Microsoft

Welcome to the "New features to help secure external collaboration using MIP" Webinar

We will start at **2-3 minutes after** the scheduled time to accommodate those still connecting.

Questions? Feel free to type them in the instant message window at any time. Note that any questions you post will be **public**. You have the option to post questions anonymously.

This webinar is being **recorded** and is available later for viewing using the same event link.

Join our Community: https://www.yammer.com/askipteam/

M365
SECURITY,
COMPLIANCE &
MANAGEMENT

New features to help secure external collaboration using MIP

Samson Chan –Program Manager, Microsoft Information Protection

Adam Bell – Program Manager, Microsoft Information Protection Customer Acceleration Team (CAT)

Microsoft

Today's Agenda

- Overview MIP Ecosystem
- Protection sharing options

- SharePoint Online
  - External Sharing flow
  - Default Sharing Link
  - Sensitive by Default

- Email
  - Email sharing flow
  - Best practices

Microsoft Information Protection (MIP)

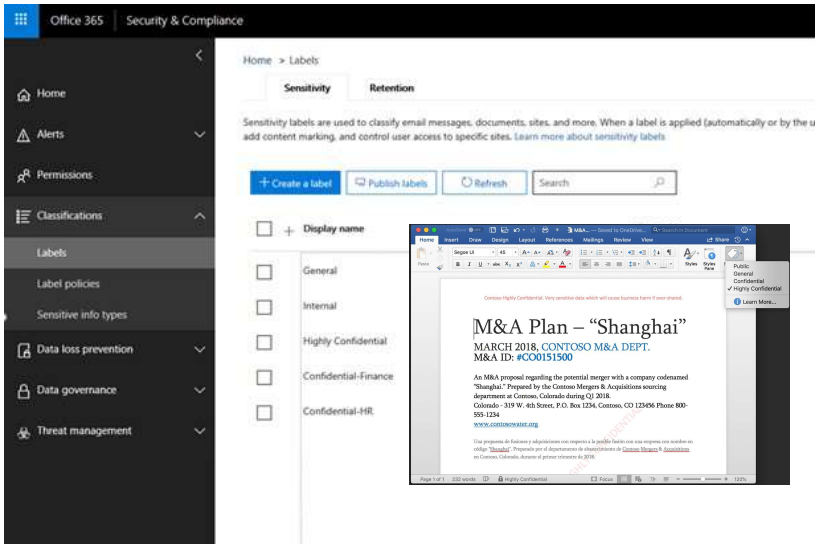
Key customer benefits

BUILT-IN
Built-in labeling and protection experience in Microsoft 365 apps, Microsoft 365 services, other MS services like Power BI, Edge and Windows

INTELLIGENT
Accuracy in classification via ML based trainable classifiers and exact data match

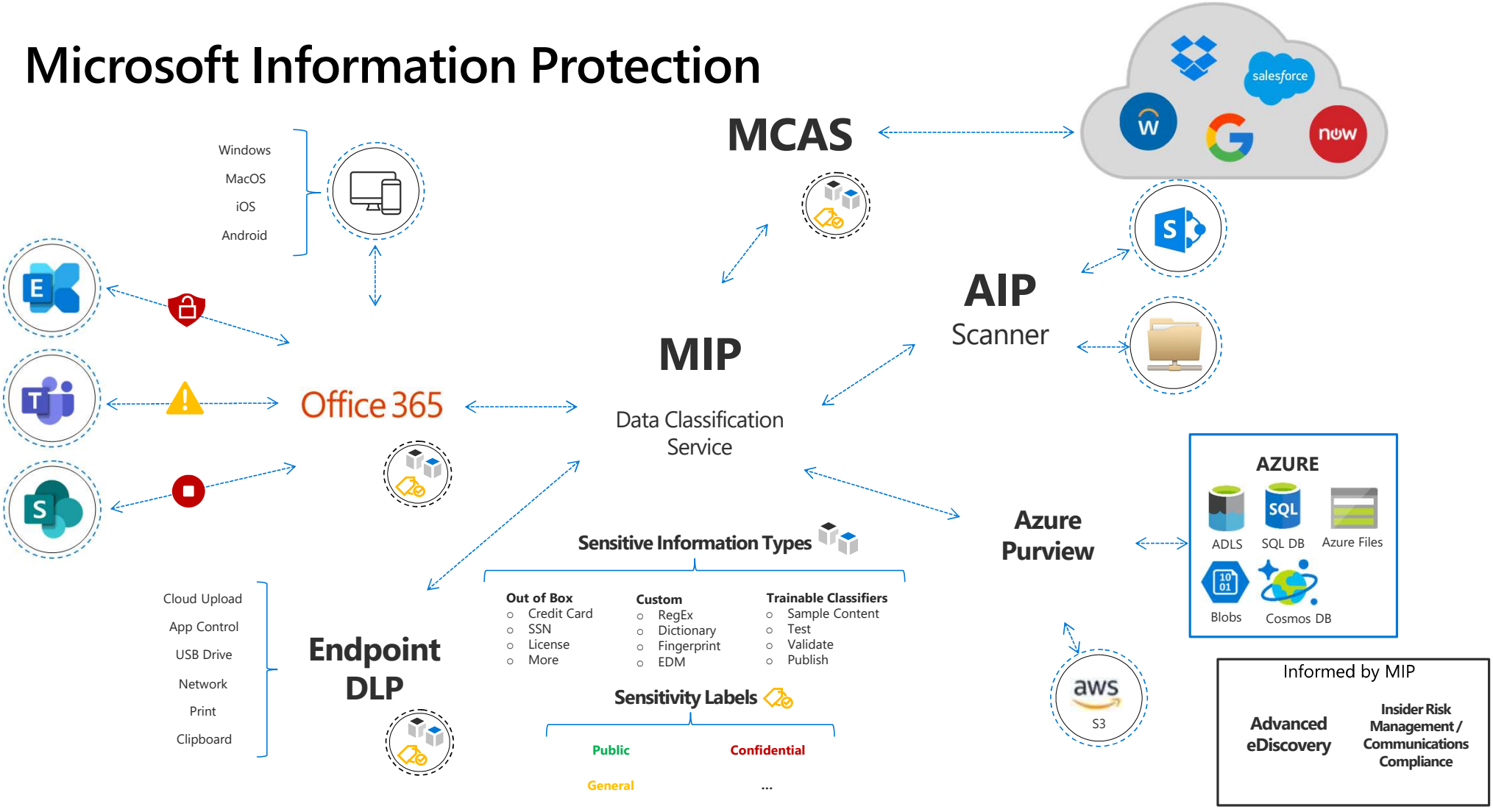
UNIFIED
Single admin console to configure and manage your policies and view analytics across on-premises, Microsoft 365 apps, Microsoft 365 services, 3rd party services and Windows devices

EXTENSIBLE
MIP platform extends the protection experience, in a consistent way, to popular non-Microsoft apps and services

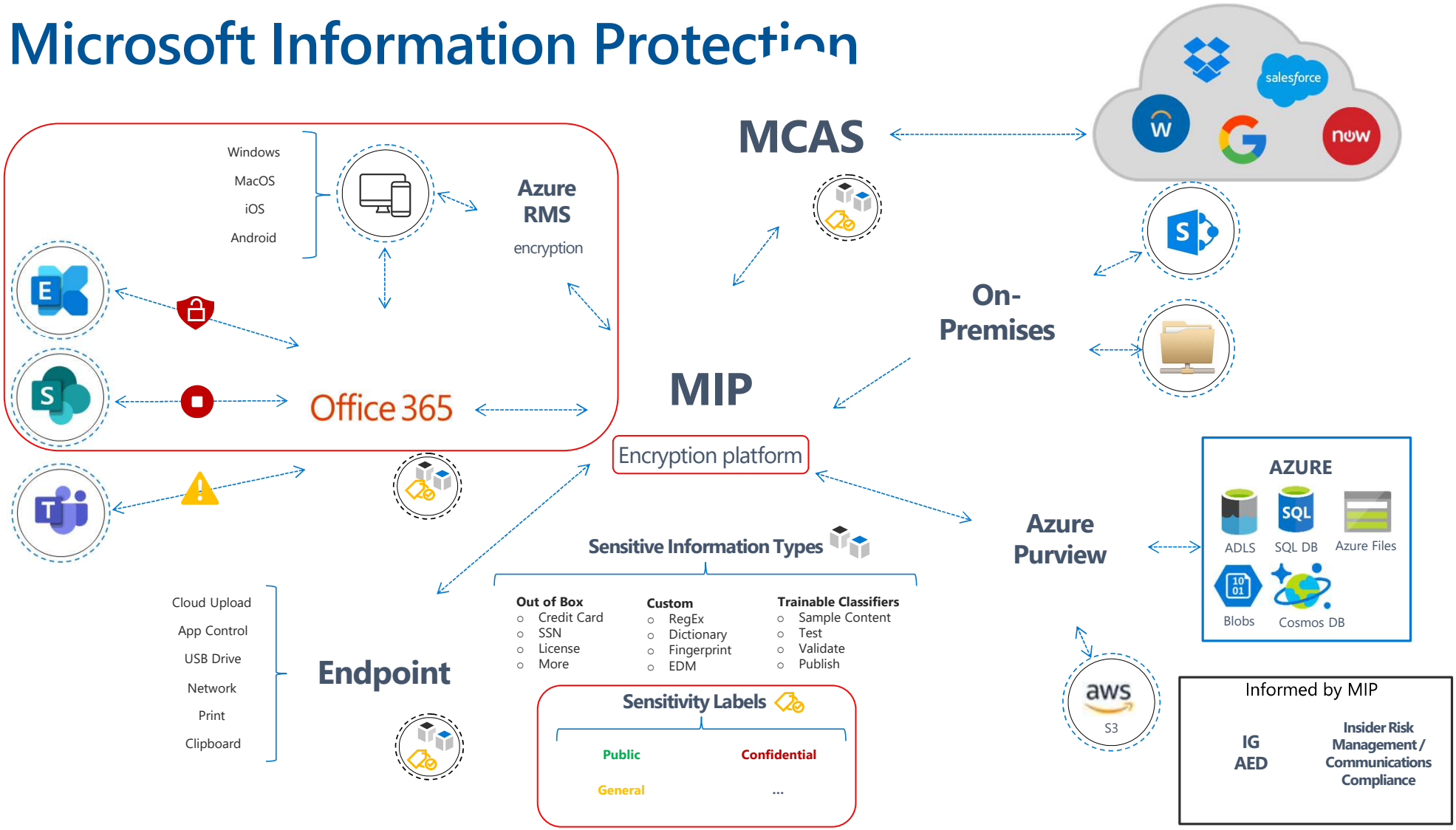


Microsoft Information Protection is a **built-in, intelligent, unified** and **extensible** platform and solution to protect sensitive data.

Microsoft Information Protection



Microsoft Information Protection



Sensitivity Labels are the foundation

1. All built on top of labels – these features are driven by label actions
2. It provides the capability to control access wherever the file travels
3. Balance of security versus collaboration

External Collaboration: Requires two parts

1. How do you get the file to the recipient?

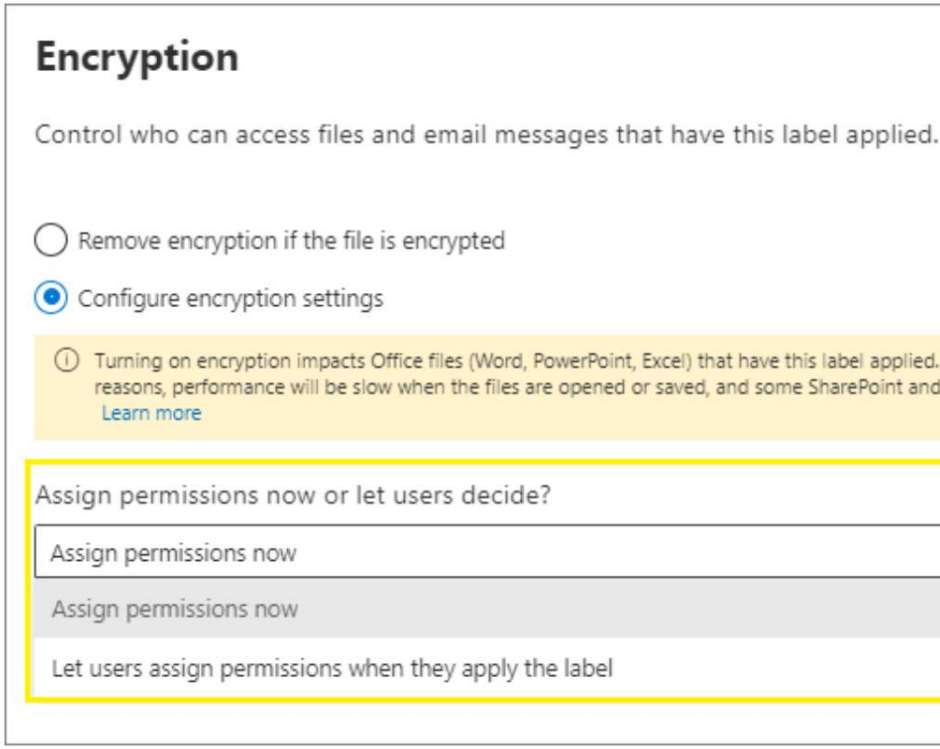
2. How does the recipient work with the protected content?

Recipient Identity - Software used to consume - Permissions

Recap on usage rights

- ***Admin-Defined Permission*** *- Assign permissions now*
  - Admins define a list of users with usage rights (in a label)
  - 4 default logical groupings of usage rights are provided to simplify label creation (Viewer, Reviewer, Co-Author, Co-owner)
  - Admins can also customize/choose from the list of usage rights for different users

- ***User-Defined Permission*** *(UDP) - Let users assign*
  - User inputs a list of users in the application
  - UDP labels have fixed usage rights and only the user who applied the label can can change/remove label
  - Do Not Forward/Encrypt-only are built-in UDP (label) protection in Outlook and Exchange
  - Prompt User are built-in UDP (label) protection in Word, Excel, and PowerPoint



External Collaboration: Options with protected content

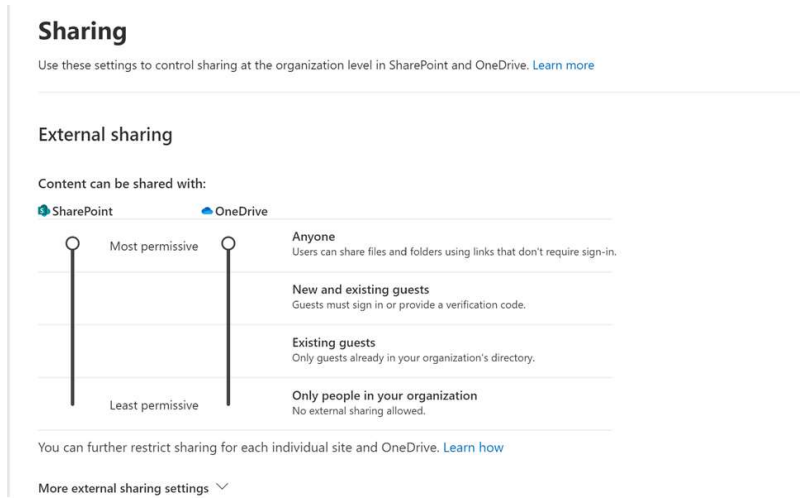
1. Sharing with SharePoint Online
   - "Today" this is only available for Admin-Defined permissions

2. Sharing with email
   - Available for Admin-Defined permissions and UDP

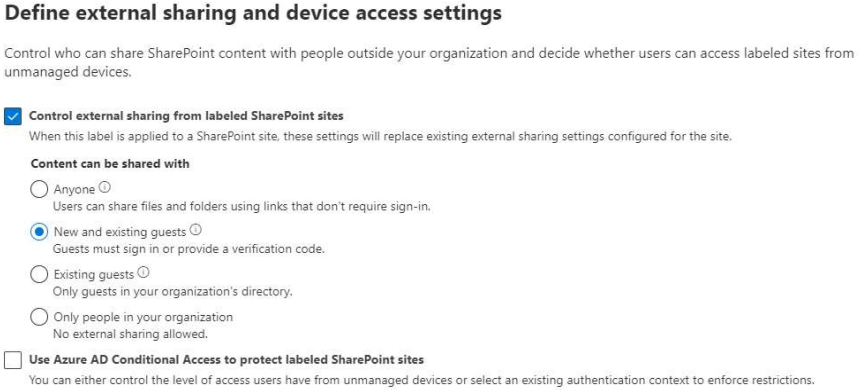
Sharing with SharePoint Online

- Integration with AAD B2B
- Default sharing link
- Sensitive by default

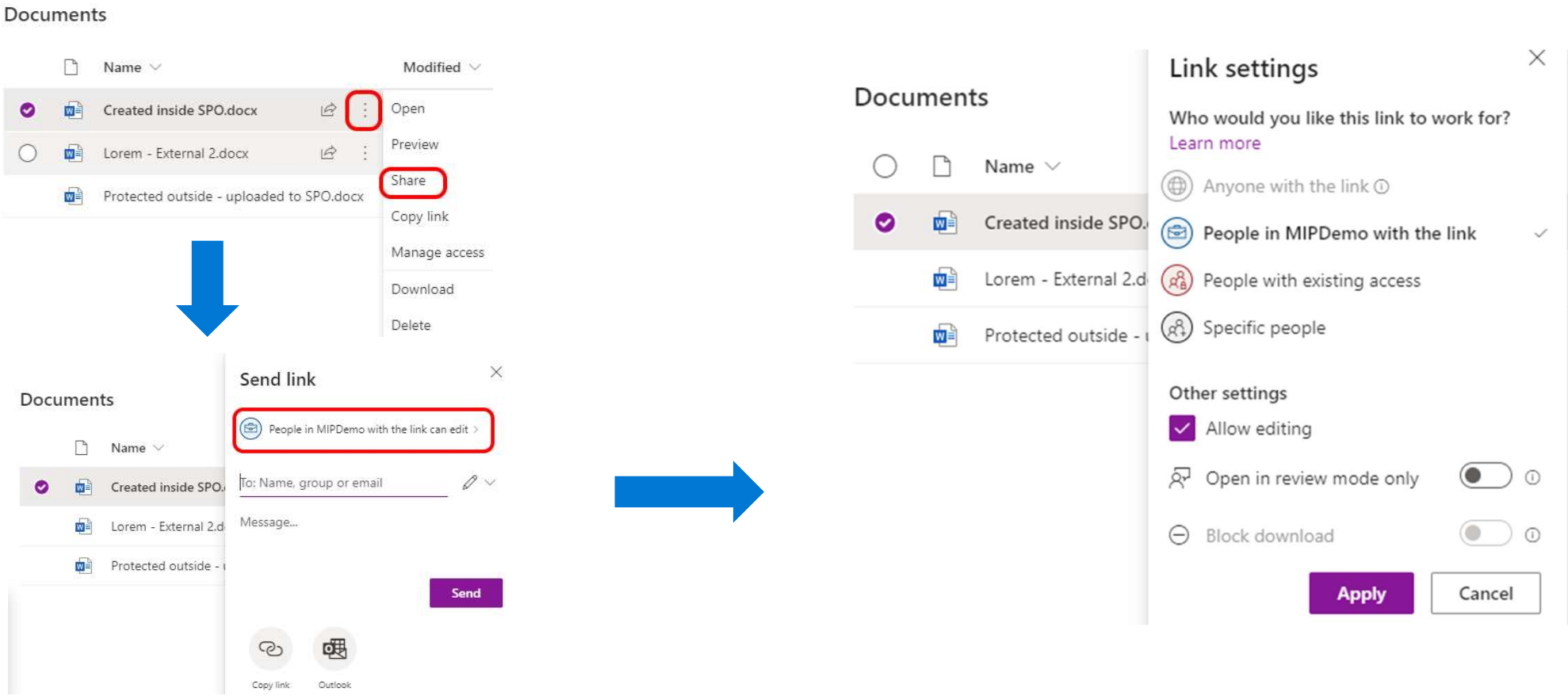
SPO: External Sharing



Container label properties



SPO: External Sharing flow



SPO: External Sharing – integration with AAD B2B

SharePoint and OneDrive integration with Azure AD B2B

08/27/2021 • 3 minutes to read •

This article describes how to enable Microsoft SharePoint and Microsoft OneDrive integration with Azure AD B2B.

Azure AD B2B provides authentication and management of guests. Authentication happens via one-time passcode when they don't already have a work or school account or a Microsoft account.

With SharePoint and OneDrive integration with Azure B2B Invitation Manager enabled, Azure B2B Invitation Manager can be used for sharing of files, folders, list items, document libraries and sites with people outside your organization. This feature provides an upgraded experience from the existing secure external sharing recipient experience. Additionally, Azure B2B Invitation Manager one-time passcode feature allows users who do not have existing Work or School accounts or Microsoft Accounts to not have to create accounts in order to authenticate, but can instead use the one time passcode to verify their identity.

Enabling this integration does not change your sharing settings. For example, if you have site collections where external sharing is turned off, it will remain off.

Once the integration is enabled you and your users do not have to reshare or do any manual migration for guests previously shared with. Instead, when someone outside your organization clicks on a link that was created before Azure AD B2B integration was enabled, SharePoint will automatically create a B2B guest account. This guest account is created on behalf of the user who originally created the sharing link. (If the user who created the link is no longer in the organization or no longer has permission to share, the guest will not be added to the directory and the file will need to be reshared.)

SharePoint and OneDrive integration with the Azure AD B2B one-time passcode feature is currently not enabled by default. Later, this feature will replace the ad-hoc external sharing experience used in OneDrive and SharePoint today.

Advantages of Azure AD B2B include:

- Invited people outside your organization are each given an account in the directory and are subject to Azure AD access policies such as multi-factor authentication.
- Invitations to a SharePoint site use Azure AD B2B and no longer require users to have or create a Microsoft account.
- If you have configured Google federation in Azure AD, federated users can now access SharePoint and OneDrive resources that you have shared with them.
- SharePoint and OneDrive sharing is subject to the Azure AD organizational relationships settings, such as **Members can invite** and **Guests can invite**. As with Microsoft 365 Groups and Teams, if an Azure AD organizational relationship setting is more restrictive than a SharePoint or OneDrive setting, the Azure AD setting will prevail.

https://docs.microsoft.com/en-us/sharepoint/sharepoint-azureb2b-integration

SPO: External Sharing – enabling the integration with AAD B2B

- Pre-requisite:
  - your organization needs to have Azure AD email one-time passcode authentication enabled.

1. Use the SharePoint Online Management Shell and run the following commands:

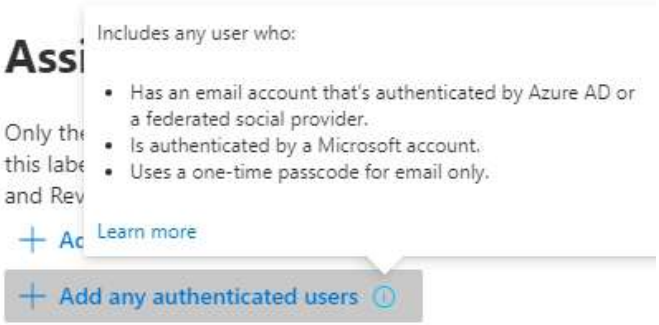
```powershell
Set-SPOTenant -EnableAzureADB2BIntegration $true
Set-SPOTenant -SyncAadB2BManagementPolicy $true
```

https://docs.microsoft.com/en-us/sharepoint/sharepoint-azureb2b-integration

SPO: External Sharing – M365 dynamic groups Vs. “any auth user”

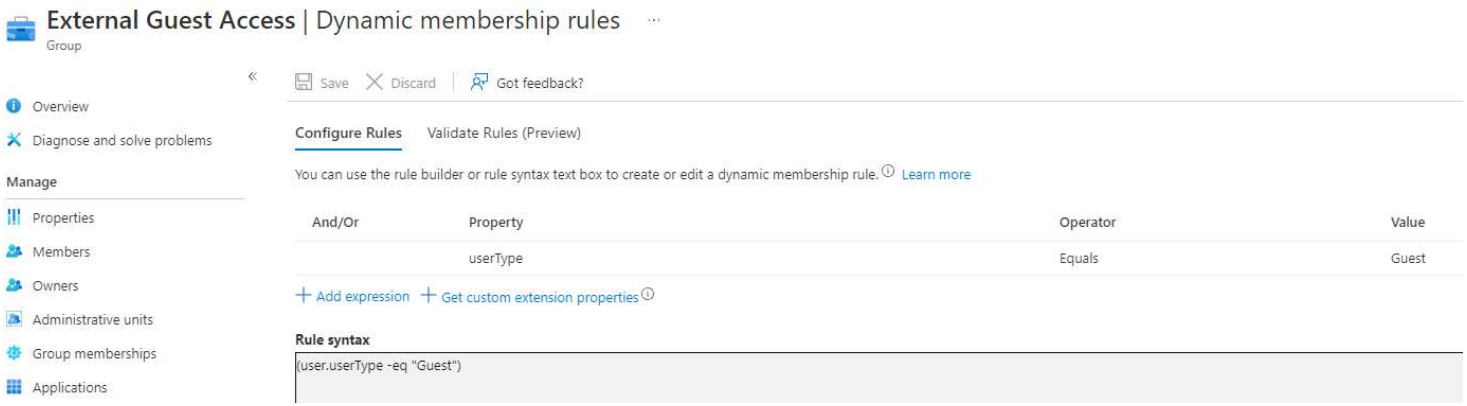
- What if I don’t know who I’ll be sharing with when configuring the admin-defined permissions?
  - Manually add guest accounts to the group used for Admin-Defined permissions
  - Use “any authenticated user” right (USE WITH CAUTION)
  - Use M365 Dynamic Groups

From the Assign Permissions blade when configuring permissions on the label:



SPO: External Sharing – M365 dynamic groups Vs. “any auth user”

Dynamic group example:



SPO: Default sharing link

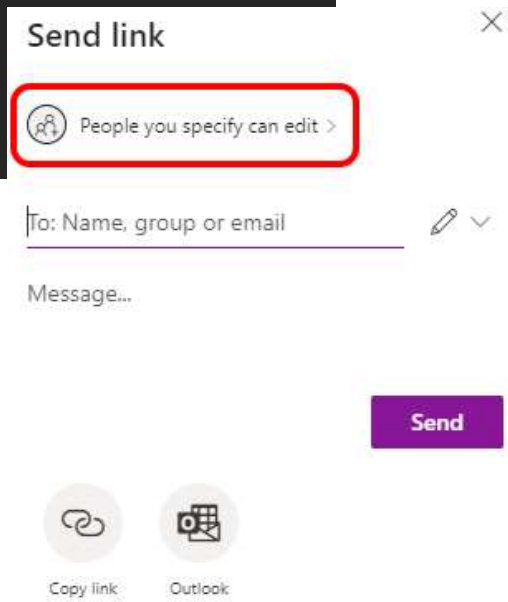
Approach of least privilege:

Use PowerShell to set to set the below to a container label of your choice.

1) Open PowerShell
2) $UserCredential = Get-Credential
3) $Session = New-PSSession -ConfigurationName Microsoft.Exchange -ConnectionUri https://ps.compliance.protection.outlook.com/powershell-liveid/ -Credential $UserCredential -Authentication Basic -AllowRedirection
4) Import-PSSession $Session -DisableNameChecking
5) Get-Label | Format-Table -Property DisplayName, Name, Guid

This shows you all the labels from the tenant. Now for a given label --> Say "Confidential – External Sharing" you can do like this:

```
Set-Label -Identity 'External Sharing' -AdvancedSettings @{DefaultSharingScope ="SpecificPeople"}
Set-Label -Identity External Sharing' -AdvancedSettings @{DefaultShareLinkPermission ="Edit"}
```



SPO: Sensitive by default

Mark new files as sensitive by default

08/27/2021 • 2 minutes to read • +5

When new files are added to SharePoint or OneDrive in Microsoft 365, it takes a while for them to be crawled and indexed. It takes additional time for the Office Data Loss Prevention (DLP) policy to scan the content and apply rules to help protect sensitive content. If external sharing is turned on, sensitive content could be shared and accessed by guests before the Office DLP rule finishes processing.

Instead of turning off external sharing entirely, you can address this issue by using a PowerShell cmdlet to block external access to new content unless it's explicitly authorized in a DLP rule and it has been verified that there's no sensitive content that goes against the policy rules. The setting enabled by this cmdlet prevents external users from accessing newly added files until at least one Office DLP policy scans the content and determines that the document doesn't contain any sensitive information that's against the rules defined in the policy. If the file has been indexed and scanned and it has no sensitive content that's against the rules in the DLP policy, then guests can access the file. If the policy identifies sensitive content in the document, or if there's no DLP rule explicitly authorizing access to the file, then guests will not be able to access the file, and they will receive the following access denied error message: "This file is being scanned right now. Please try again in a few minutes. If you still don't have access, contact the file owner."

> ⓘ Note
>
> This cmdlet applies to newly added files in all SharePoint sites and OneDrive accounts. It doesn't block sharing if an existing file is changed.

https://aka.ms/MIPC/sensitivebydefault

Sensitive by default

- Use the SharePoint Online Management Shell
  - Enable:
    - Set-SPOTenant -MarkNewFilesSensitiveByDefault BlockExternalSharing
  - Disable
    - Set-SPOTenant -MarkNewFilesSensitiveByDefault AllowExternalSharing

Best practice

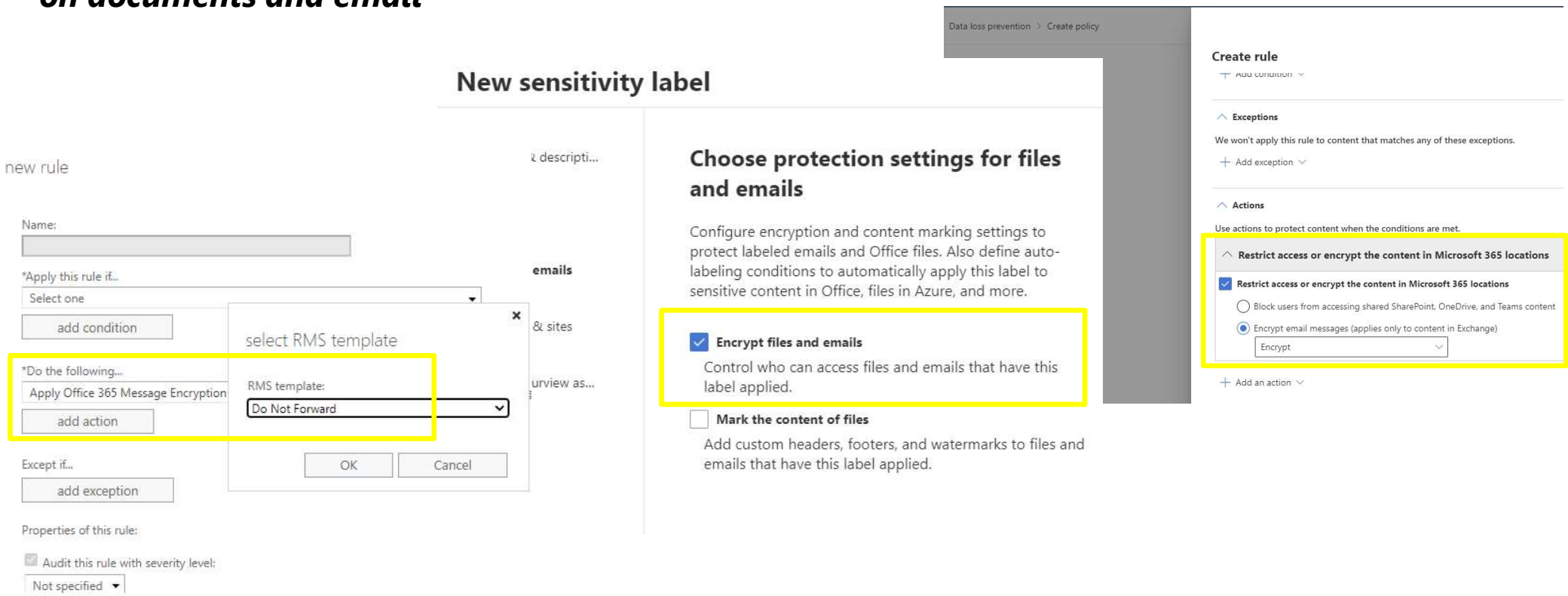
- Do you know who content will be shared with?
- Static groups for MIP permissions = best experience
- Balance collaboration with security posture when considering “any authenticated user
- When using M365 dynamic groups factor in the “1st time experience” and test end to end

Sharing with Email

- Encryption ecosystem across MIP, DLP, and OME
- Document attachment improvements in the OME portal
- Encryption flow improvements through Exchange Online

Encryption across ecosystem

- ***Different MIP solutions use the same underlying encryption technology to control access on documents and email***

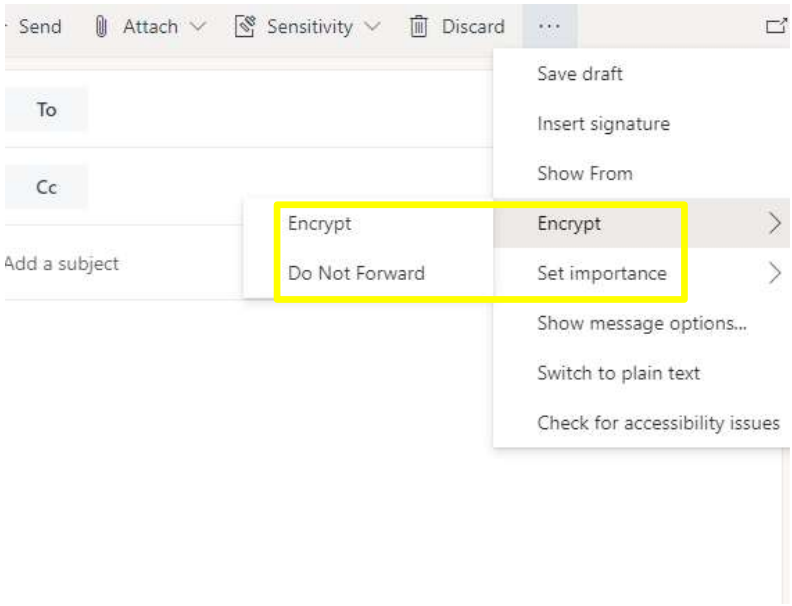


OME & AME

- ***Office 365 Message Encryption (OME) & Office 365 Advanced Message Encryption (AME) is the underlying solution that provides a consistent consumption experience across all the different MIP solutions that applies encryption to mail and document attachments***

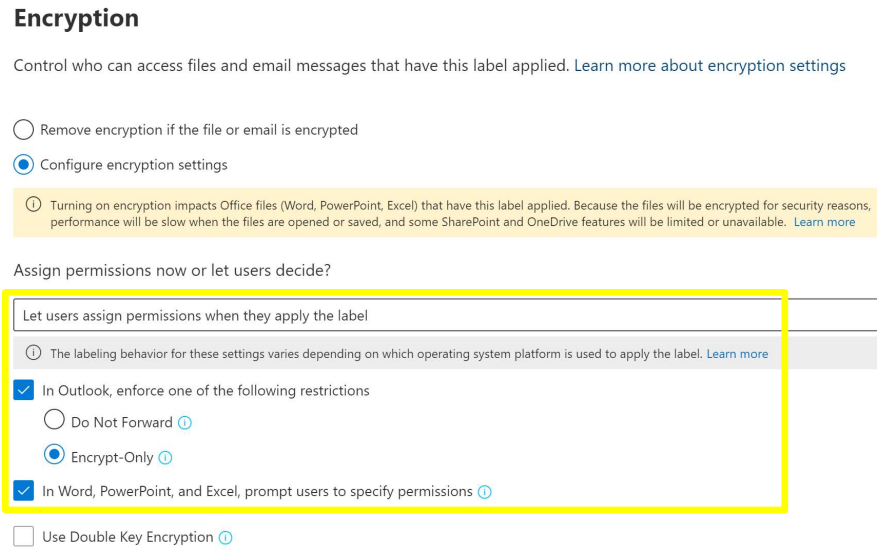
- ***OME offers fundamental functionality across all MIP encrypted mail***
  - *Zero setup with built-in encryption (Do Not Forward and encrypt-only) to Outlook clients and other MIP solutions to create encrypted mail to any recipients*
  - *An OME portal to store all encrypted mail for (non-M365) external recipients*
  - *A single default OME branding configuration for customizing the notification mail and OME portal*

- ***AME offers additional functionality across all MIP encrypted mail***
  - *Creation of custom OME branding configurations to apply based on your intended audience*
  - *OME branding configurations with expiration on access to mail stored in OME portal*
  - *Admin and end-user revocation to mail stored in OME portal*



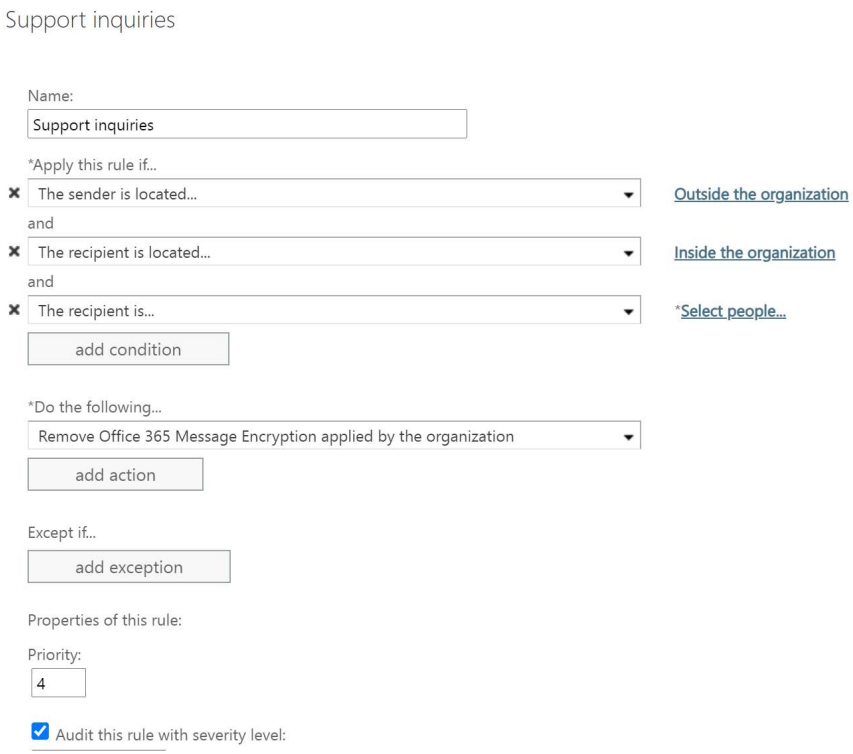
Using UDP for external collaboration with email

- **UDP provides the flexibility for users in your organizations to protect documents and emails to specific audiences on-demand**
- **Use *Encrypt-Only* protection to give permissions to recipients in the mail conversation to extend collaboration and communication with other relevant people**
- **Use *OME portal* to provide a consistent experience to external users to consume encrypted messages and any encrypted documents, even for non-M365 users**



Encryption removal and external collaboration

- **There are situations when there is a need to use a 3rd party solution that cannot reason/respond over encrypted mail conversations but need to transmit sensitive content with protection**
- **OME allows admins to create mail flow rules to apply or remove encryption as appropriate on outgoing mail**
- **Mail flow rules can also remove encryption on mail replies**



Best practice and guidance

- ***For customer facing communication and document sharing, it would be appropriate to send secure email and apply OME branding templates to ensure all external recipients retrieve mail from OME portal***

- ***Automated system such as customer support or payroll would benefit from using OME and setup mail flow rule to encrypt/unencrypt mail***

- ***3rd party journaling solution that cannot reason over encrypted mail can use OME to generate a compatible mail for storage by leveraging mail flow rules to remove the encryption from a bcc copy***

Resources

- One-Stop-Shop – https://aka.ms/MIPC/OSS
  - Webinars – https://aka.ms/MIPC/Webinars
  - Previews – https://aka.ms/MIPC/Previews

- Scenario Based Demo's video series – https://aka.ms/MIPC/SBD

- SharePoint - https://aka.ms/MIPC/ExternalCollab
- SharePoint & AAD B2B - https://docs.microsoft.com/en-us/sharepoint/sharepoint-azureb2b-integration
- AAD - https://docs.microsoft.com/en-us/azure/active-directory/external-identities/o365-external-user