat

Recents A-Z

Favorites

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- Chris Naidoo 5/23  
You: Thanks! Have a nice weekend
- Daichi Fukuda 6/4  
No, I think there are other alternatives we c...
- Babak Shamma 10:08 AM  
Is this a weird interaction?
- Kian Lambert 6/2  
Have you ran this by Beth? Make sure she is...
- Charlotte de Crum 6/3  
Let's set up a brainstorm session for tomor...

Recent

- Charlotte and Babak 1:58 PM  
I asked the client to send the feedback by e...
- Krystal McKinney 1:55 PM  
Yes!
- Marie Beaudouin 2:00 PM  
Sound good!
- David Power 1:50 PM  
Cool, look forward to the update
- Keiko Tanaka 6/5  
You: That's cool!

Activity

Chat

Teams

Meetings

Calls

Files

...

Feedback

Store

Marie Beaudouin Conversation Files Organization Activity +

Marie Beaudouin 6/3  
Thank you for always being so positive!

I will push Krystal to give us a few more days. That shouldn't be a problem.

We haven't had a break in awhile.

6/3  
I don't have the file yet, but here are some cards and information I have handy that you can use:

Name: Bobby Lee  
Number: 5432180476691446  
Expiration: 11/2021  
CVV: 155

Name: Adam Jacks  
Number: 5458057271187995  
Expiration: 06/2021  
CVV: 646

SSN: 08-819-2931  
Passport: AE453412

Marie Beaudouin 6/3  
Sounds good!

Type a message

A      

Sender's View

Your message was blocked.

Chat with Marie Beaudouin



Sender's  
View

Activity

Babak Shammas Just now @ Northwind Traders / General I can get on board with that. THanks for taking a look! Would you mind cc-ing Dan...

Keiko Tanaka 2m ago @ Northwind Traders / Marketing I haven't checked the latest deck but the comps that Marie sent are in the Design ch...

Your message was blocked 1h ago Chat with Marie Beaudouin

Sarah, Reta, Miguel, +2 2h ago Northwind Traders / Marketing I haven't checked the latest deck but the comps that Marie sent are in the Design ch...

Will Little 3h ago Add you to Tailspin Toys

Aadi Kapoor 3h ago Northwind Traders / Announcements @NorthwindTraders

David Power 4h ago Northwind Traders / Strategy Yes that was also my thinking. But I am hesitatnt to only go in with 2 approaches...

Pete Turner 4h ago Northwind Traders / Design I really like this direction. I'm a huge fan of option 2, don't care too much for option 3...

Kadji Bell Just now @ Northwind Traders / Finance Daniela, can you please approve the timesheets from your vendors?

Danielle Booker 5h ago @ Northwind Traders / Strategy Can you send me available times for next week please? Daniela

Marie Beaudouin Conversation Files Organization Activity +

Marie Beaudouin 6/3 Thank you for always being so positive!

I will push Krystal to give us a few more days. That shouldn't be a problem.

We haven't had a break in awhile.

This message was blocked. What can I do?

I don't have the file yet, but here are some cards and information I have handy that you can use:

Name: Bobby Lee  
Number: 5432180476691446  
Expiration: 11/2021  
CVV: 155

Name: Adam Jacks  
Number: 5458057271187995  
Expiration: 06/2021  
CVV: 646

SSN: 08-819-2931  
Passport: AE453412

Type a message

Activity

Chat

Teams

Meetings

Calls

Files

...

Feedback

Store

Search or type a command

Marie Beaudouin

Conversation

Files

Organization

Activity

+

Video

Phone

...

Sender's View

The message blocked toast notification is also in activity feed

Activity (2)

Chat (1)

Teams (1)

Meetings

Calls

Files

...

Feedback

Store

## Chat

Recents A-Z

## Favorites

- Ray Tanaka 1:40 PM  
Louisa will send the initial list of attendees
- Beth Davies 1:43 PM  
Thanks, that would be nice
- Kayo Miwa 4/17  
I reviewed with the client on Tuesday, she h...
- Will, Kayo, Eric, Jazmie, +2 12:00 PM  
Kayo: It would be great to sync with you bo...
- MJ Price 1:20 PM  
I haven't checked available times yet
- Chris Naidoo 5/23  
You: Thanks! Have a nice weekend
- Daichi Fukuda 6/4  
No, I think there are other alternatives we c...
- Babak Shamma 10:08 AM  
Is this a weird interaction?
- Kian Lambert 6/2  
Have you ran this by Beth? Make sure she is...
- Charlotte de Crum 6/3  
Let's set up a brainstorm session for tomor...

## Recent

- Daniela Mandera 2:00 PM  
Sounds good!
- Charlotte and Babak 1:58 PM  
I asked the client to send the feedback by e...
- Krystal McKinney 1:55 PM  
Yes!
- David Power 1:50 PM  
Cool, look forward to the update
- Keiko Tanaka 6/5  
You: That's cool!



Daniela Mandera

Conversation

Files

Organization

Activity

+

Search or type a command



6/3

Thank you for always being so positive!

I will push Krystal to give us a few more days. That shouldn't be a problem.

We haven't had a break in a while

6/3

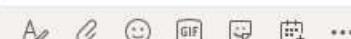
Sounds good!



This message was blocked due to sensitive content. What's this?

Recipient's View

Type a message



Search or type a command

Activity

Chat

Favorites

Recents A-Z

Marie Beaudouin Conversation Files Organization Activity +

Ray Tanaka 1:40 PM Louisa will send the initial list of attendees

Beth Davies 1:43 PM Thanks, that would be nice.

Kayo Miwa 4/17 I reviewed with the client on Tuesday, she h...

Will, Kayo, Eric, Jazmie, +2 12:00 PM Kayo: It would be great to sync with you bo...

MJ Price 1:20 PM I haven't checked available times yet

Chris Naidoo 5/23 You: Thanks! Have a nice weekend

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Charlotte de Crum 6/3 Let's set up a brainstorm session for tomor...

Recent

Marie Beaudouin 2:00 PM Sounds good!

Charlotte and Babak 1:58 PM I asked the client to send the feedback by e...

Krystal McKinney 1:55 PM Yes!

David Power 1:50 PM Cool, look forward to the update

Keiko Tanaka 6/5 You: That's cool

Your message was blocked because it contains sensitive data

- Credit card details
- Passport info
- Social Security number

Here's what you can do

Override the policy and send the message, or report this to your admin if you think the message was blocked in error.

Override and send.

Report this to my admin. It doesn't contain sensitive data.

Cancel Confirm

Sender's View

Type a message

...

Search or type a command

- □ X

Activity

Chat

Teams

Meetings

Calls

Files

...

Feedback

Store

Chat

Recents A-Z

Favorites

- Ray Tanaka 1:40 PM  
Louisa will send the initial list of attendees
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You: That's cool!

Marie Beaudouin Conversation Files Organization Activity +



Marie Beaudouin 6/3

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Number: 5458057271187995  
Expiration: 06/2021  
CVV: 646

SSN: 08-819-2931  
Passport: AE453412

Marie Beaudouin 6/3

Sounds good!

Type a message

A      

Message sent

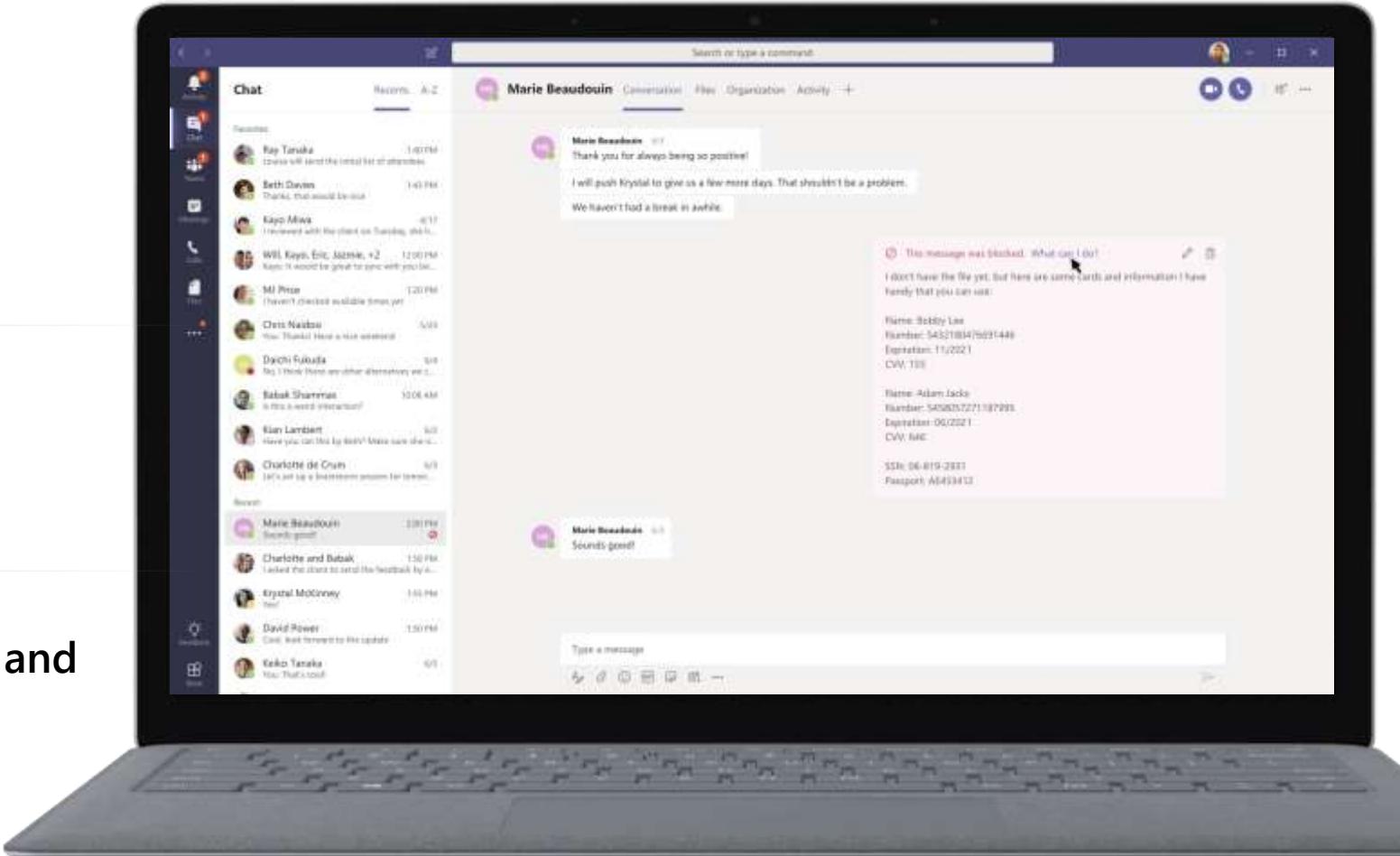
Sender's View

# Demo: Data loss prevention for Microsoft Teams chat & channel conversations

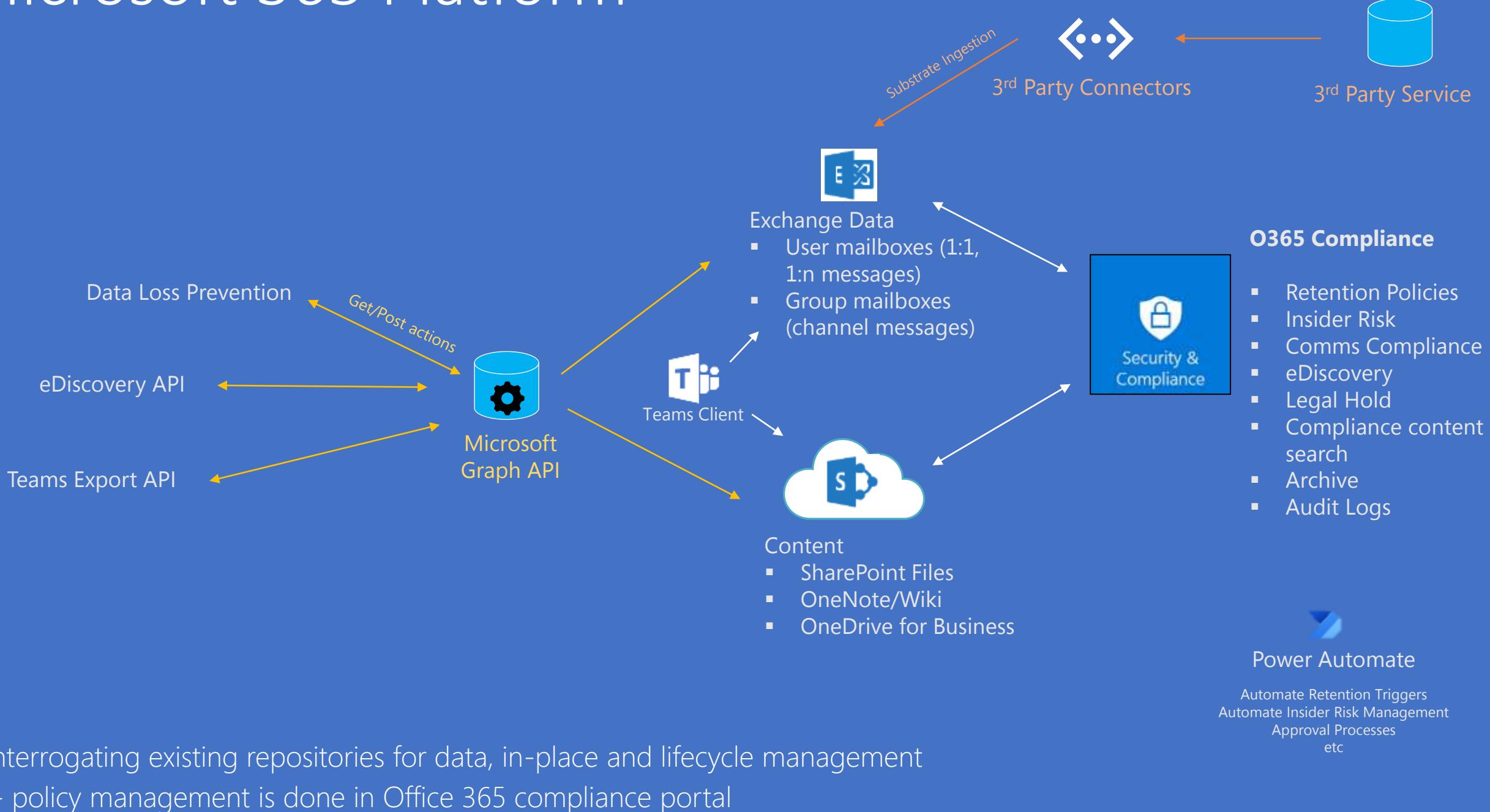
Automatically block messages that contains sensitive information

Educate and guide end-users with notifications and “policy tips”

Leverages same classification engine and 90+ sensitive information types

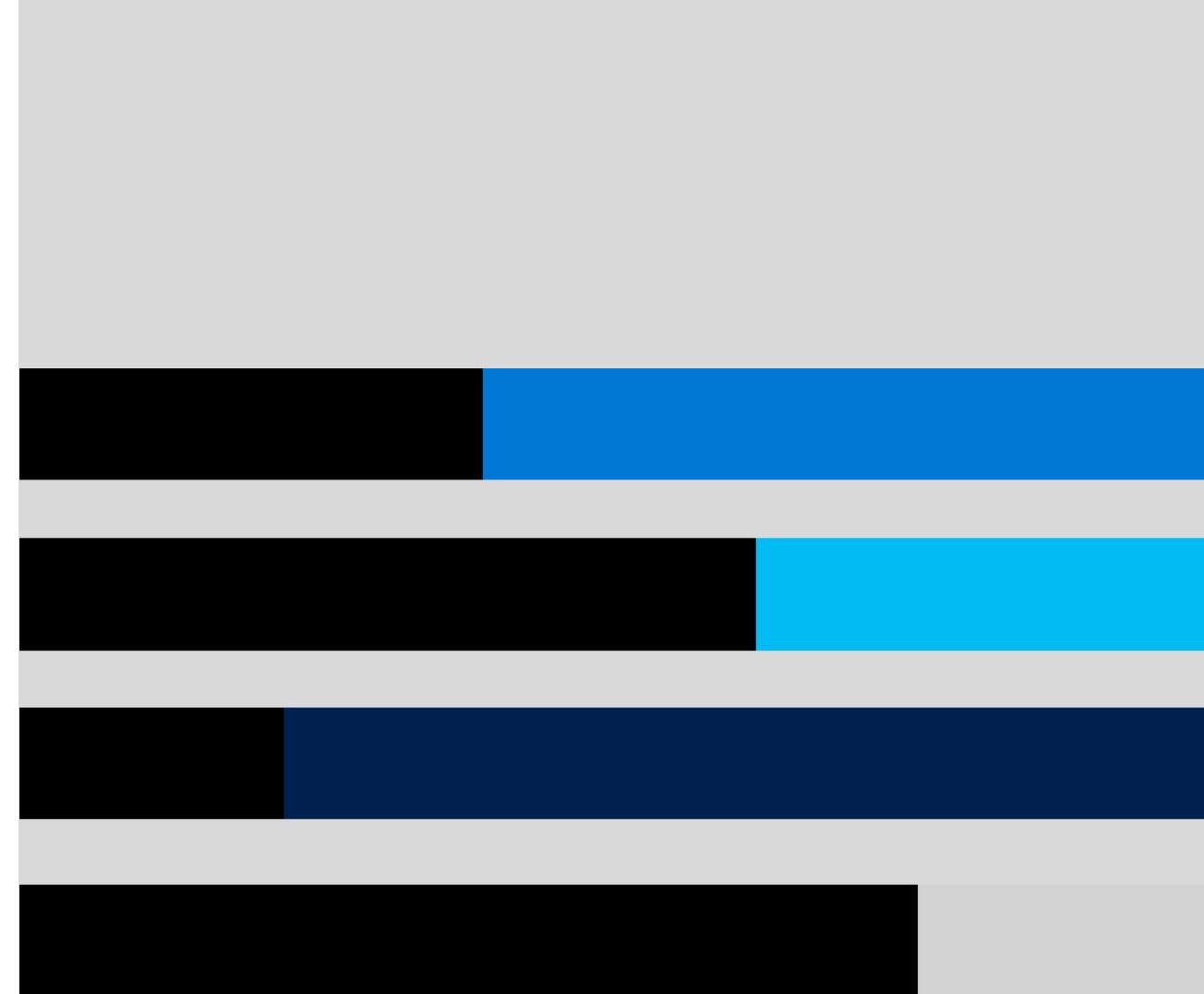


# Microsoft 365 Platform

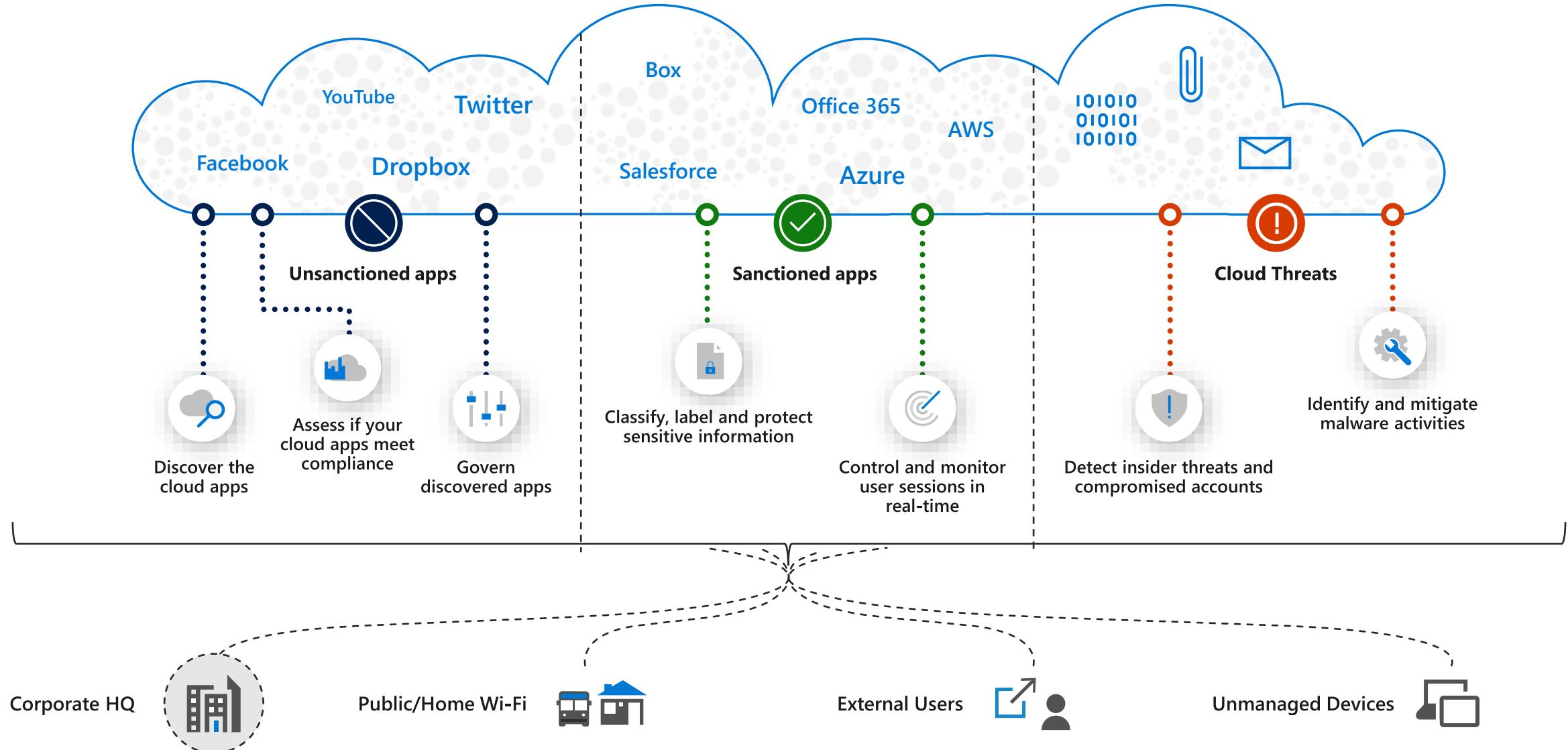




# MICROSOFT CLOUD APP SECURITY



# TOP CASB USE CASES

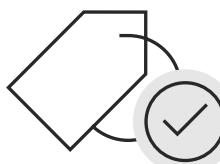


# MICROSOFT INFORMATION PROTECTION SOLUTIONS

Comprehensive protection of sensitive data throughout its lifecycle—across devices, apps, cloud services, and on-premises



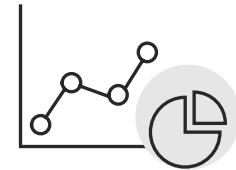
Discover



Classify

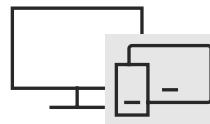


Protect

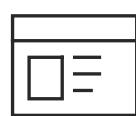


Monitor

Across



Devices



Apps



Cloud services



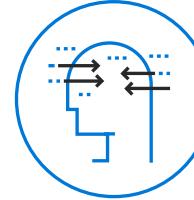
On-premises

# DISCOVERY



## Identify cloud apps and services

- >16,000 cloud apps and services from our catalog
- Custom apps



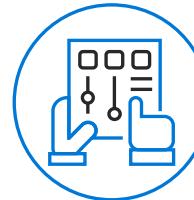
## Understand the risk

- Assessment across >70 risk factors
- Regulatory certifications, compliance standards (e.g. GDPR), industry standards and best practices
- Risk score calculation - can be customized based on the priorities of your organization



## Understand usage patterns

- Traffic data
- Top users and IP addresses
- App categories
- Machine-based investigation via native integration with Windows Defender ATP



## Take control

- Sanction or un-sanction apps
- Onboard apps to Azure Active Directory
- Block apps natively with Zscaler
- C-level report & recommendations

# Cloud Discovery with Microsoft Defender for Endpoint

- Discovery of cloud apps beyond the corporate network from any Windows 10 machine
- Single-click enablement
- Machine-based Discovery
- Deep dive investigation in Windows Defender ATP

Cloud App Security

Cloud Discovery

Dashboard Discovered apps IP addresses Users Machines

QUERIES: Select a query... APP TAG: Sanctioned, Unsanctioned, None RISK SCORE: 0 - 100 COMPLIANCE RISK FACTOR: Select factors... SECURITY RISK FACTOR: Select factors...

Browse by category: T0 Search for category... Cloud storage

App	Score	Traffic	Upload	Transactions	Users	IP addresses	Machines	Last seen (UTC)
Microsoft OneDrive for Cloud storage	10	98.5 GB	65.8 GB	125K	1109	2540	1110	Sep 20, 2018
Dropbox	8	3.5 GB	2.5 GB	11.8K	918	1328	919	Sep 24, 2018
Mozy	7	1.1 GB	732 MB	1.3K	187	127	188	Sep 24, 2018
iCloud	7	1.1 GB	689 MB	1.3K	182	132	182	Sep 24, 2018
iDrive	6	443 MB	272 MB	1.7K	235	174	235	Sep 24, 2018
Livedrive	6	258 MB	180 MB	1.5K	213	157	213	Sep 24, 2018
SugarSync	6	1.5 GB	1.1 GB	1.6K	224	169	225	Sep 24, 2018
BitTitan	6	24 MB	21 MB	1.2K	178	132	178	Sep 24, 2018

④ Continuous report: Win10 Endpoint Users

# Architecture Overview – SWG integration



Enforce Policy



End User



Tenant Bonding

ZScaler NSS

Unsanctioned Apps



SSO



Microsoft Cloud  
App Security

Tenant Bonding

Log Forwarding

API Polling

Create  
Unsanctioned App  
Policy

## Unified Data Classification Service

Unified labelling with Microsoft Information Protection

90 built-in, sensitive information types you can choose from

Ability to configure custom sensitive information types (supports complex patterns with Regex, keywords and large dictionary)

Cloud App Security

Select a sensitive information type

SEARCH CATEGORY TYPE

Search... FINANCIAL MEDICAL & HEALTH PRIVACY GDPR CUSTOM PREDEFINED

1 - 20 of 90 sensitive information types

Name	Category	Type
ABA Routing Number	Financial	Predefined
Argentina National Identity (DNI) Nu...	Privacy	Predefined
Australia Bank Account Number	Financial	Predefined
Australia Driver's License Number	Privacy	Predefined
Australia Medical Account Number	Medical & health	Predefined
Australia Passport Number	Privacy	Predefined
Australia Tax File Number	Financial, Medical & health, Privacy	Predefined

# CONDITIONAL ACCESS APP CONTROL

## Context-aware session policies

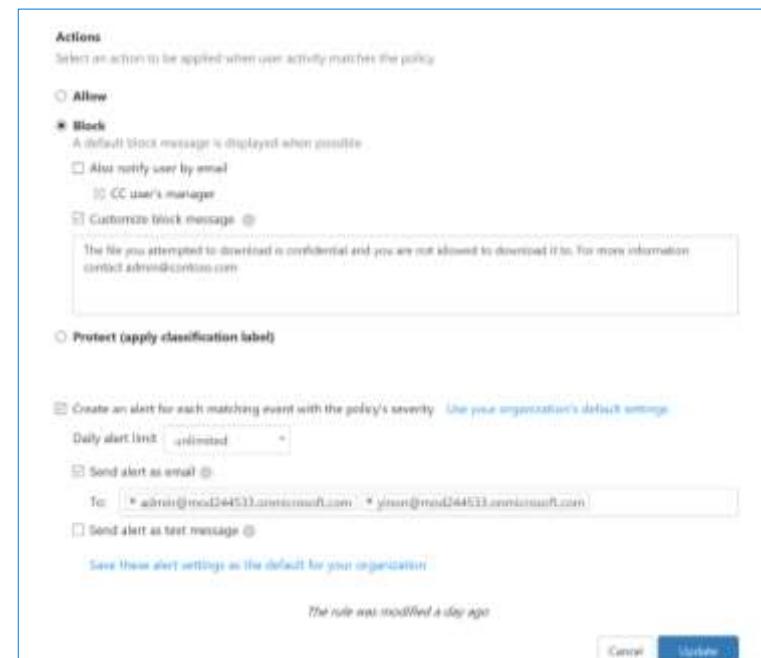
Control access to cloud apps and sensitive data within apps based on user, location, device, and app

## Investigate & enforce app and data restrictions

Enforce browser-based “view only” mode for low-trust sessions. Classify, label, and protect on download. Gain visibility into unmanaged device activity.

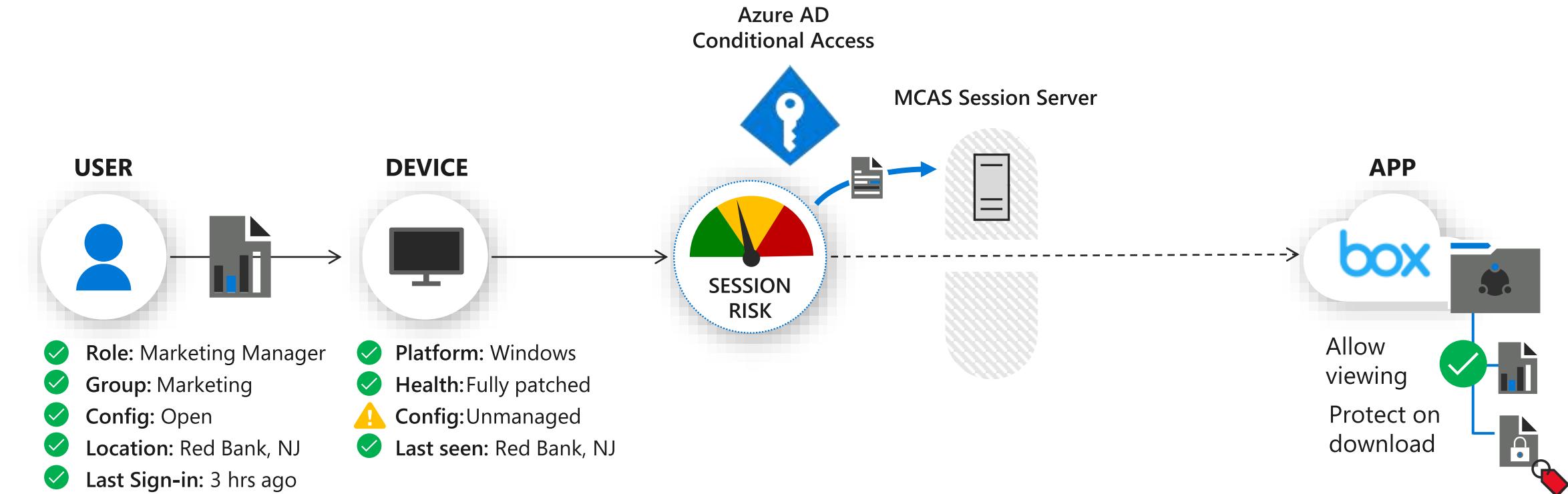
## Unique integration with Azure Active Directory

Limit activities performed within user sessions in SaaS apps based on user identity, location, device state, and detected sign-in risk level.



# USE CASE: PREVENT DOWNLOAD OF FILES

Risk based in-session controls



⚠ Device is unmanaged

# Malware Detection

- Scan cloud storage apps
- Identify potentially risky files
- Powered by Microsoft Threat Intelligence

Cloud App Security

Policies > Malware detection

Infected files History

AUTHORIZATION APP OWNER ACCESS LEVEL Advanced

Select apps... Select users... Select access level...

1 - 6 of 6 files

File name	Malware	Confidence	Owner	App	Collaborators	Status	Detection date
eic...	EIC...	High	Super Ad...	Box ...	1 coll...	I...	Jul 19, 2018
Path: All Files - <a href="#">View hierarchy</a>				URL: <a href="https://app.box.com/files/0/f/0/f_300544144254">https://app.box.com/files/0/f/0/f_300544144254</a>			
Type: text	Owner: Super Admin (mcas-tes...)	Created: Jun 25, 2018	Policies: G56: Publicly Shared ...				
MIME type: text/plain	Owner OU: —	Modified: Jun 25, 2018	Classification labels: —				
File identifiers: <a href="#">View file identifiers</a>	Collaborators: 1 collaborator	File size: ~68 B	Scan status: 2 completed				
Malware: EICAR-Test-File, EIC...							
eic...	EIC...	High	Super Ad...	Box ...	Jun 25, 2018		
HR...	DOS...	High	MCAS Te...	Micro...	3 coll...	I...	Apr 11, 2018

# OAuth App Permissions

- Monitor cloud permissions authorized by your users.
- Act on suspicious apps
- Define automated app permission policies

Cloud App Security

Manage app permissions

Office 365 G Suite Salesforce

APP USER NAME APP STATE COMMUNITY USE PERMISSIONS Advanced

Select apps... Select users... Select value... Select value... Select permission...

IK+ 1 - 16 of 16 apps New policy from search

Name	Authorized by	Permission level	Last authorized	Actions
asc-cas integration rs	2 users	High	Aug 14, 2018, 2:19 PM	:
FastTrack	1 user	Low	Apr 6, 2018, 10:00 PM	:
Spanning Backup	1 user	Low	Aug 14, 2018, 9:05 AM	:
Graph Explorer	1 user	Low	Jan 12, 2018, 1:33 AM	:
Office 365 Service Trust...	1 user	Medium	Sep 11, 2018, 7:01 PM	:
Azure AD Connector - P...	1 user	High	Sep 5, 2018, 4:45 AM	:
AvePoint Online Services	1 user	Low	Aug 21, 2018, 10:32 AM	:

# Next steps

Use Microsoft Cloud App Security to [discover Shadow IT](#) in your network and assess the risks of detected cloud apps

[Connect your Cloud Apps](#) to Microsoft Cloud App Security to detect suspicious user activity and exposed sensitive data

[Configure](#) Conditional Access App Control to take control of restrict in real time access to data based on rich session context



# New API's available <-->

## Teams Data Loss Prevention (DLP) API: (Generally Available)

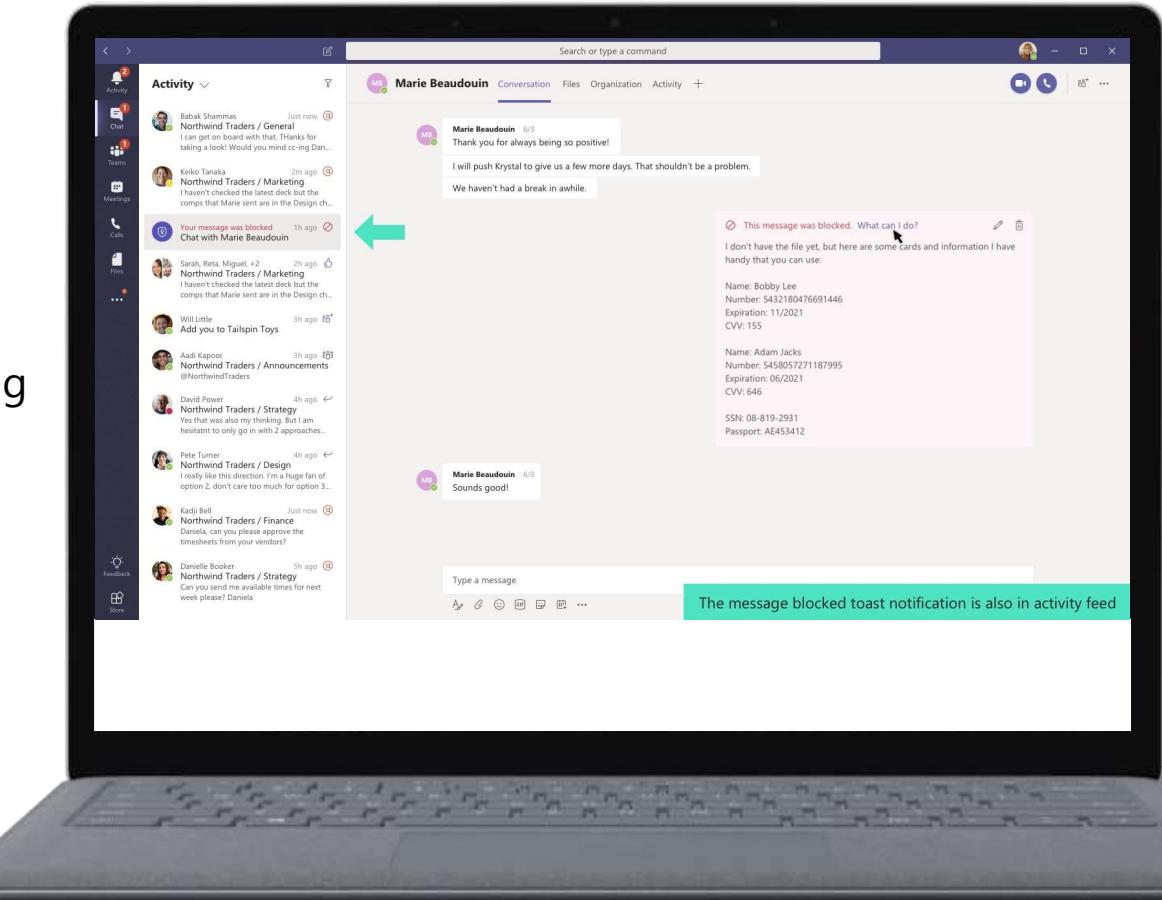
Allows third-party products to integrate and enable data loss prevention capabilities for Microsoft Teams.

## eDiscovery API: (Public Preview)

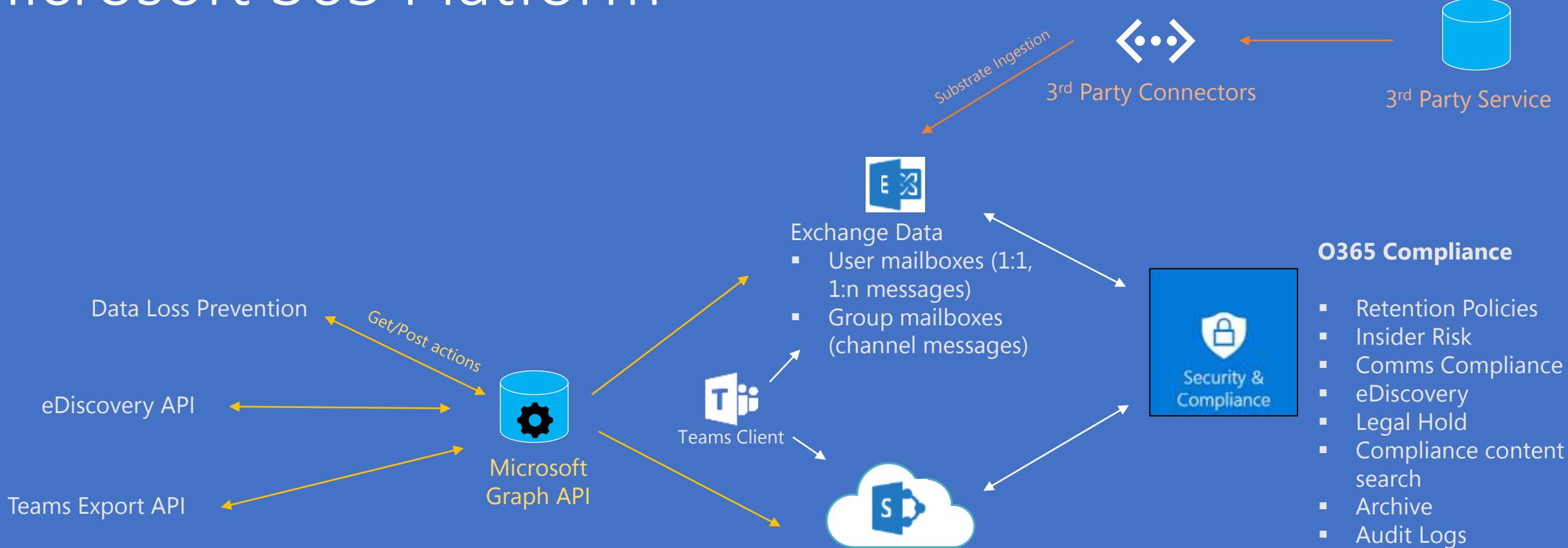
Allows the automation of Advanced eDiscovery processes, including case creation and the entire legal hold notification workflow, to communicate with custodians involved in a case.

## Teams Export API: (Public Preview)

Allows the export of Teams Messages (1:1 and group chat) along with attachments (file links and sticker), emojis, GIFs and user @Mentions. This API supports polling daily Teams messages and allows archiving of deleted messages up to 30 days.



# Microsoft 365 Platform



## O365 Compliance

- Retention Policies
- Insider Risk
- Comms Compliance
- eDiscovery
- Legal Hold
- Compliance content search
- Archive
- Audit Logs



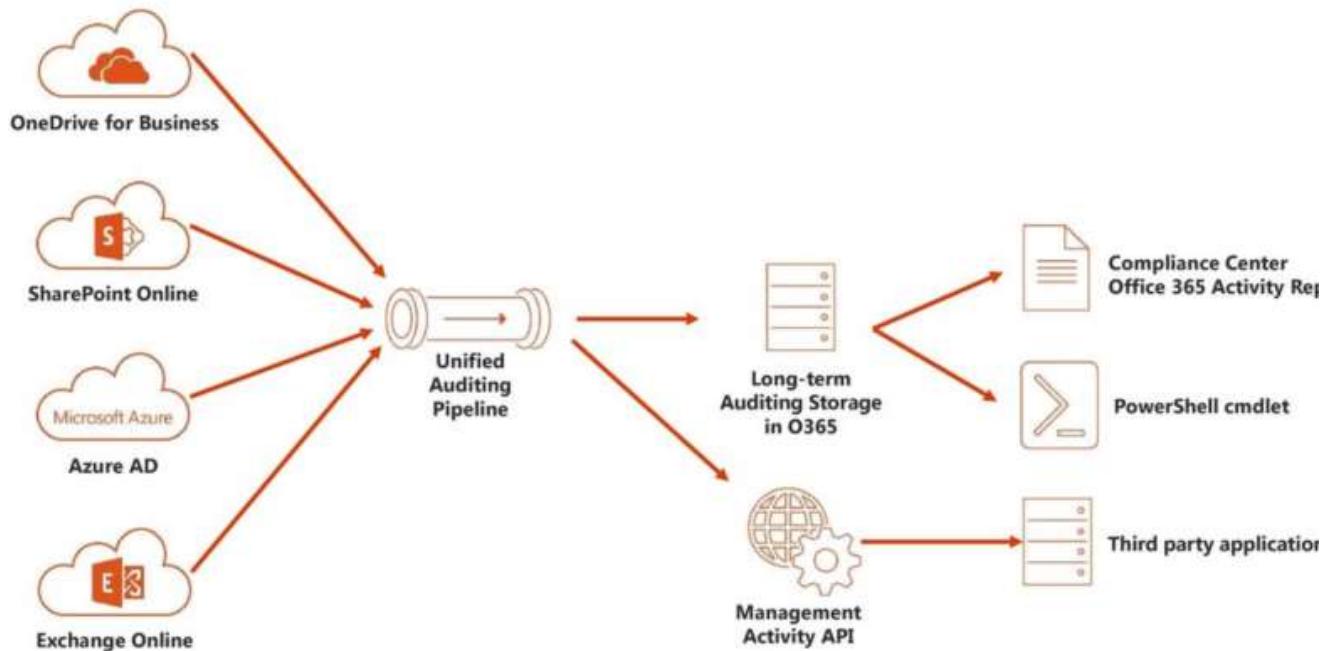
## Power Automate

Automate Retention Triggers  
Automate Insider Risk Management  
Approval Processes  
etc

Interrogating existing repositories for data, in-place and lifecycle management  
- policy management is done in Office 365 compliance portal

# Management API's

## Office 365 Activity API



## Activity Logs (not content)

- 90 days in O365 audit
- >365 days E5
- 10 year retention (option)

# Audit Log Search

Need to find if a user viewed a specific document or purged an item from their mailbox? If so, you can use the Office 365 Security & Compliance Center to search the unified audit log to view user and administrator activity in your Office 365 organization.

**Audit log search**

Activities

Show results for all activities ▾ A

Start date  
2015-12-04 00:00

End date  
2015-12-11 00:00

Users  
Leave blank to show results for all users C

File, folder, or site  
Add all or part of a file name, folder name, or site URL D

Clear Search

<a href="#">File and page activities</a>	<a href="#">Folder activities</a>	<a href="#">Sharing and access request activities</a>
<a href="#">Synchronization activities</a>	<a href="#">Site administration activities</a>	<a href="#">Exchange mailbox activities</a>
<a href="#">Sway activities</a>	<a href="#">User administration activities</a>	<a href="#">Azure AD group administration activities</a>
<a href="#">Application administration activities</a>	<a href="#">Role administration activities</a>	<a href="#">Directory administration activities</a>
<a href="#">eDiscovery activities</a>	<a href="#">Power BI activities</a>	<a href="#">Microsoft Teams activities</a>
<a href="#">Yammer activities</a>	<a href="#">Microsoft Stream</a>	<a href="#">Exchange admin activities</a>
<p>Results 547 results found</p> <p>Date ▾ User Item Detail</p> <p>2015-09-21 16:48:33 admin admin_contoso_com_SThumb.jpg Viewed in User Photos/Profile Pi...</p> <p>2015-09-21 16:49:16 admin admin@contoso.com Accessed file Run the Office 365 activity repor... Viewed in Documents</p> <p>2015-09-21 16:49:28 admin@contoso.com Downloaded file Run the Office 365 activity repor... Downloaded from Documents</p> <p>2015-09-21 16:49:44 v-temp@contoso.com Accessed file IT Dept Salaries.docx Viewed in IT_Execs_Only</p> <p>2015-09-21 16:50:27 ping@contoso.com Modified file Olympics (Sample).xlsx Modified in Documents</p> <p>2015-09-21 16:50:28 admin@contoso.com Renamed file Scale Auditing - Exchange2.pptx Renamed to Scale Auditing_Final</p> <p>When the search is finished, the number of results found is displayed.</p> <p>Filter results Export results ▾</p>		

- Home
- Compliance Manager
- Data classification
- Data connectors
- Alerts
- Reports
- Policies
- Permissions

---

- Solutions
- Catalog
- Audit
- Content search
- Communication compliance
- Data loss prevention
- Data subject requests
- eDiscovery
- Information governance
- Information protection

## Data loss prevention

Policies   Alerts (preview)   Endpoint DLP settings

Filter

Time range: 12/18/2020-1/18/2021

User: Any

Alert status: Any

Alert severity: Any

Export   Refresh

Alert name

DLP policy match for document 'New Starter COMPLETE.docx' in OneDrive

DLP policy match for document 'New Starter COMPLETE.docx' in OneDrive

Alert: DLP policy match for document 'New Starter COMPLETE.docx' in OneDrive

Details   Events

Alert ID

50ec0d7b-1512-7fec-0800-08d8b8b9011c

Alert status

Active

Alert severity

High

Time detected

Jan 14, 2021 6:22 PM

Number of events

2

DLP policy matched

U.K. Personally Identifiable Information (PII) Data

Locations

OneDrive

Users who performed the event



Megan Bowen  
MEGANB@SCALAR7.COM

Assigned to

No one is assigned

Manage alert

Notify users

Close

## Data loss prevention

Policies   Alerts (preview) **Endpoint DLP settings**

Filter

Time range: 12/18/2020-1/18/2021

User: Any

Alert status: Any

Alert severity: Any

Export   Refresh

Alert name

DLP policy match for document 'New Starter COMPLETE.docx' in OneDrive

DLP policy match for document 'New Starter COMPLETE.docx' in OneDrive

### Event: Sensitive info found in 'New Starter COMPLETE.docx'

Details   Sensitive info types

#### Event details

ID  
c09574fd-f1d2-418c-8447-752a93121024

Location  
OneDrive

Time of activity  
Jan 14, 2021 6:12 PM

#### Impacted entities

User  
 Megan Bowen   Site owner  
Megan Bowen

Site URL  
[https://m365x336142-my.sharepoint.com/personal/meganb\\_scalar7\\_com](https://m365x336142-my.sharepoint.com/personal/meganb_scalar7_com)

File path  
[https://m365x336142-my.sharepoint.com/personal/meganb\\_scalar7\\_com/Documents/DLP/New%20Starter%20COMPLETE.docx](https://m365x336142-my.sharepoint.com/personal/meganb_scalar7_com/Documents/DLP/New%20Starter%20COMPLETE.docx)

File created  
Sep 9, 2020 6:11 AM   File last modified  
Sep 9, 2020 6:11 AM

File size  
18.58 KB   File owner  
Megan Bowen

#### Policy details

DLP policy matched  
U.K. Personally Identifiable Information (PII) Data

Rule matched  
Low volume of content detected U.K. Personally Identifiable Info

Sensitive info types detected  
U.K. National Insurance Number (NINO) (1, 85%)

# Key Resources & Take aways

## Resources

- Total Economic Impact of Microsoft 365 - TCO/ROI
  - <https://query.prod.cms.rt.microsoft.com/cms/api/am/binary/RE2PBrb>
- Review technical documentation and public assets
  - [aka.ms/compliancemanager/techdocs](https://aka.ms/compliancemanager/techdocs)
- Service Trust Portal
  - <https://aka.ms/stp>
- View our latest announcement and videos:
  - [aka.ms/compliancemanager/Gablog](https://aka.ms/compliancemanager/Gablog)
  - [aka.ms/VideoHub/ComplianceManagement](https://aka.ms/VideoHub/ComplianceManagement)

## Docs @Microsoft

- More information on DLP and Microsoft Teams
  - <https://docs.microsoft.com/en-us/microsoft-365/compliance/dlp-microsoft-teams?view=o365-worldwide>
- DLP Playbook
  - <https://techcommunity.microsoft.com/t5/microsoft-security-and/microsoft-teams-dlp-playbook/ba-p/2051242?attachment-id=33287>

## Trial Licenses: E5 Compliance

<Https://aka.ms/E5ComplianceTrial>



Thank you!