AvePoint®

Protecting Sensitive Data in Office 365

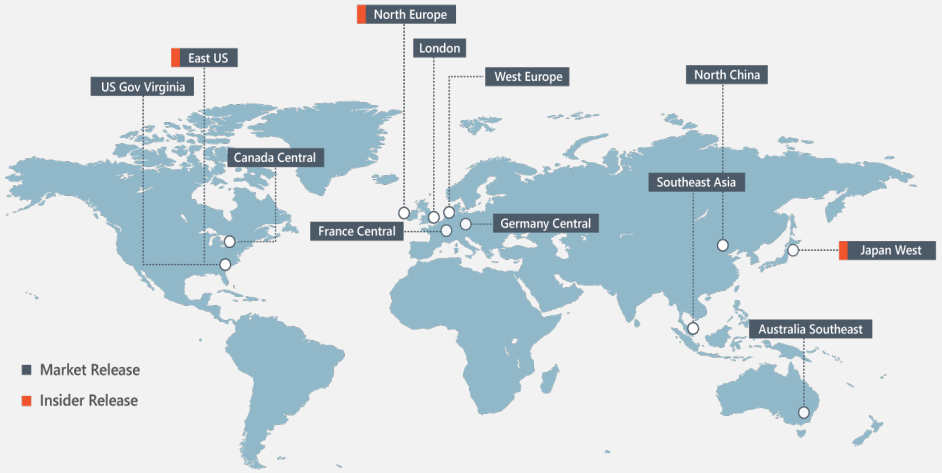
Protecting sensitive data doesn’t need to slow down your organization's ability to share and collaborate

Unleash the Power of You

Accessible content is available upon request.

AvePoint

Migrate. Manage. Protect.



12 Global Cloud Instances

99.5% Availability Backed by Azure

24/7 World-Class Support

50PB+ Managed Customer Data

ISO Certification

27001:2013

16K Customers

7M Cloud Users

88 Countries

7 Continents

AvePoint is headquartered and maintains its principal operational center in Jersey City, NJ, with approximately 1,500 employees across five continents.

Microsoft Partner

Microsoft

2017 Partner of the Year Winner
Public Sector: Microsoft CityNext Award

2016 Partner of the Year Winner
Technology for Good Citizenship Award

2015 Partner of the Year Winner
Collaboration and Content

2014 Partner of the Year Winner
Public Sector: Public Safety and National Security

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Today's Speakers

John Hodges

VP of Product Strategy

John is focused on developing solutions that address modern data protection needs for organizations worldwide, working with many Fortune 500 companies to drive sustainable adoption of Microsoft technology.

Hunter Willis

Product Marketing Manager

Hunter is the President of the Richmond SharePoint User Group. He is a top contributor for AvePoint's blog as well as CMS Wire, and has been featured in over a dozen publications, most notably the Wall Street Journal.

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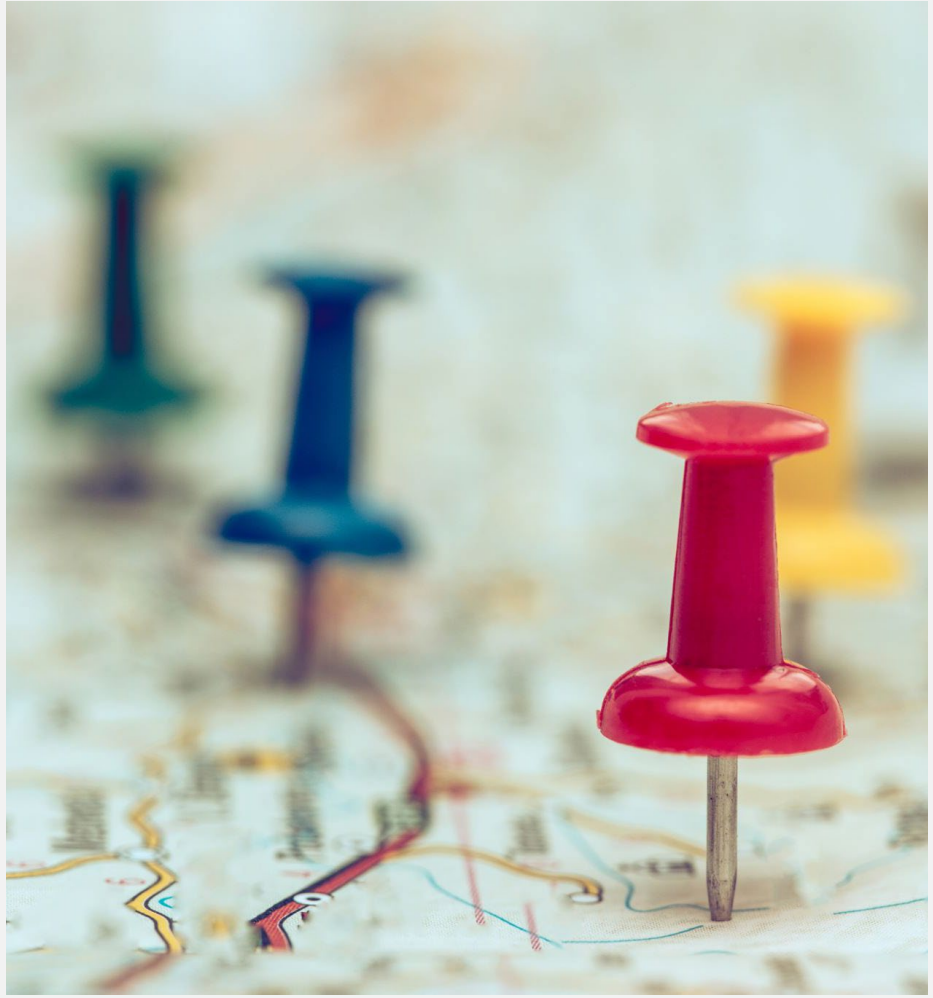
Agenda – Protecting Sensitive Data



WHO: Who has access?

- Overview of direct sharing in Teams
- Overview of sharing with external users / guest accounts
- Overview of AD Groups vs. Microsoft 365 groups

WHAT: Defining risk and finding data!

- Define "sensitivity" for content
- Native discovery options (for E5/M5 customers)
- Native content search (for all 'E' license levels)

HOW: Building and tracking policies!

- Natively applying DLP / Sensitivity Policies
- Summarizing this data
- Scoping and applying policies

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Why are we here? Regulatory Pressure!

Access Controls & Role Separation

Determine the cross section of your data that needs to be tightly controlled from access to foreign nationals or entities

Oversight on End User Activity

Detailed activity logs and on-demand reports available to always know how files are being accessed or shared

Data Sovereignty & Geofencing

Ensure that data repository site is hosted in the US and that all employees of both provider and data center are US citizens

Data Inventory & Mapping

Identify and classify data throughout its entire lifecycle in order to assess individual risk and governance (i.e. USML, MTCR, etc…)

Maintain Relevancy of Data

Ensure proper data purging for the purposes of removing redundant and obsolete data through automated lifecycle policies

Validation on Reasonable Efforts

Proof of having methods to identify ALL sensitive data, security policies and practices to protect it, and ability to resolve violations

Examples…

ISO 27001
ITAR
GDPR

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Why are we here?

How difficult are ISO certs and security team audits?

Permissions reports & security searches

Where and how is sensitive content being used

How do I validate my collaboration is secure

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With research we can try to find

What does Roy (ext) have access to?

Permissions Reports

An external user (Roy) has access to this Team.

Has Roy accessed anything?

Audit Reports

A document has been accessed 10 times in the past month.

Is anything that's been accessed sensitive?

DLP Reports

This Team contains sensitive information

to

Roy, an external user, has access to confidential info and has accessed it 10 times this past month.

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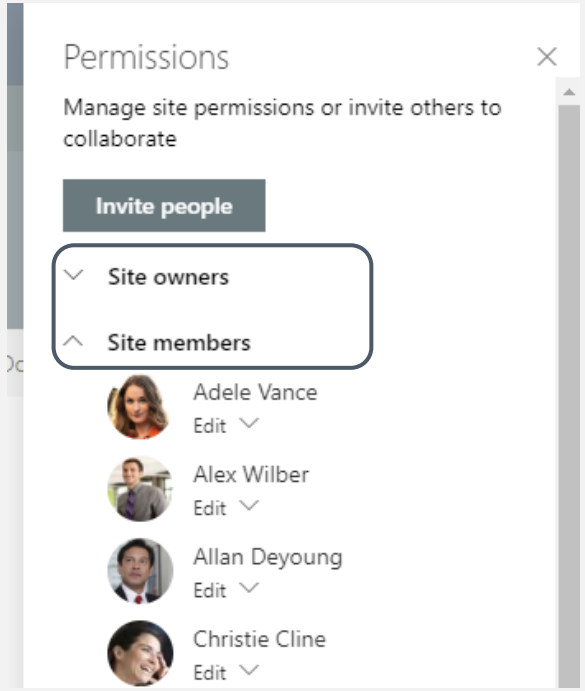
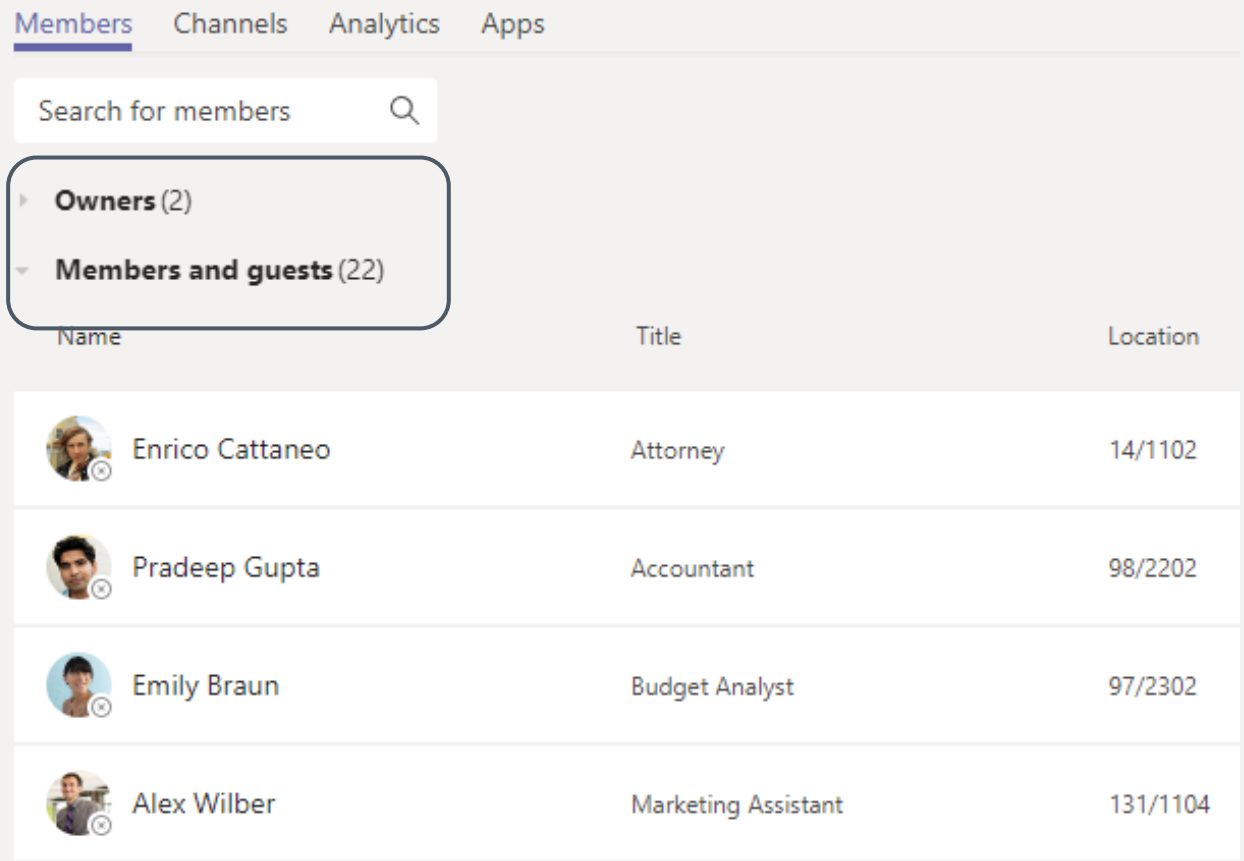
Who has access?

Teams, Groups, Sites, oh my…

Where is my source of truth for "who has access"?

Teams vs. SharePoint access…
The same, right?!





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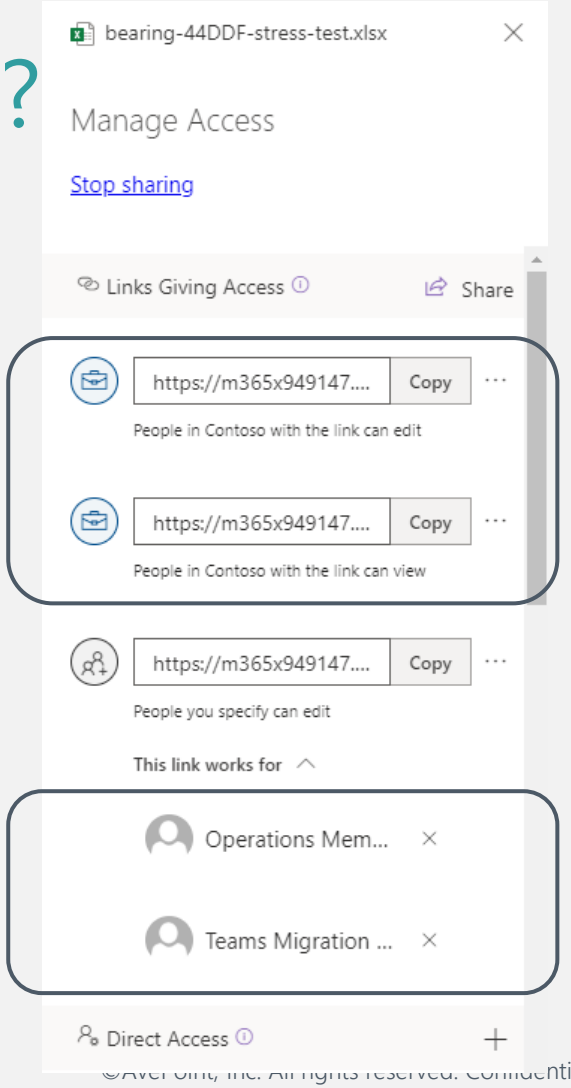
Teams, Groups, Sites, oh my…

Where is my source of truth for "who has access"?

The files say… ?



Where were these links pasted?

Who is/was in these groups?

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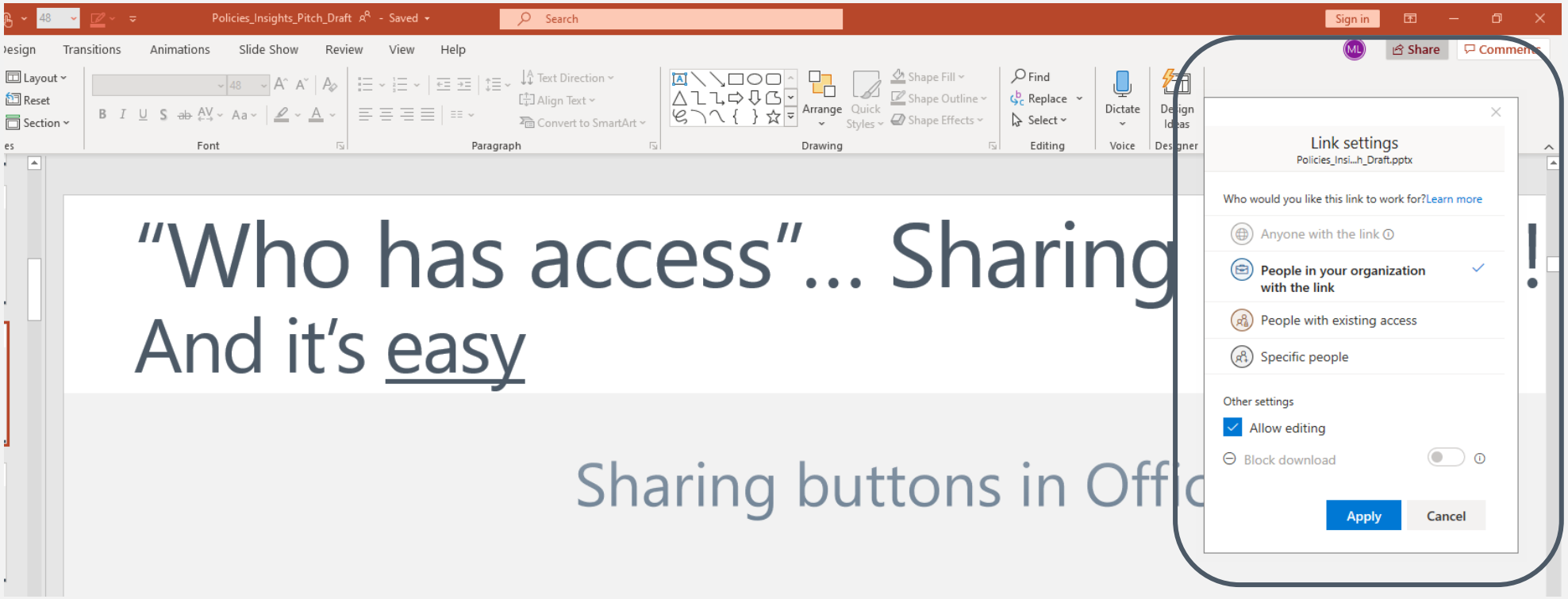
“Who has access”… Sharing is caring!

And it’s easy

Sharing buttons in Office Apps



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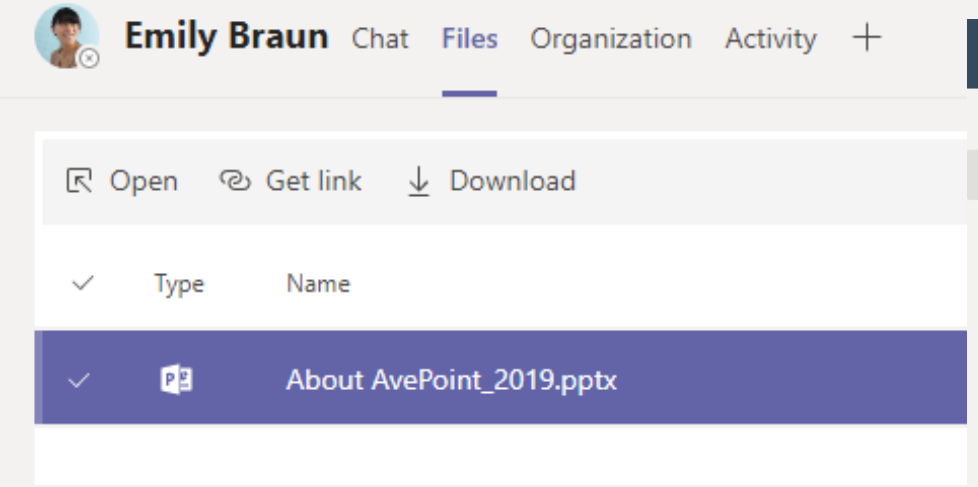
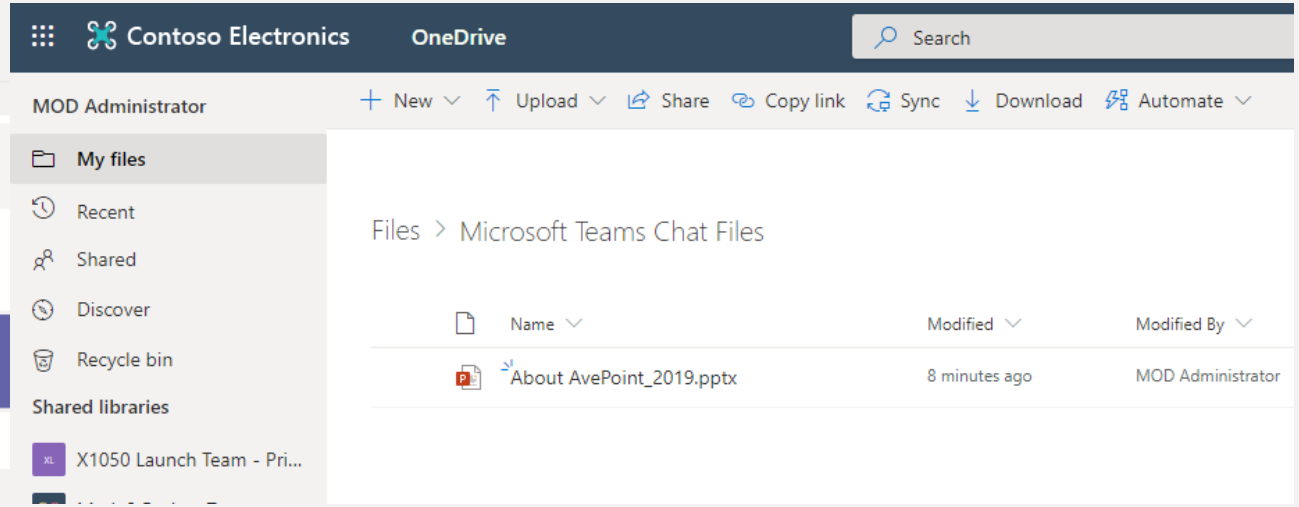
And it’s easy

OneDrive: Teams 1-1 and Office Apps





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“Who has access”… Sharing is caring!

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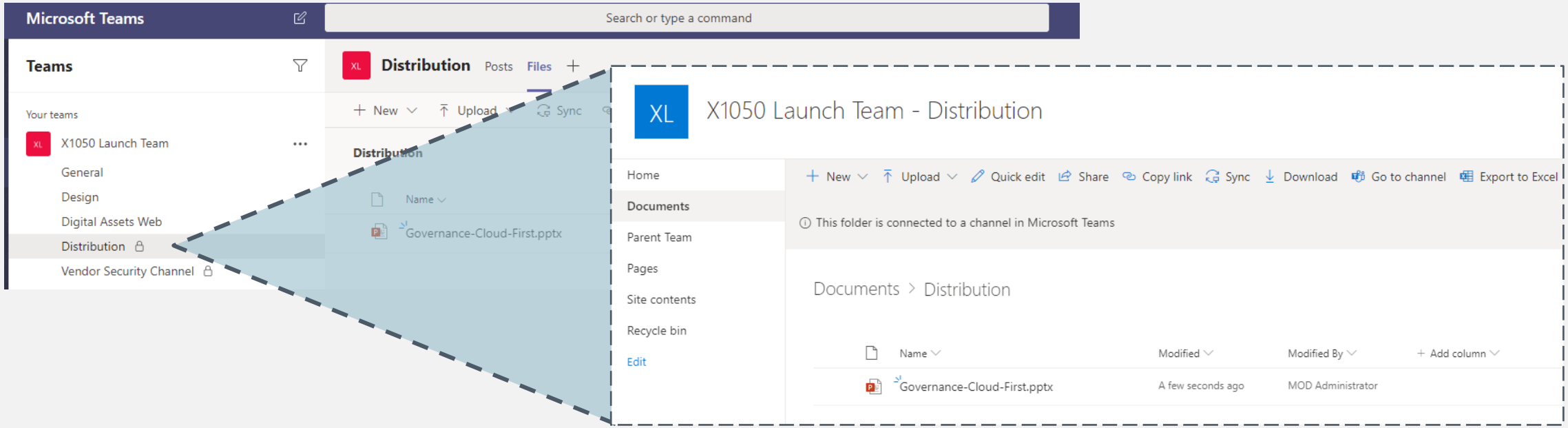
Private Channels in Teams



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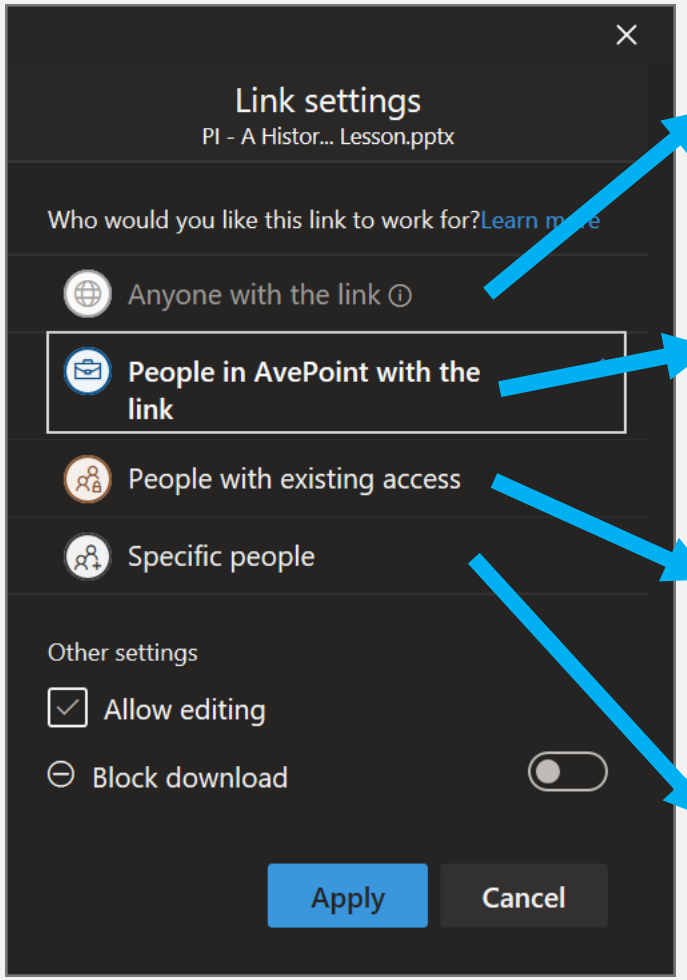
Reminder: How we got here



Anonymous & External Links

So Easy! "Everyone except external"

Large and Nested Security Groups

Explicit people hiding in the wings

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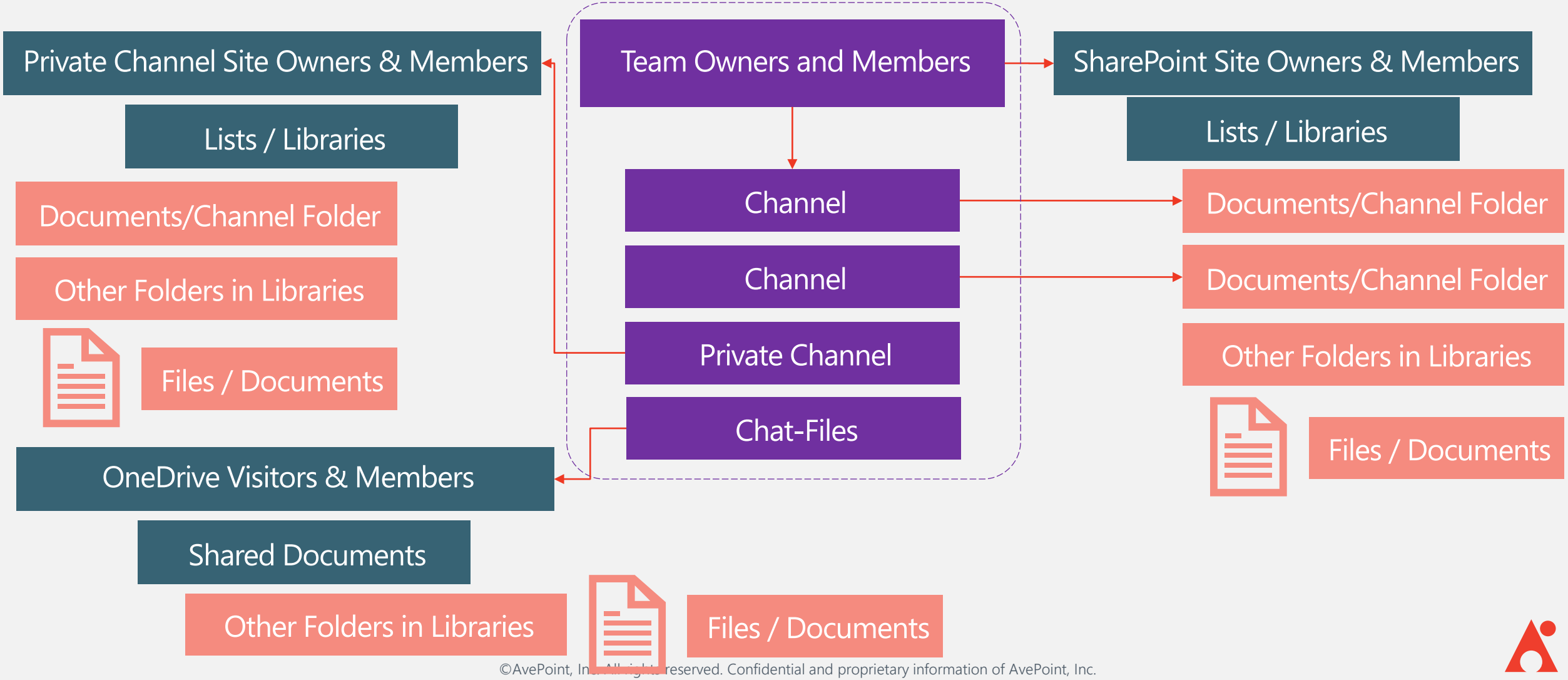
Objects that can be shared…



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SharePoint

Search this library

The Point | Customer Enablement | Employee Resources | External Resources

B

BGLeads

Private group

Following

20 members

Home
Conversations
News
Shared with us
Documents
Notebook
BG Pursuit Requests
Pages
Legacy Documents
BG Enablement Docs
BG Example Docs
BG Initiatives Tracking
BG Lead Activity Calendar
BG_Workstream Projects
BG_Workstreams
Shared wExec Leadershi...
Migration Project List
Site Contents
Recycle bin
Edit

Return to classic SharePoint

New | Upload | Quick edit | Share | Copy link | Sync | Download | Go to channel | Export to Excel | PowerApps | ...

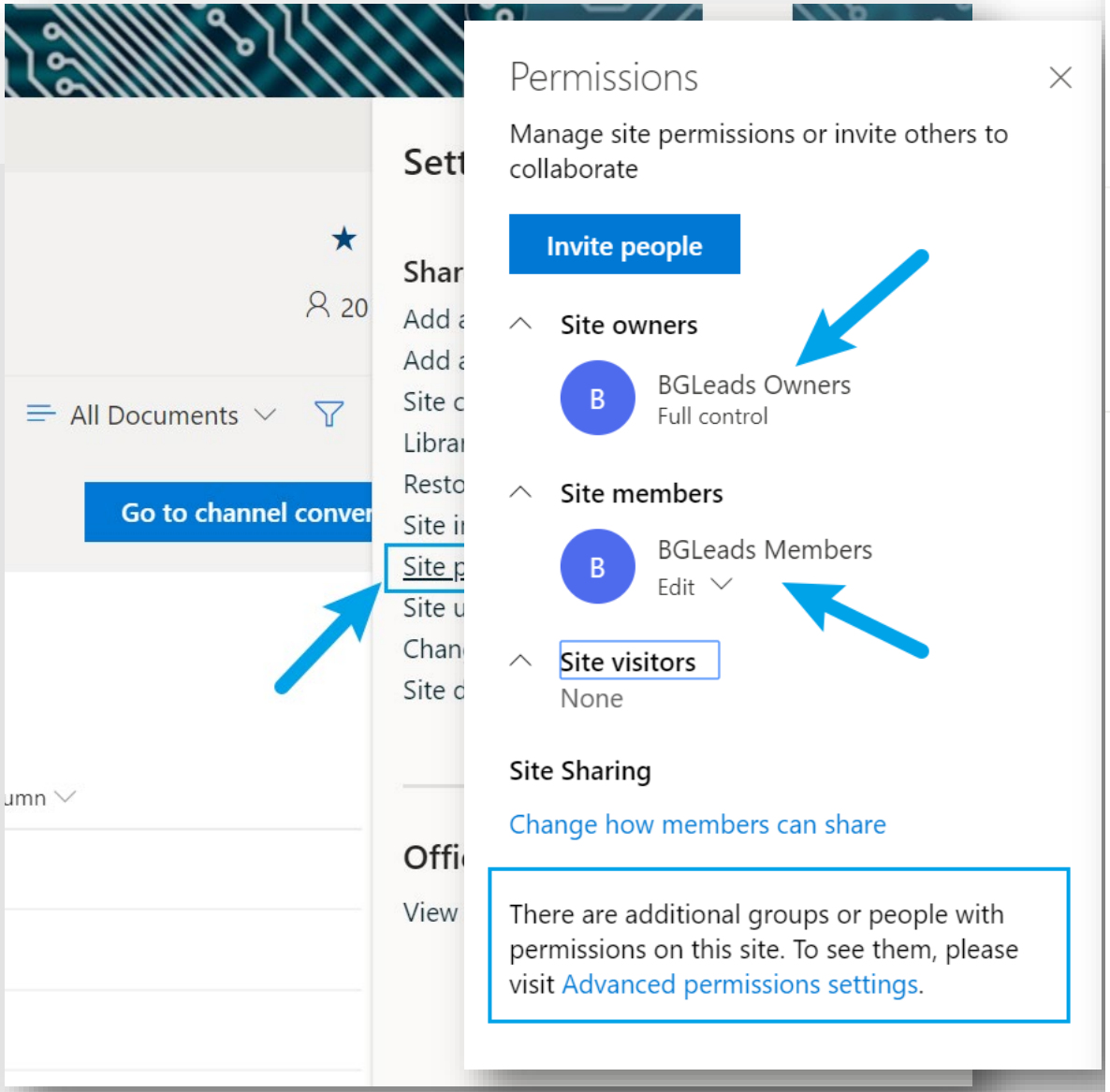
All Documents

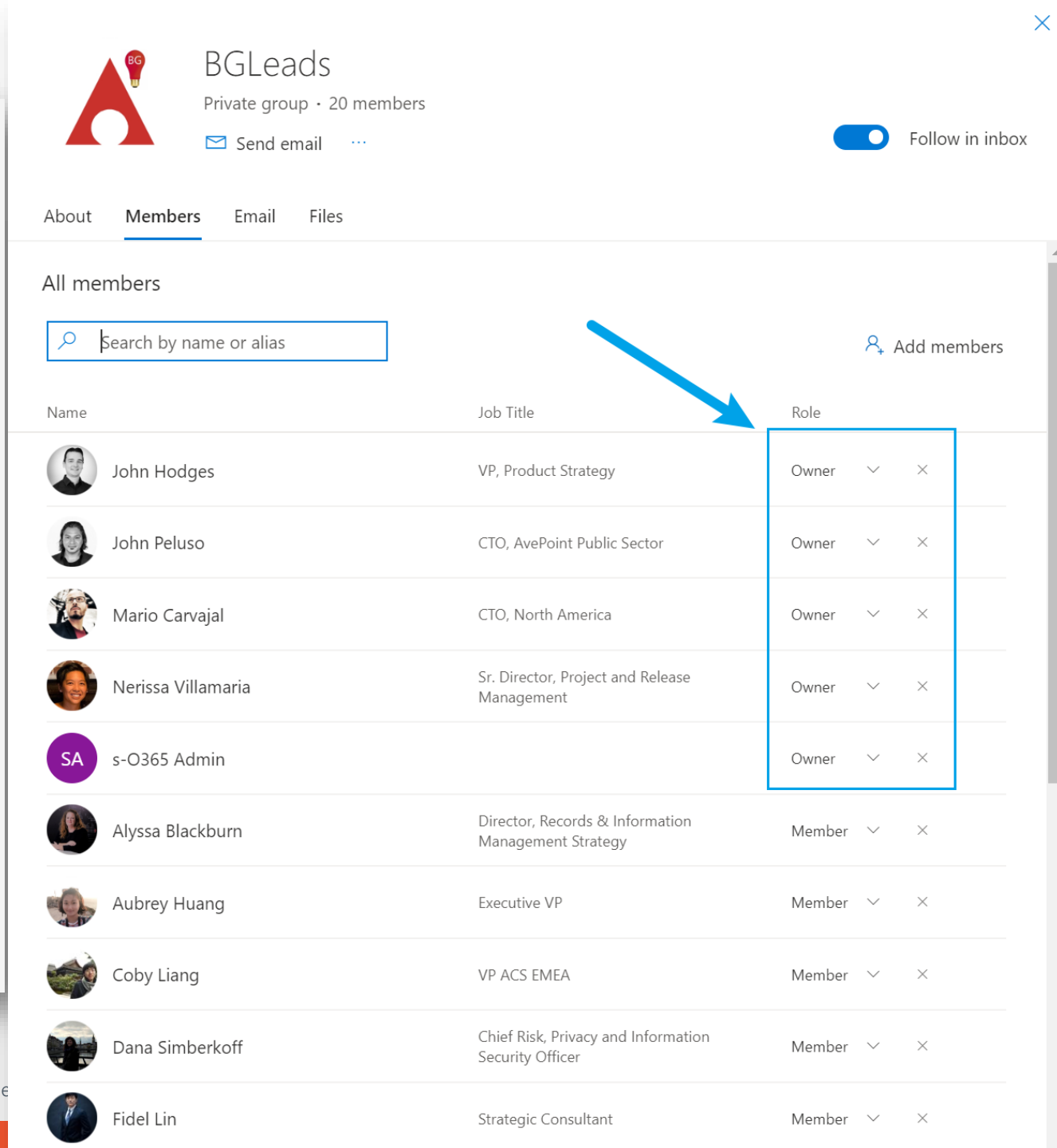
This folder is connected to a channel in Microsoft Teams

Go to channel conversation

Documents > General

Name	Modified	Modified By	Planner Board Type	+ Add column
AOS Competitor Blacklist	November 29, 2018	Vanessa Molnar		
BG Presentations	December 15, 2017	Nerissa Villamaria		
BG Session Recordings - 2017	July 24, 2019	Nerissa Villamaria		
BG Team Operations	December 4, 2017	John Peluso		
EOL Slide	June 11, 2019	Coby Liang		
Governance Workshops	March 28, 2019	Vanessa Molnar		
MSFT Collab	December 11, 2017	Nerissa Villamaria		
Town Hall Slides for TJ	August 6, 2018	Nerissa Villamaria		
What's new videos	July 23, 2018	Alyssa Blackburn		
2017-state-of-it-report-salesforce.pdf	December 11, 2018	Kate Faaland	--Select Planner Category--	
2018-01-19_10-14-30.png	January 19, 2018	Paul Olenick	--Select Planner Category--	
Alexa-Analyze.png	June 16, 2019	Lardy Liu	--Select Planner Category--	





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Permissions

Manage site permissions or invite others to collaborate

Invite people

Site owners

B BGLeads Owners
Full control

Site members

B BGLeads Members
Edit

Site visitors
None

Site Sharing

Change how members can share

SharePoint

BROWSE | PERMISSIONS

Grant Permissions | Create Group | Edit User Permissions | Remove User Permissions | Check Permissions | Permission Levels | Access Request Settings | Site Collection Administrators

Grant | Modify | Check | Manage

Home
Conversations
News
Documents
Notebook
Recent
19:b2e8d2185925493b9df22133b760c2ed@thread.skype_wiki
19:540ee0e142164a50beb8d50b16d77496@thread.skype_wiki
19:76580ceee9af4105b2ba331a99b6d175@thread.skype_wiki
19:c66630b0b38b48aebade1d0de0745ae0@thread.skype_wiki
Tasks 1
BG Pursuit Requests

Some content on this site has different permissions from what yo
There are limited access users on this site. Users may have limited acce
People are waiting for your approval so that they can access this

Name
BGLeads Members
BGLeads Owners
BGLeads Visitors

Exceptions: BGLeads

Lists that have unique permissions

Apps Team	manage permissions
BG Enablement Docs	manage permissions
BG Initiatives Tracking	manage permissions
Migration Project List	manage permissions
Shared wExec Leadership-edit	manage permissions

Lists that may contain items with unique permissions

BG Example Docs	view exceptions

There are additional groups or peo
permissions on this site. To see ther
visit Advanced permissions settings

Lists that may contain items with unique permissions

BG Example Docs — view exceptions

and proprietary information of Ave

SharePoint

EDIT LINKS

BGLeads

People and

Groups

BGLeads Members

BGLeads Visitors

BGLeads Owners

More...

Home

Conversations

News

Documents

Notebook

Recent

19:b2e8d2185925493b9

Tasks 1

BG Pursuit Requests

New

There a

Remove User Permissions

Check Permissio

Modify

Check

This docume

People are w

Name

BGLeads

BGLeads

BGLeads

Users who have penks to remove

Edit link for AvePoint i

Nerissa Vi

Manage Access for '2017_Oct_R...

Manage Access

Remove link

https://avepointcr...

Copy

People in AvePoint with the link can edit

Link settings

Can edit

Shared with

Nerissa Villamaria

Sr. Director, Project and Release Managem...

Save

Discard

Department

SharePoint

BROWSE | PERMISSIONS

Grant Permissions | Create Group | Edit User Permissions | Remove User Permissions | Check Permissions | Permission Levels | Access Request Settings | Site Collection Administrators

Grant | Modify | Check | Manage

- Home
- Conversations
- News
- Documents
- Notebook
- Recent
  - 19:b2e8d2185925493b9df22133b760c2ed@thread.skype_wiki
  - 19:540ee0e142164a50beb8d50b16d77496@thread.skype_wiki
  - 19:76580ceee9af4105b2ba331a99b6d175@thread.skype_wiki
  - 19:c66630b0b38b48aebade1d0de0745ae0@thread.skype_wiki
  - Tasks 1
- BG Pursuit Requests
- Pages
- Legacy Documents
- BG Enablement Docs
- BG Example Docs
- BG Initiatives Tracking
- BG Lead Activity Calendar
- BG_Workstream Projects
- BG_Workstreams
- Shared wExec Leadership-

Some content on this site has different permissions from what you see here. Show these items.

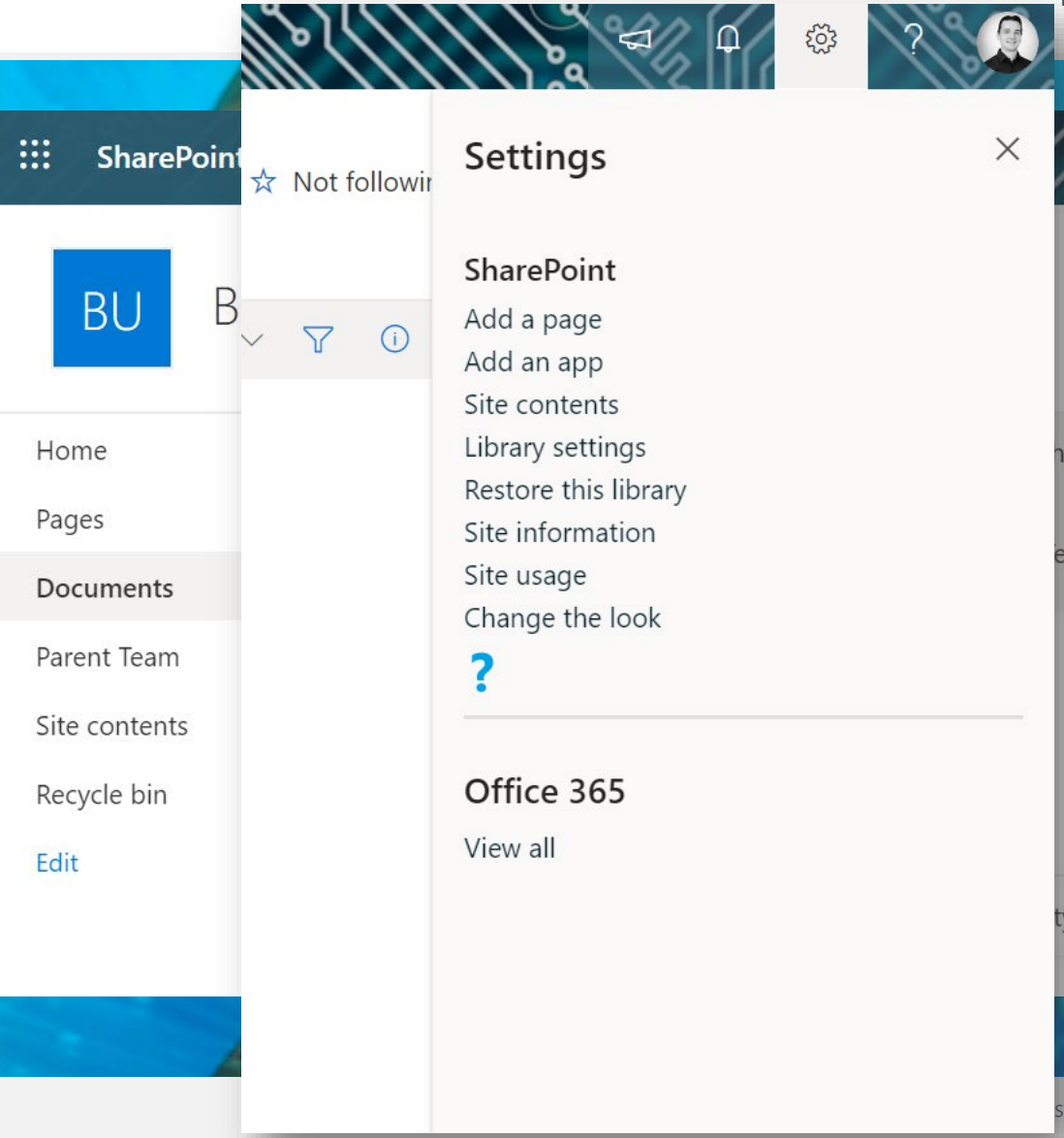
There are limited access users on this site. Users may have limited access if an item or document under the site has been shared with them.

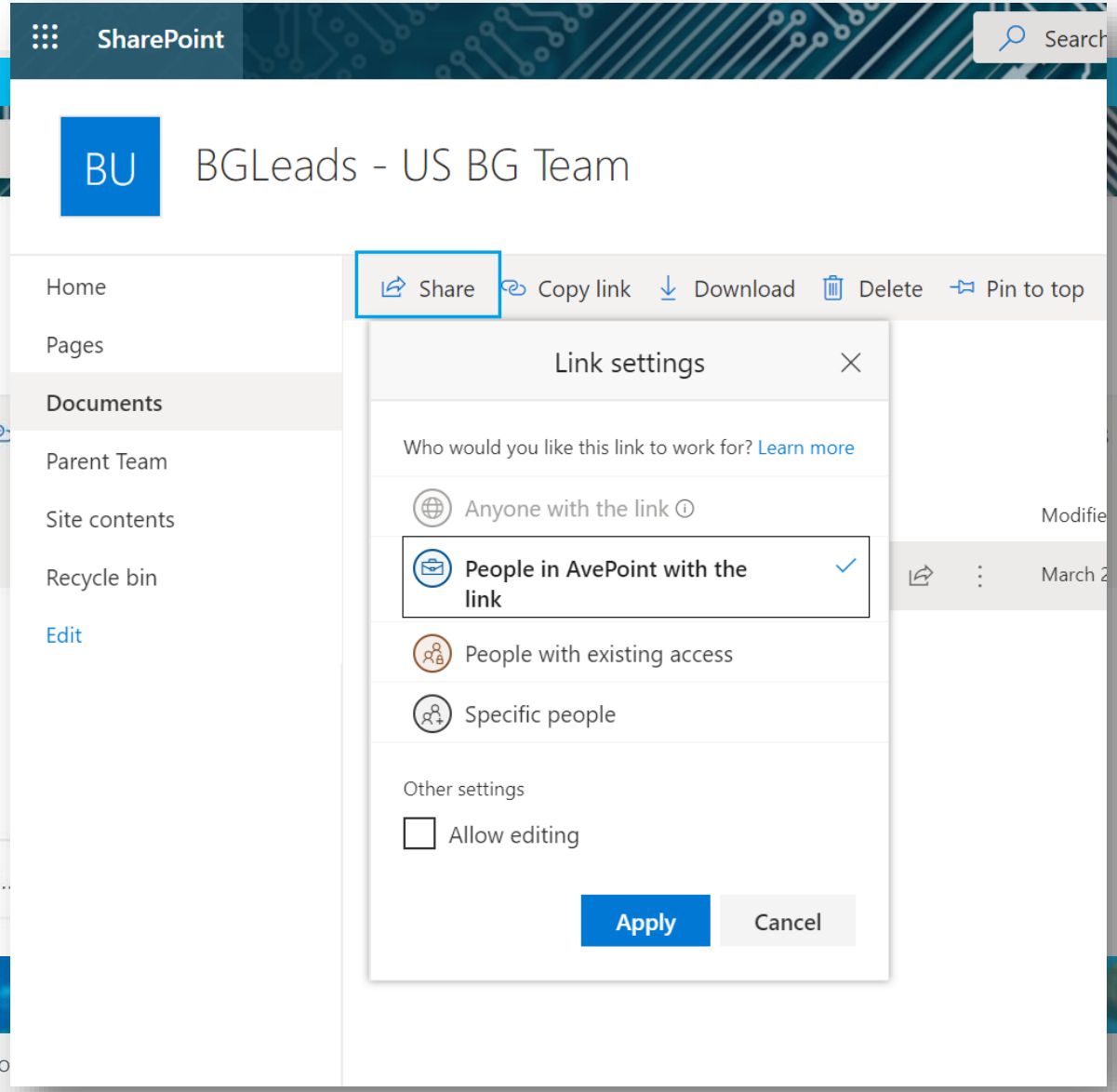
People are waiting for your approval so that they can access this site. Show access requests and invitations.

WHO?

Name	Type	Permission Levels
Aaron Barnes	User	Limited Access
Ada Liu	User	Limited Access
Alex Gasper	User	Limited Access
Alfred Lombardi	User	Limited Access
Alyssa Blackburn	User	Limited Access
Andrew Diaz	User	Limited Access
AnnMarie Connolly	User	Limited Access
AOS Product PM Members	Domain Group	Limited Access
Architects	Domain Group	Limited Access
Armand Zhou	User	Limited Access
Austin Han	User	Limited Access
Baron Zhang	User	Limited Access
BG Enablement Contributors	SharePoint Group	Limited Access
BG Members	SharePoint Group	Limited Access
BG Owners	SharePoint Group	Limited Access
BG Visitors	SharePoint Group	Limited Access
BG+PMK	Domain Group	Limited Access
BGLeads Members	SharePoint Group	Edit, Limited Access
BGLeads Owners	SharePoint Group	Full Control, Limited Access
BGLeads Visitors	SharePoint Group	Read, Limited Access
Blake Zhang	User	Limited Access

What about that private channel?





Site Information

Site logo

Change

Site name *

BGLeads

Site description

Business Group Leads

Privacy settings

Private - only members can access thi...

- Private - only members can access this site
- Public - anyone in the organization can acce

View all site settings

Delete site

Save | Cancel

Site sharing settings

Control how things in this site can be shared and how request access works.

Sharing permissions

- (●) Site owners and members can share files, folders, and the site. People with Edit permissions can share files and folders.
- ( ) Site owners and members, and people with Edit permissions can share files and folders, but only site owners can share the site.
- ( ) Only site owners can share files, folders, and the site.

Access requests

Allow access requests [On]

Choose who will receive access requests for this site:

- (●) BGLeads Owners
- ( ) Specific email

Add a custom message to the request access page:

For example: Please allow three days for us to review your request.

Save | Discard

Permissions

Manage site permissions or invite others to collaborate

Invite people

Site owners

B — BGLeads Owners
Full control

Site members

B — BGLeads Members
Edit

Site visitors

None

Site Sharing

Change how members can share

There are additional groups or people with permissions on this site. To see them, please visit Advanced permissions settings.

Save | Cancel | Reset to organization-level settings

SharePoint admin center

Home

Active sites

Use this page to manage all your sites. Learn more

Sales and Marketing	.../sites/SalesAndMarketing	0.14	Group
Work @ Contoso	.../sites/Work	0.06	MOD Admi
Working Title	.../sites/WorkingTitle	0.00	Group

Sales and Marketing

SharePoint

Search this site

Work @ Contoso | News | Brand | Executive Corner | HR | Operations | Sales & Marketing

Sales and Marketing

Public group

Notebook
Home
Documents
Product List
Pages
Site contents
Recycle bin
Edit

New | Page details

News

Add

New International Marketing Initiatives

We will be releasing a new international marketing

Marketing: New VPN Connection Procedure

If you remote access to corporate re...

Allan Deyoung July 31, 2019

Marketing Lunch

There is a lunch for the Marketing team Next Tuesday at 12:30PM. All...

Alex Wilber July 31, 2019

Quick Links

Find Photos
Marketing Campaigns
Monthly Reports
European Tech Trends

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Site owners

Site members

Site visitors

Site Sharing

Change how members can share

There are additional groups or people with permissions on this site. To see them, please visit Advanced permissions settings.

Adele Vance
AdeleV@M365x307511.OnMicro

Alex Wilber
AlexW@M365x307511.OnMicros

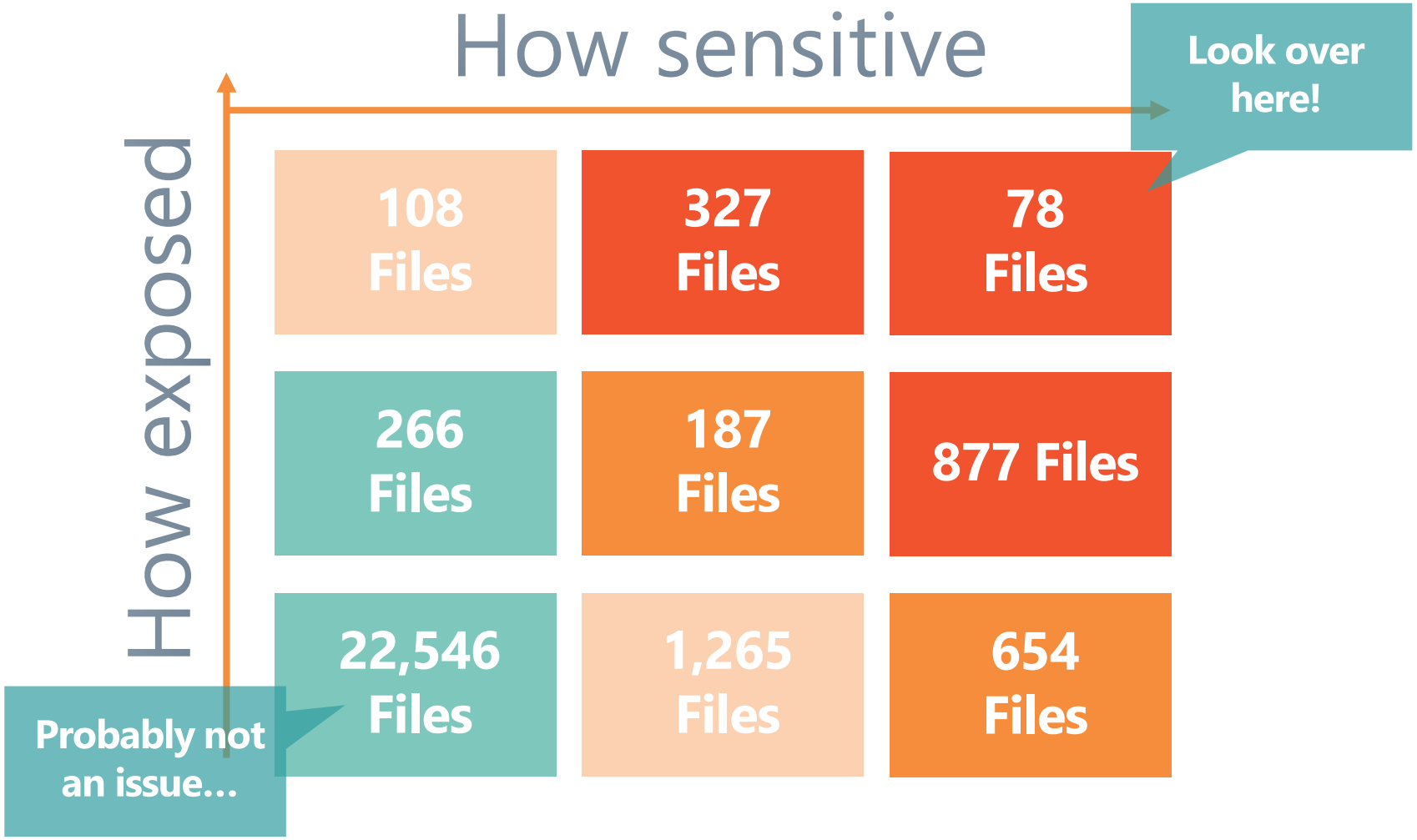
Allan Deyoung

Christie Cline

How do we define risk?

What do I gain?

Focus only on what's important, ignore the noise.



Context helps save time and effort responding to security team requests. Focus only on what matters most.

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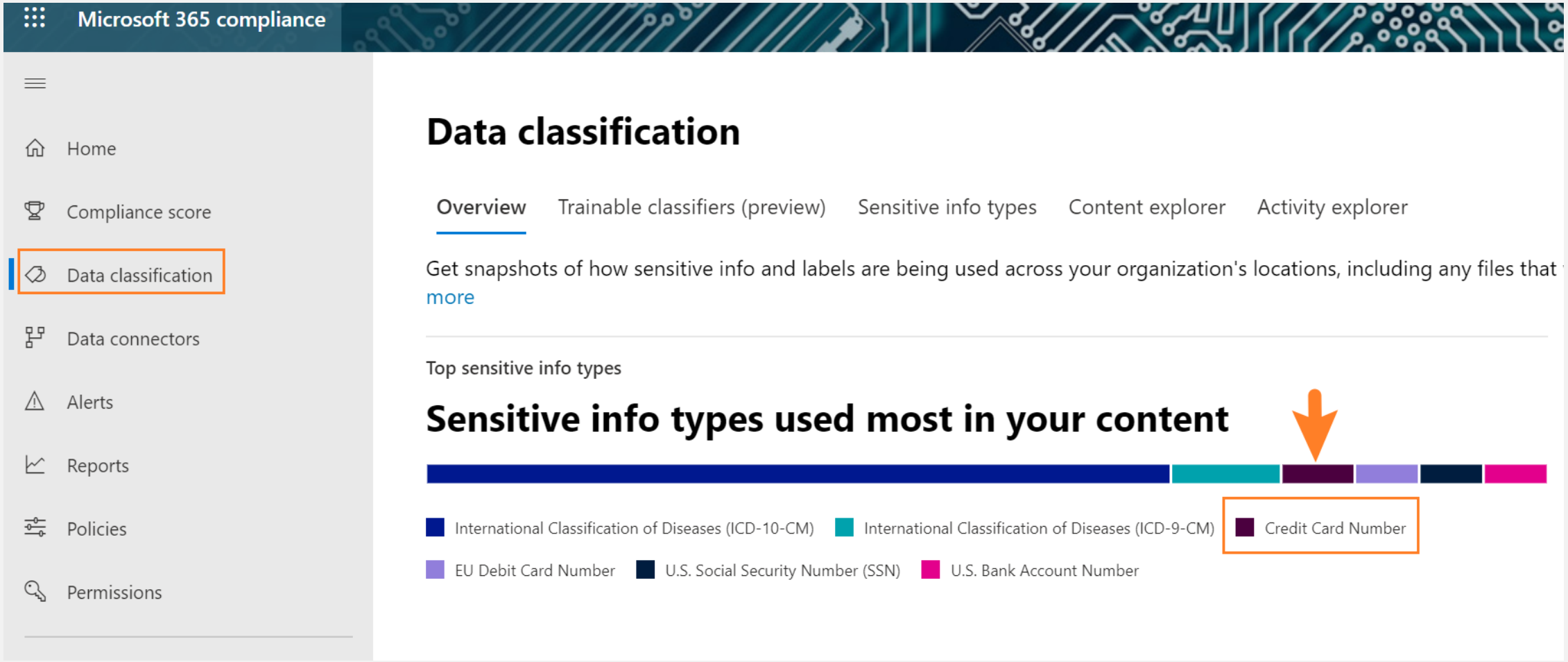
Identifying Sensitive Data Natively



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Sensitive Information Types are the Key!

Microsoft 365 compliance

Home
Compliance score
Data classification
Data connectors
Alerts
Reports
Policies
Permissions

Solutions

Catalog

More resources

Customize navigation
Show all

Data loss prevention > Create policy

- Choose the information to protect
- Name your policy
- Locations to apply the policy
- Policy settings
- Test or turn on the policy
- Review your settings

Start with a template or create a custom policy

Choose an industry regulation to see the DLP policy templates you can use to protect that info or create a custom policy start from scratch. If you need to protect labeled content, you'll be able to choose labels later. Learn more about DLP policy templates

Search

Show options for All countries or regions

42 results

- Financial
- Medical and health
- Privacy
- Custom

- PCI Data Security Standard (PCI DSS)
- Saudi Arabia - Anti-Cyber Crime Law
- Saudi Arabia Financial Data
- U.K. Financial Data
- U.S. Financial Data
- U.S. Federal Trade Commission (FTC) Consumer Rules
- U.S. Gramm-Leach-Bliley Act (GLBA)

U.S. Financial Data

Description
Helps detect the presence of information commonly considered to be financial information in United States, including information like credit card, account information, and debit card numbers.

Protects this information:
- Credit Card Number
- U.S. Bank Account Number
- ABA Routing Number

Sensitive Info Types are PRE-INDEXED for use in policies!

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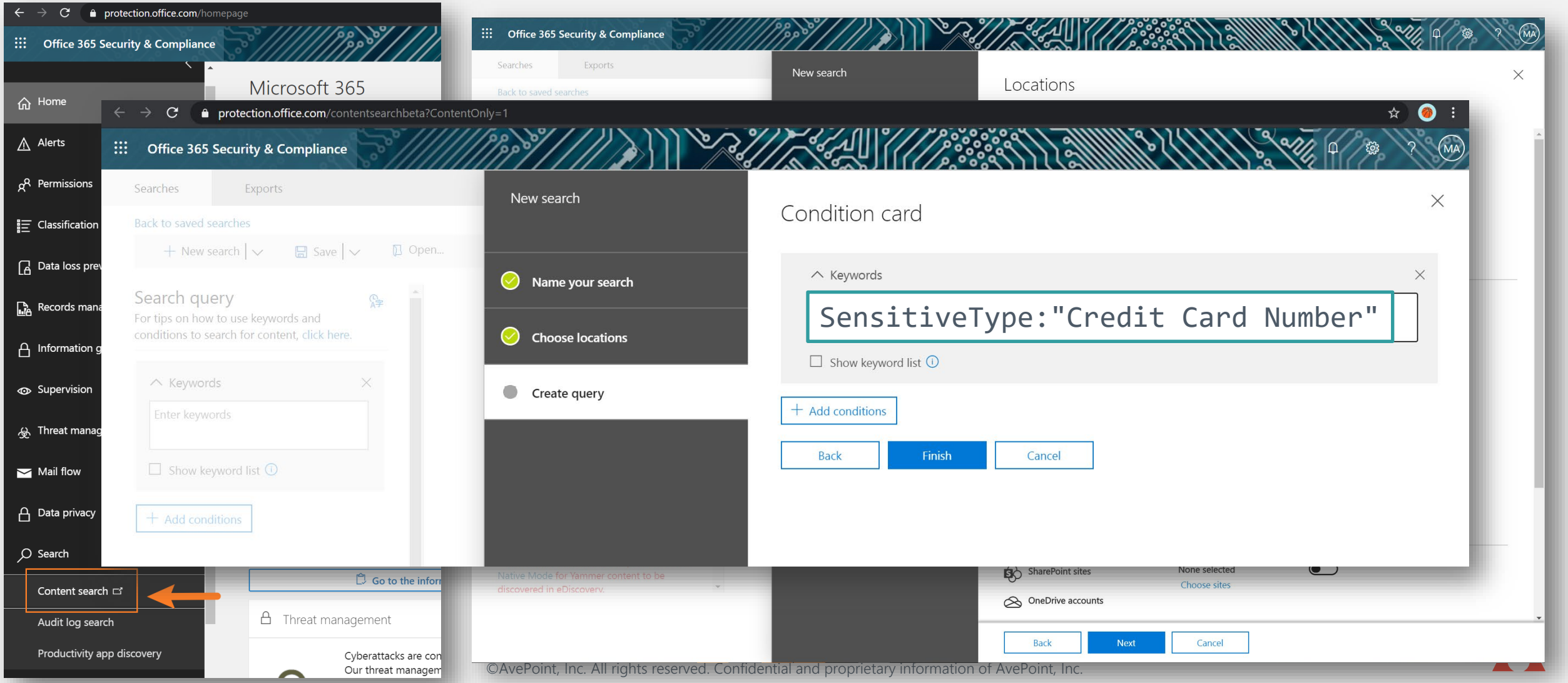
Creating a Content Search for Sensitive Info



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How do we build policies?

Better Stories = Stronger Policies

From

An external user (Roy) has access to this Team.

A document has been accessed 10 times in the past month.

This Team contains sensitive information

to

Roy, an external user, has access to confidential info and has accessed it 10 times this past month.

Now let's restrict his access with a policy that blocks external users Roy from "sensitive" Teams!

to

Sarah granted Roy access to this file, but we reverted it and sent Sarah a notification as to why.

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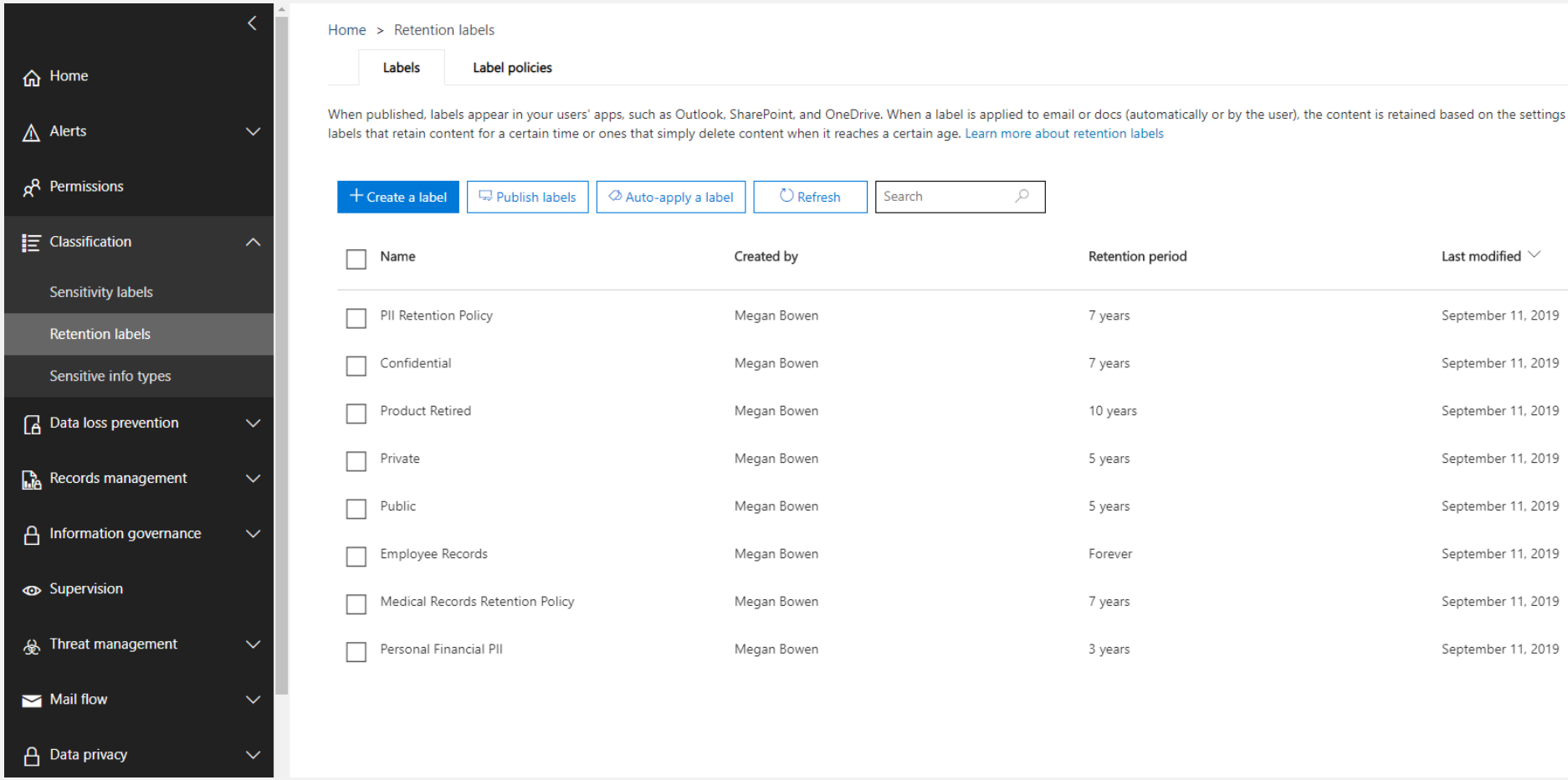
Retention and Sensitivity Labels

Lock files based on sensitivity.

Can apply to specific locations in O365



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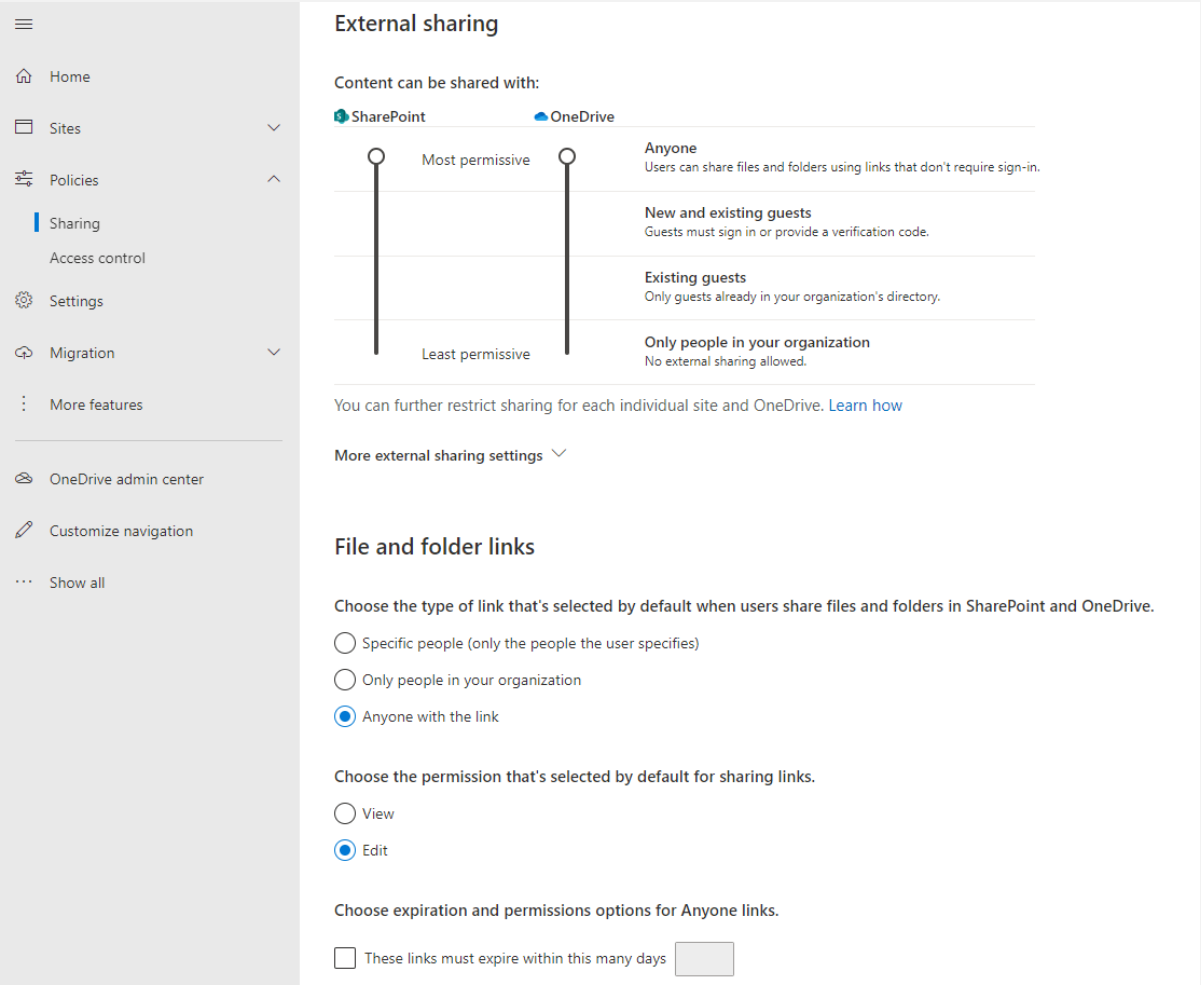
SharePoint, OneDrive, and other “Sites”



Restrict external sharing and control provisioning. This can hamper adoption…

HR Teams

Legal Teams

Distribution

…but they will do what they need to do to get the job done. This is why Shadow IT happens.

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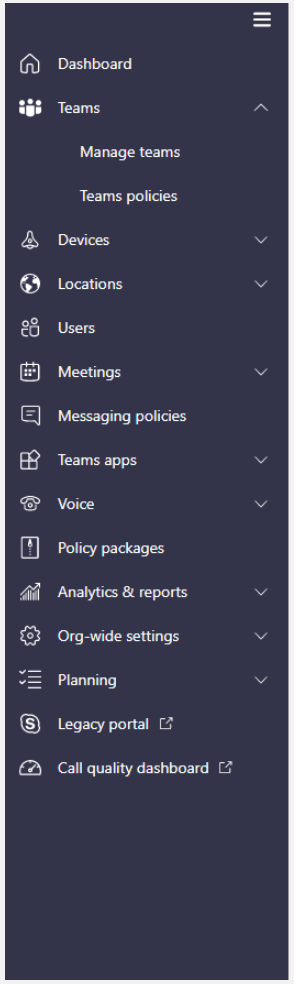
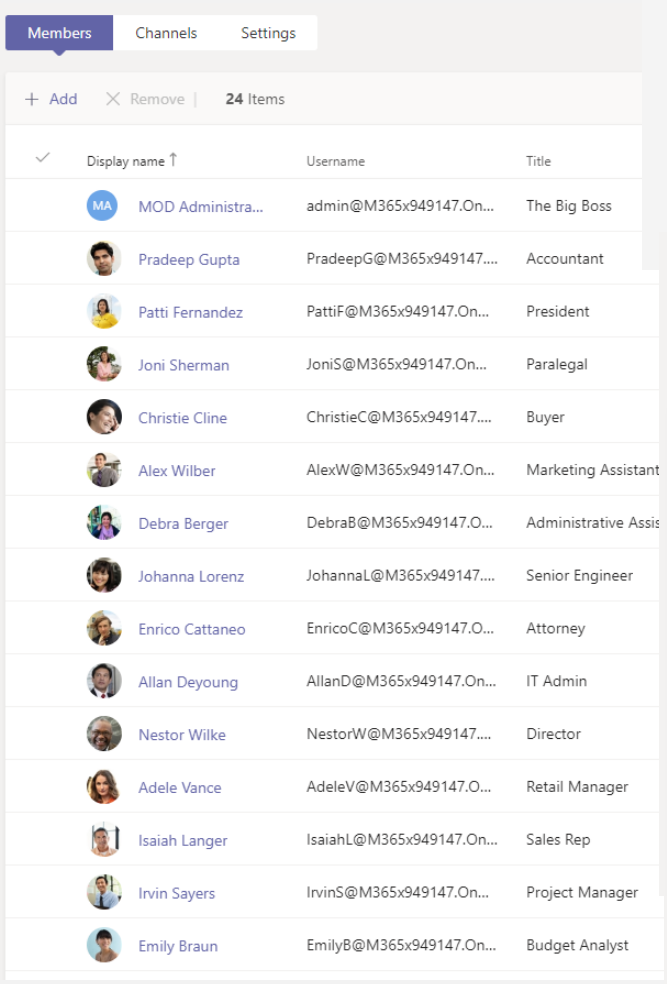
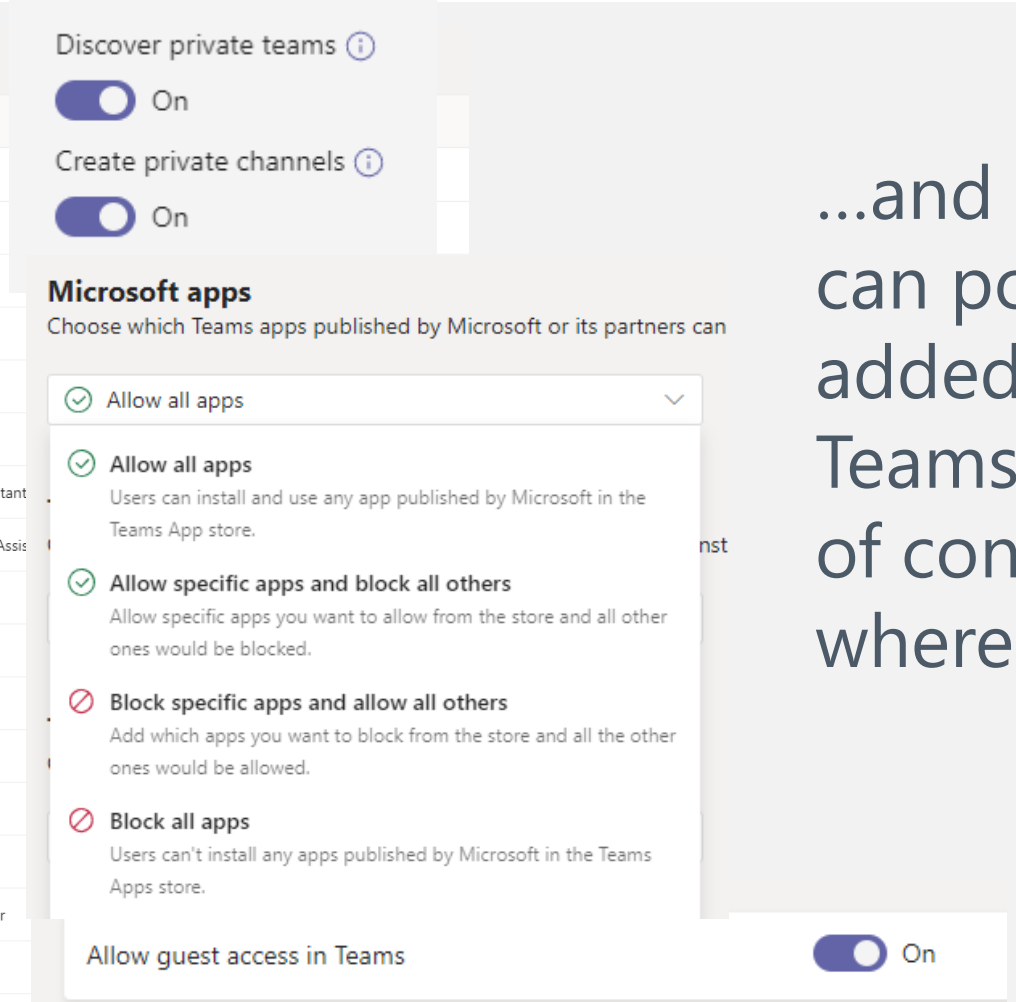
The Teams admin center has some controls…







…and a few on who can potentially be added to which Teams, or what kind of content can be where.

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AvePoint

Policies & Insights

For Microsoft 365

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How can we solve the problem with AvePoint?

Find & Prioritize

- Aggregate access, sensitivity, and activity data
- Regulations and information types define risk
- Prioritize to easily expose issues – focus on what matters

Monitor & Fix

- Security dashboards highlight anonymous links and exposed sensitive data
- Drill down on known and potential issues
- Fix as you go – edit permissions in batch

Enforce & prevent

- Prevent configuration drift with automated policies
- Trigger alerts or roll-back of unauthorized changes
- Track improvements over time – prove your collaboration is secure!

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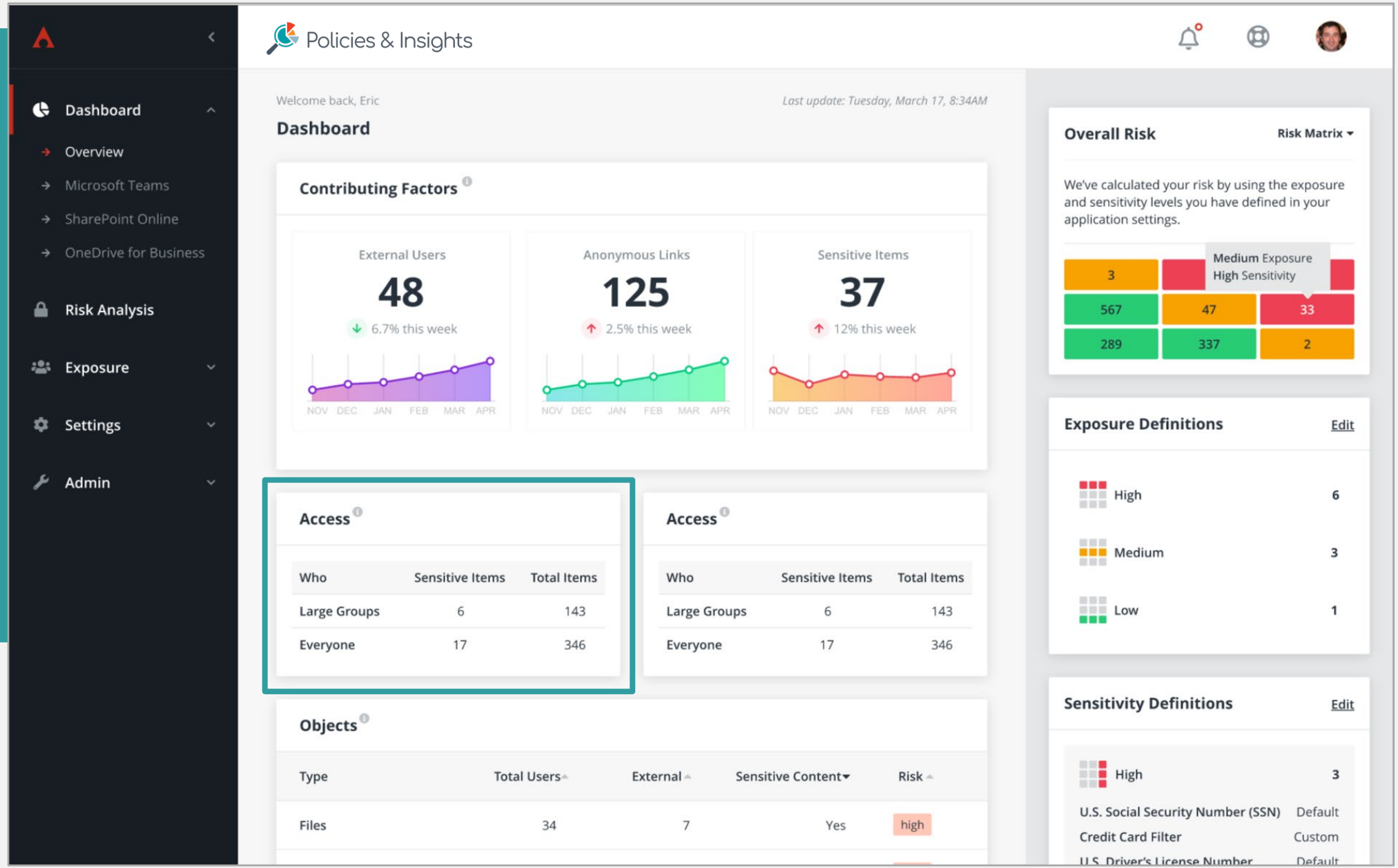
Highlighting high-risk scenarios in your environment

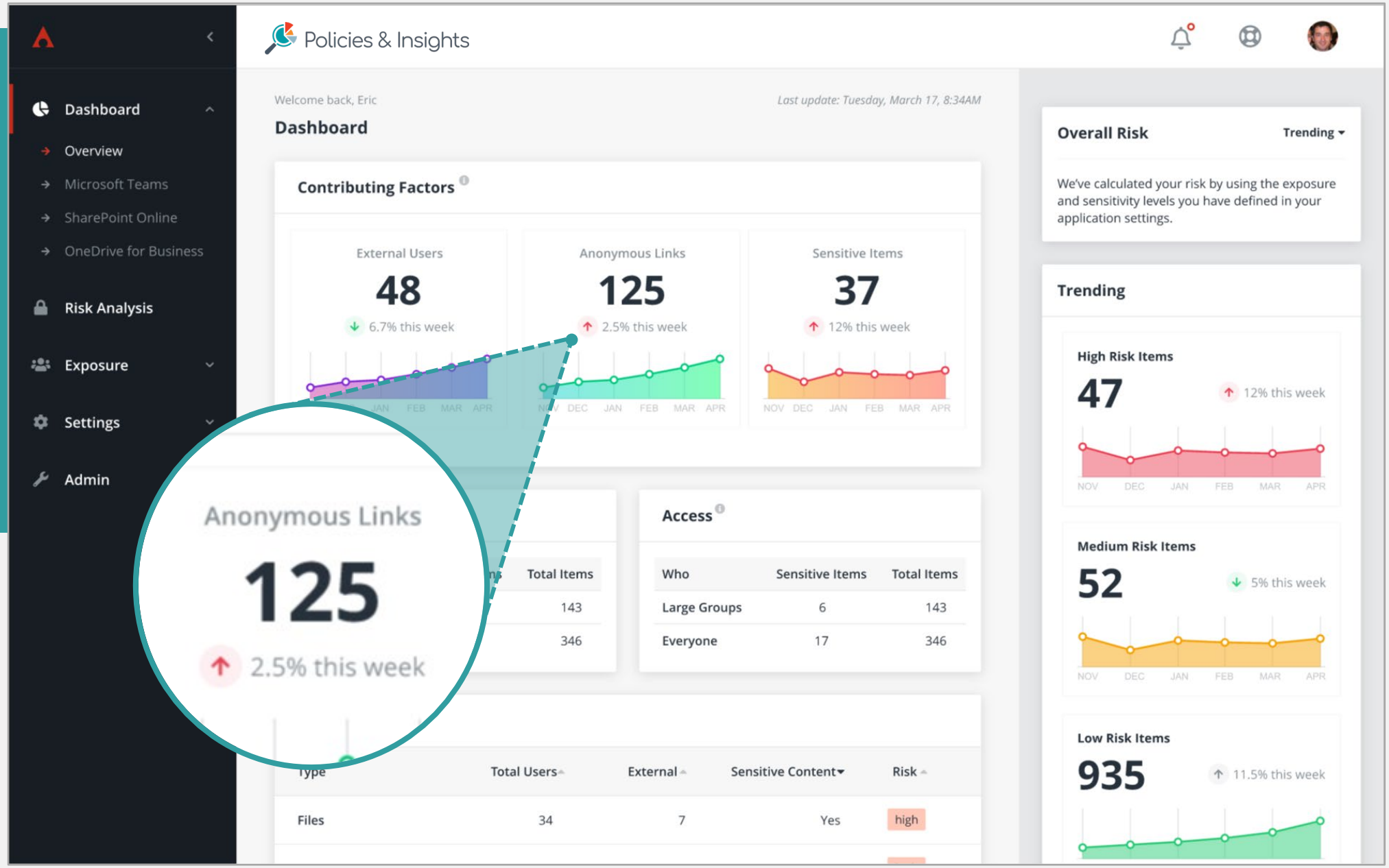
Reducing false-positives by working with native Microsoft sensitive information types*

*(Office 365 E3 feature)



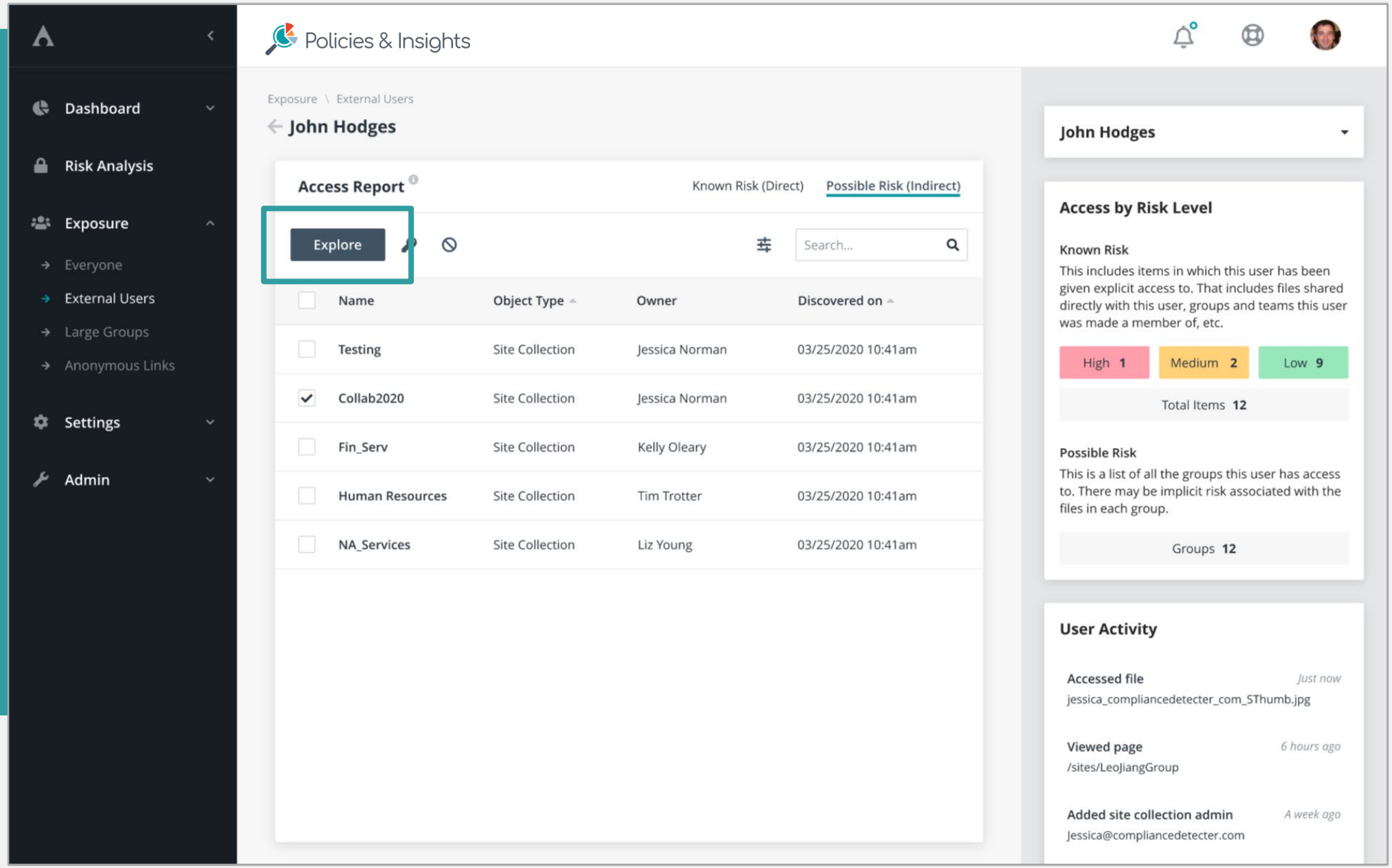
Tracking risk over time to understand changes to your environment

Proactive policy enforcement for Groups, Teams, and other services to protect content



Cached Permissions support quick-reports on Users, Groups, Teams, Anonymous Links, and External Users

Integration with Cloud Governance Renewals for Permission Reporting



Applying corrective actions.

From

An external user (Roy) has access to this Team.

A document has been accessed 10 times in the past month.

This Team contains sensitive information

to

Roy, an external user, has access to confidential info and has accessed it 10 times this past month.

Now let's restrict his access with a policy that blocks external users Roy from "sensitive" Teams!

to

Sarah granted Roy access to this file, but we reverted it and sent Sarah a notification as to why.

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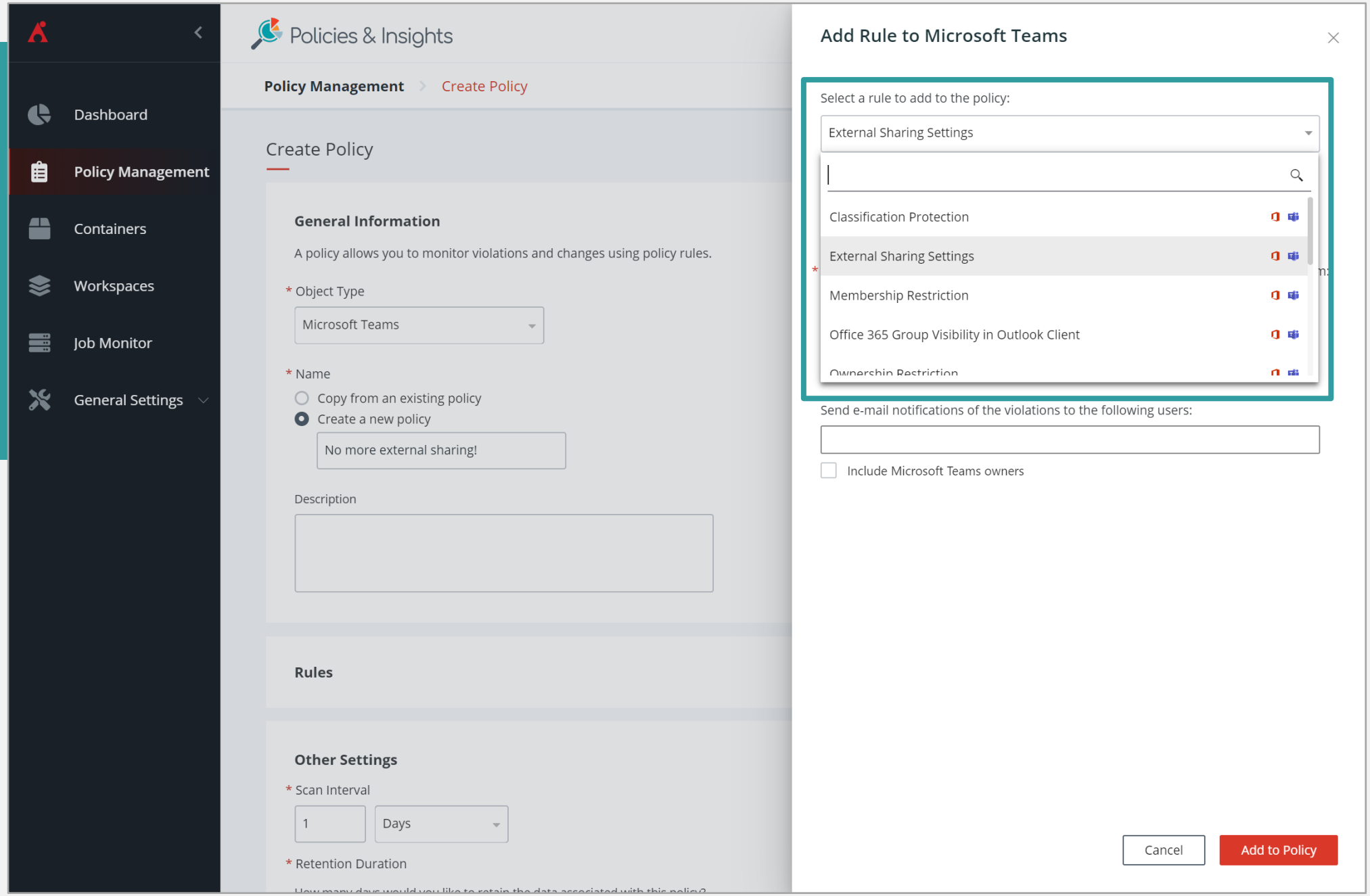
Craft policies that can adapt to the way your teams work and block the most common risks in your Microsoft 365 environment!



Rules available to build Policies:

Available Rules	Value
Classification Protection	Keep Group / Team owners from modifying native classifications
External Sharing Settings	Govern Guest Access for individual Teams and Groups
Membership / Ownership Restriction	Whitelist / Blacklist users by name or AD properties (role, title, geography, dept, etc.)
Outlook Group Visibility	Controlling visibility of Groups / Teams upon creation to flag violations
Membership / Ownership Size	Cap the size of Members / Owners by a specific number, preventing top-heavy groups
Privacy Restriction	Prevent Groups / Teams from switching from Private to Public teams, affecting visibility
Access Request Settings	For SharePoint / OneDrive to enforce how permissions are processed
Deletion Restriction	Control SharePoint (libraries, sites) deletions to create a safer work environment
Permission Inheritance	Monitor for broken inheritance and standardize how information is shared
External User Scans	Identify external user access to SharePoint and OneDrive content
Site External Sharing Settings	Control the SharePoint and OneDrive external sharing settings for each site

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Monitor what's important

Easily monitor user activity, permissions, and sensitive content.

Prioritize security issues with ease

Take action where it matters most, optimizing efficiency and business impact.

Automate Policy enforcement

Reduce oversight burden with quick, decisive, automated actions in near real time.

Prove Your Outcomes

Prove adoption and risk reduction to your stakeholders and organization.

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More resources:

See PI In action! How to videos available here…

Implementing a Best Practice Approach to Risk-Based Data Protection and Cybersecurity

Securing Collaboration: 5 Risk Management Challenges in Office 365

The difference between external access and guest access

Data Protection and Compliance Resources

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AvePoint

AvePoint's Newest Solution Protects Your O365 Data

Determine who is accessing your sensitive data and automate policies with PI.

Ron Delaney

Training and Development Manager, AvePoint

In 30 minutes we will show you:

- ✓ How PI extends the capabilities in the Microsoft Security and Compliance Center
- ✓ How PI identifies and prioritizes risks like external users accessing sensitive data, shadow users, anonymous links, nested groups, and more
- ✓ Common, granular policies that can be set up in minutes to mitigate these risks
- ✓ and more!

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