



Layers of the Onion: Configuring External collaboration in Office 365

... and managing it with AvePoint

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Gold Collaboration and Content

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OFF202 – Layers of the Onion

Managing External Sharing in Office 365

John Peluso, CTO AvePoint Public Sector
@JohnConnected
<http://johnpeluso.me>



Introduction...



John Peluso

CTO, AvePoint Public Sector
Microsoft Regional Director

Email: John.Peluso@AvePoint.com

Twitter: [www.twitter.com/johnconnected](https://twitter.com/johnconnected)

LinkedIn: <https://www.linkedin.com/in/johnpeluso>

Blog: <https://www.avepoint.com/blog/author/john-pelusoavepoint-com/>

If all else fails: <http://johnpeluso.me>



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Today's Agenda

The reality...

Why we're having this discussion

Why you may be confused...

And you *should* be! Understanding the fundamentals of Guest Access in Teams

The plot thickens...

What's with external sharing in SPO and ODFB?

Managing guests at scale...

Operationalizing external sharing for your organization with AvePoint





Why are we
here?

Discussion:

Does anyone think this is a BAD idea?...

Let's face facts...

The Fear...

- By “letting them in”, you make it easy to over-share outside the org
- I don't trust my users to be careful when sharing, *especially* externally!
- My security team will never go for it
- Once an external person is *in*, how do I get them *out*?

The Reality...

- You are *already* sharing externally... but how?
- Are you leaving it to your users to decide *when* and *how*?
- Once your data leaves your system, what control do you have?
- Do you know *what* your external users are doing with your data?





The Landscape of Office 365 External Sharing

External collaboration in O365 is like an onion...

There are many layers to deal with

And...

If you do it wrong, it can make you tear up!



External sharing

Guest access

Guest access in Teams lets people outside your organization access teams and channels. You can use the settings below to control which features guest users can or can't use. [Learn more](#)

Allow guest access in Teams ☒ On

Calling

Manage calling specific controls for guest users.

Make private calls ☒ On

Meeting

Turn on or turn off settings for guests in meetings.





The Core: Azure
AD B2B

Watch this!

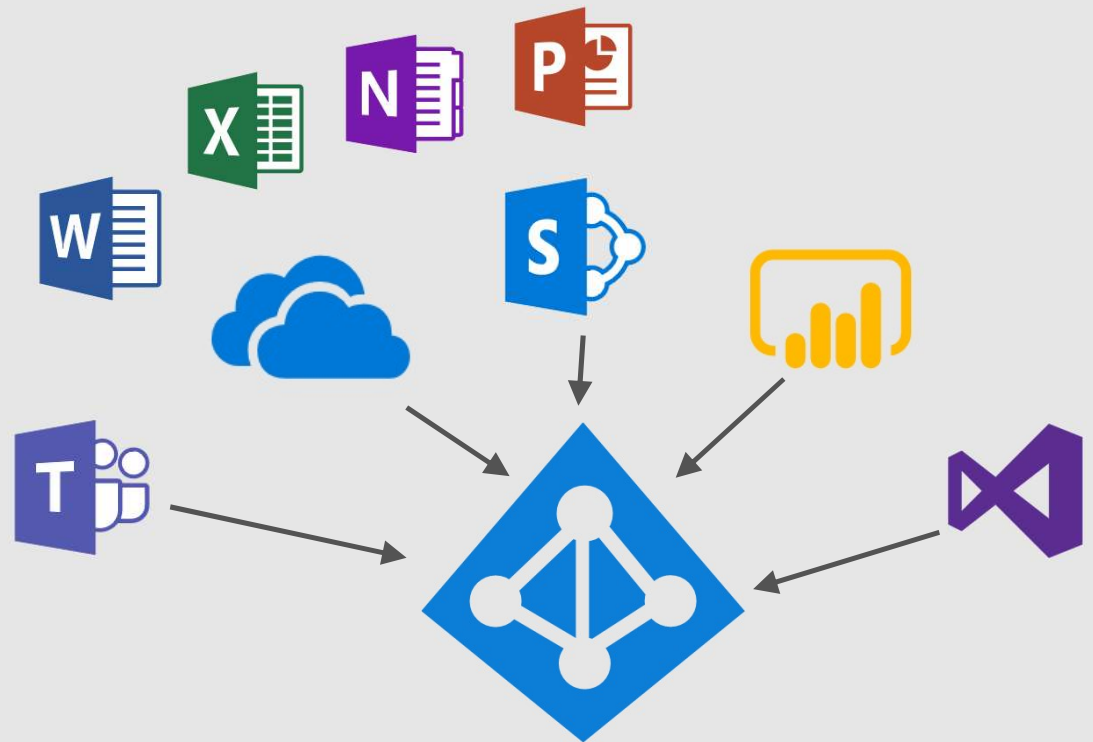


https://www.youtube.com/watch?v=JN5u6w_gyic

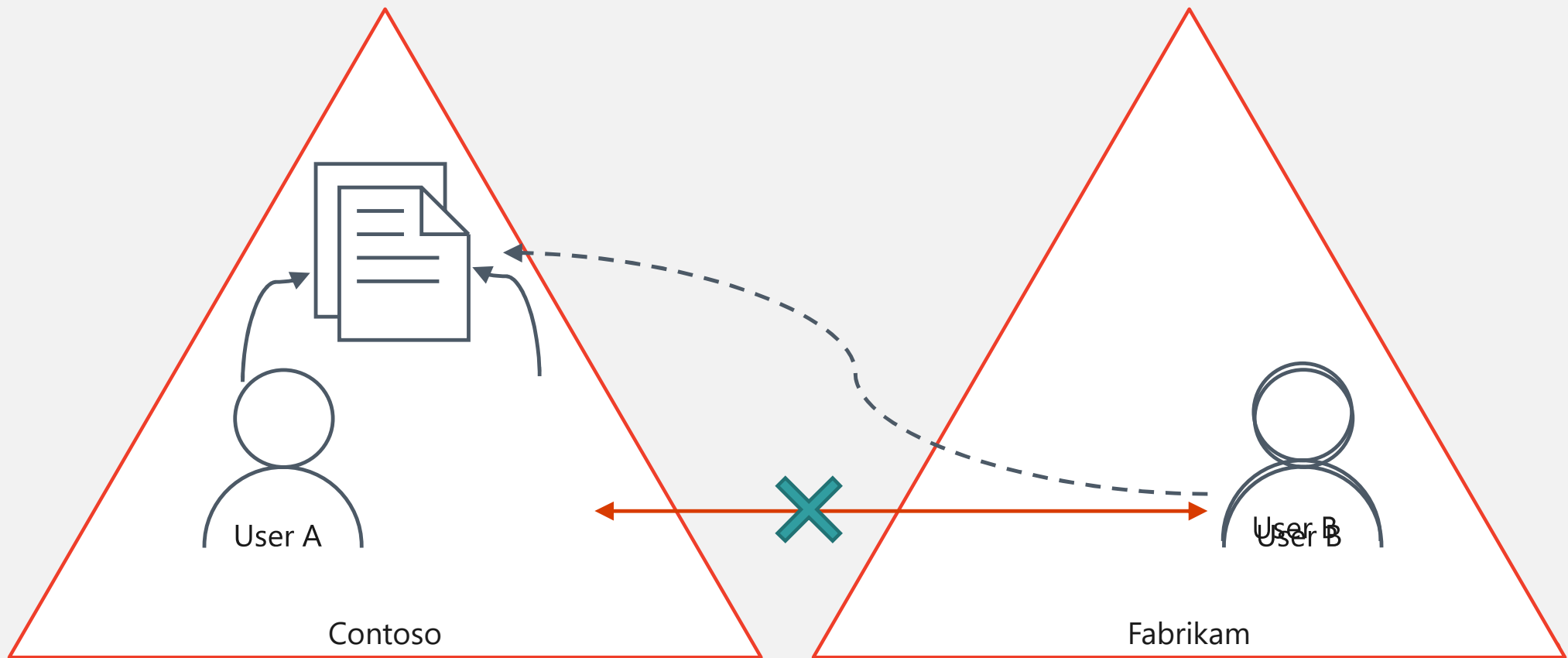
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Share and collaborate with guests in Microsoft products

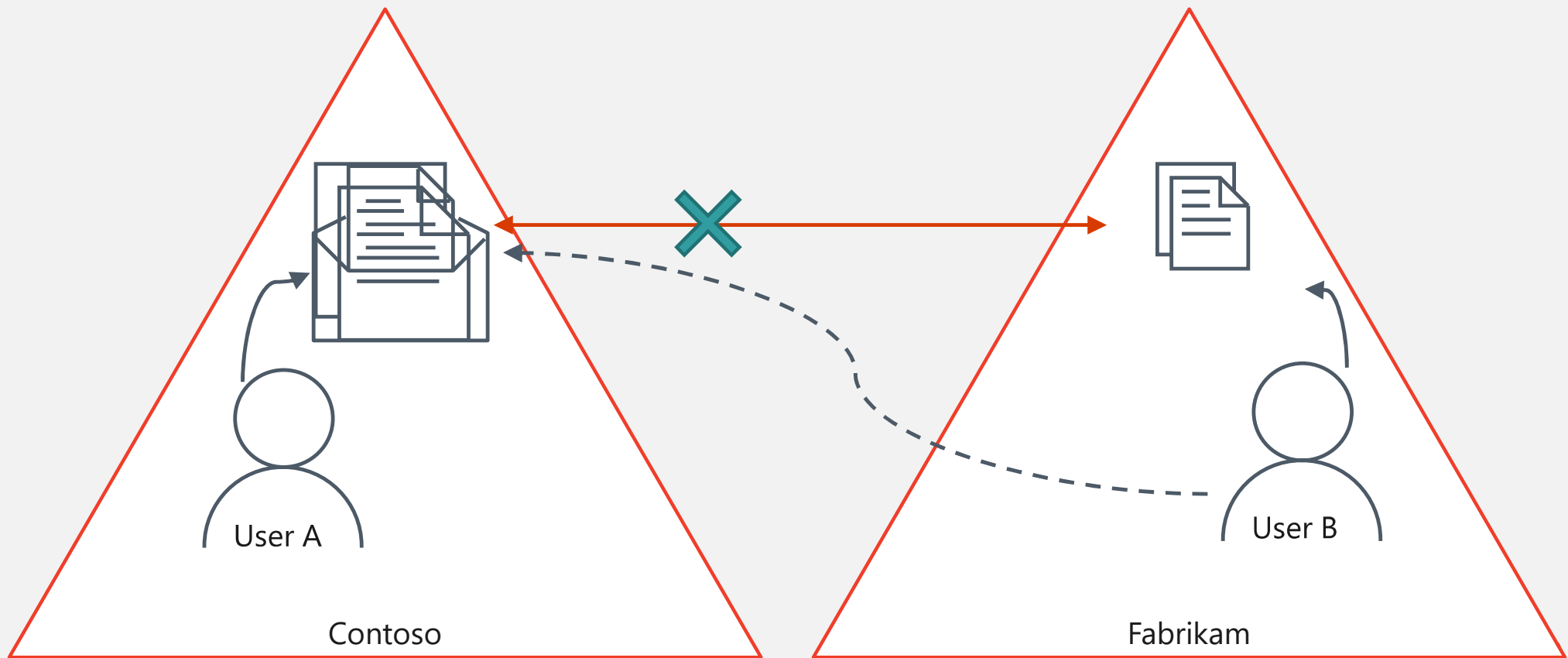
- Teams
- Office365 Groups
- SharePoint/Office client
- Power BI
- Visual Studio
- ...and more



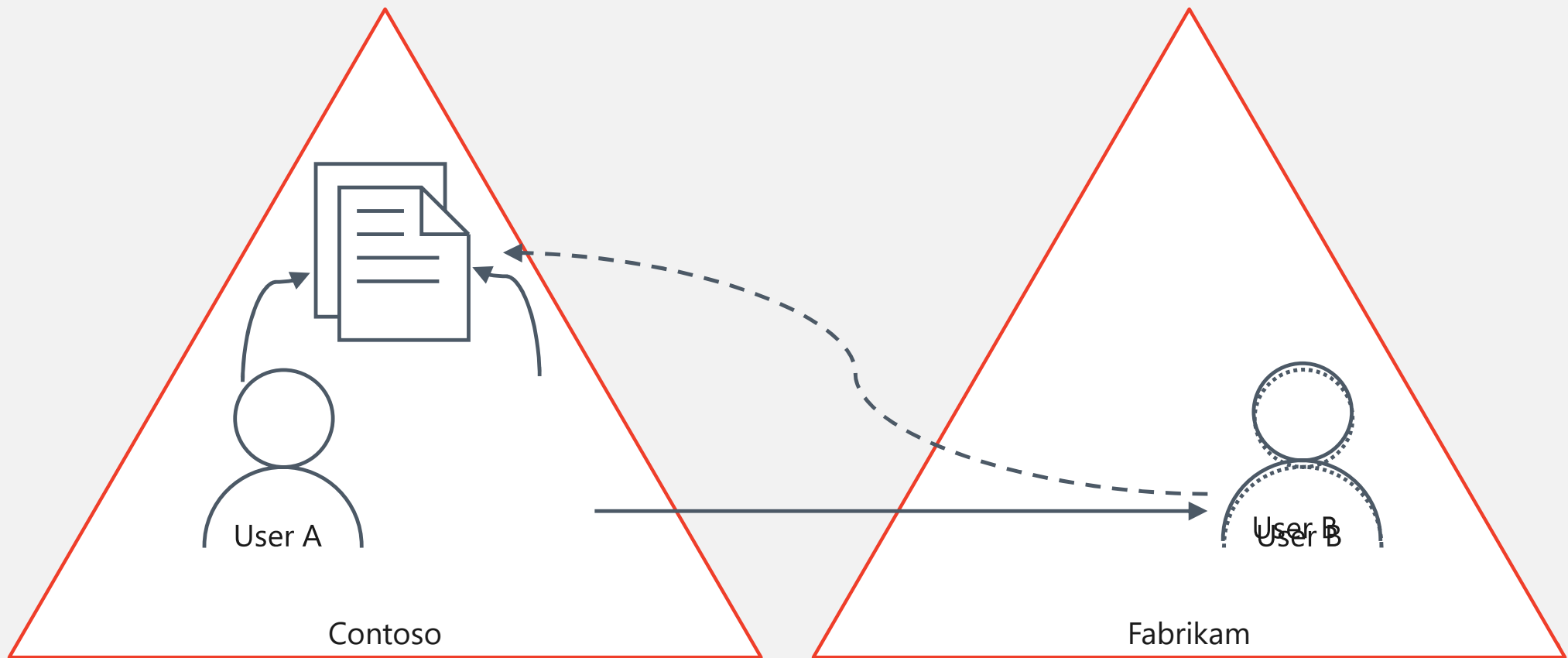
How we've shared externally in the past...



And this is even more common...



"Guest Users" in Azure Active Directory



Conditional access for guest users

You can enforce conditional access policies on guests just like you would for any other user

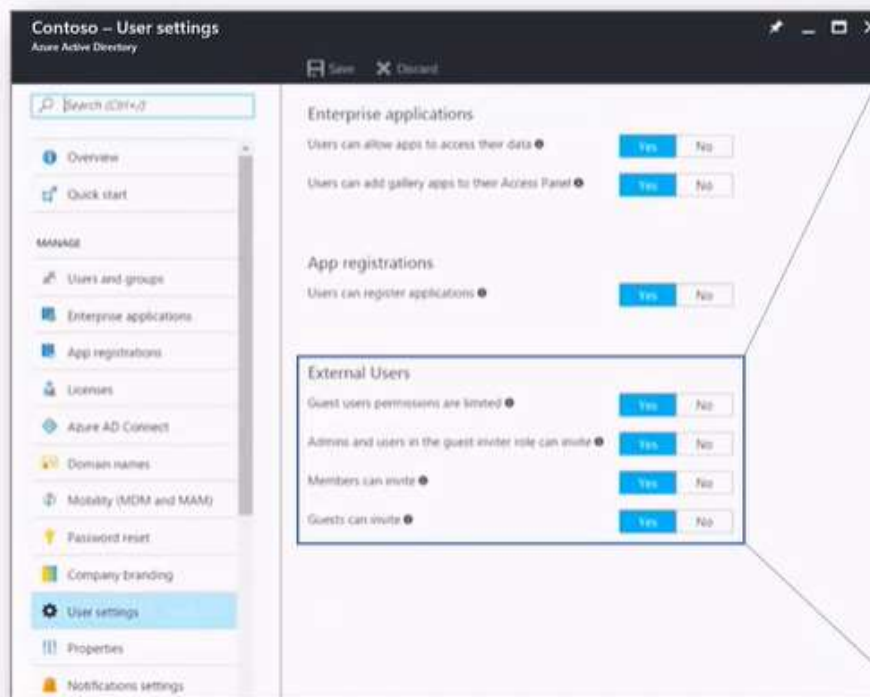
Can also have policies *specific* to guests

The screenshot shows the 'New' policy configuration window in the Azure AD Conditional Access console. The breadcrumb trail at the top is 'Home > Contoso > Conditional access - Policies > New > Users and groups'. The window is divided into two main panes. The left pane, titled 'New', contains an 'Info' section with a blue information icon and a 'Name' field with the text 'Require guests to be on Network' and a green checkmark. Below this is an 'Assignments' section with three expandable options: 'Users and groups' (selected and highlighted in blue), 'Specific users included', and 'Cloud apps'. The right pane, titled 'Users and groups', contains a dashed blue box around the 'Include' button and an 'Exclude' button. Below these are three radio button options: 'None', 'All users', and 'Select users and groups' (which is selected). Under 'Select users and groups', there are three checkboxes: 'All guest users (preview)' (checked), 'Directory roles (preview)', and 'Users and groups'.



Configuring B2B settings in AAD..

Lever 1: Tenant level settings on Azure Active Directory



Guest users permission limited: No means guests and members have same access to directory data. **Yes** limits permission. Some Guests can be added to special access roles.

Admins and users in the guest inviter role can invite: Yes means users in the role can invite guests. **No** means admins or users can't.

Members can invite: No means that only admins can invite guests to your directory.

Guests can invite: No means guests can't invite other guests.
Default value is set to **Yes** for tenants.



What's this gonna cost me?

Azure B2B Licensing

- No special licensing needed

Azure AD Free capabilities are available for guest users without additional licensing.

- 5:1 ratio: 5 Guests per 1 user license

An inviting tenant with an Azure AD paid license has B2B collaboration use rights to an additional five B2B guest users invited to the tenant.

- 5:1 licensing is determined by the feature requirements of your B2B users

Example: A customer wants to invite 100 B2B collaboration users to its Azure AD tenant. The customer assigns access management and provisioning for all users, but 50 users also require MFA and conditional access. This customer must purchase 10 Azure AD Basic licenses and 10 Azure AD Premium P1 licenses to cover these B2B users correctly. If the customer plans to use Identity Protection features with B2B users, they must have Azure AD Premium P2 licenses to cover the invited users in the same 5:1 ratio.

- Licensing is based on the relationship of the user to the tenant, not authentication

If these users are not partners, they are treated differently in licensing terms. They are not considered to be a B2B collaboration user for licensing purposes even if their UserType is marked as "Guest." They should be licensed normally, at one license per user.

<https://docs.microsoft.com/en-us/azure/active-directory/b2b/licensing-guidance>

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Demo:
Configuring Azure AD for "Guest" access





The Outer Layers

Things to know...

Guests are

- Anyone outside your organization/tenant
- Anyone with a work or consumer email account
- Added by Team owners or IT Admins



Guest license is

- Included as part of O365 subscriptions at no additional cost; up to 5 guests per one user on your tenant
- Subjected to Azure AD and O365 Service Limits

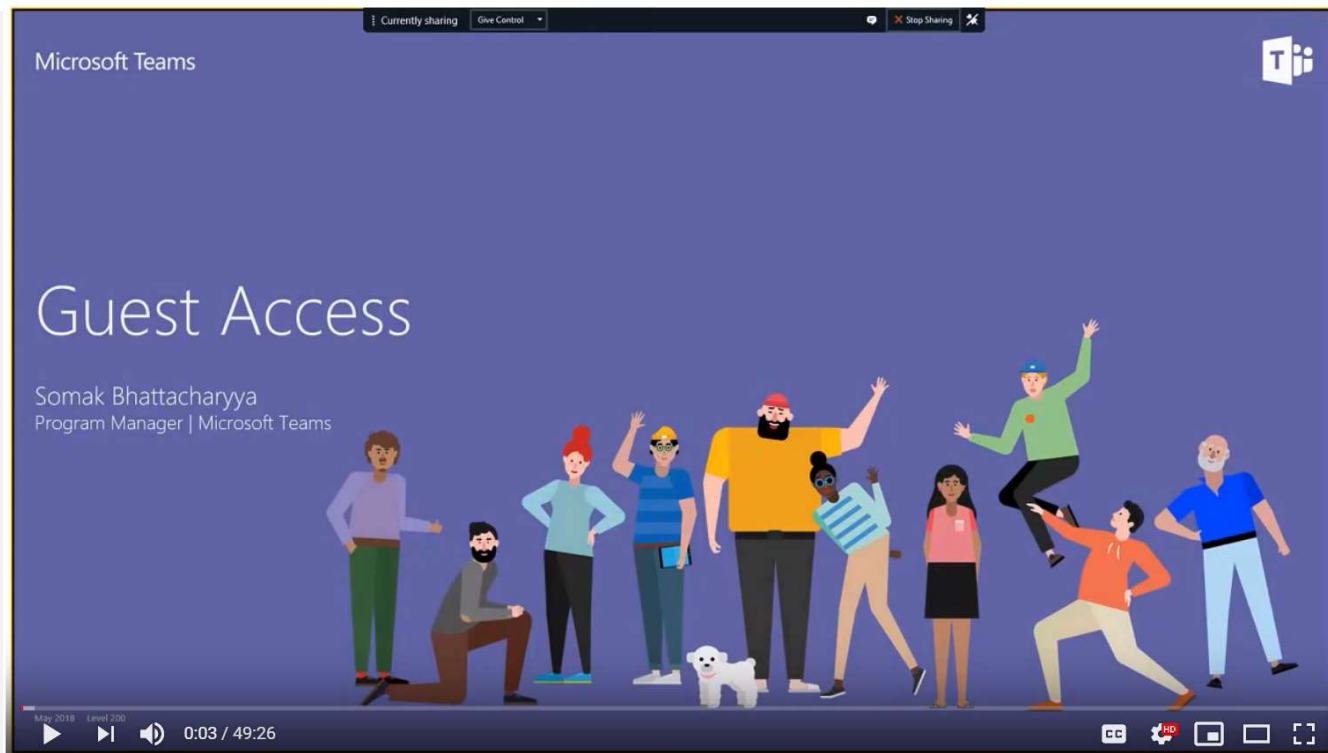


Guest are managed

- As users within the inviting tenant's Azure AD
- By the inviting tenant with Multi-Factor Auth, Mobile Device or Application Management, and Conditional Access Policies as applicable



And also watch this!

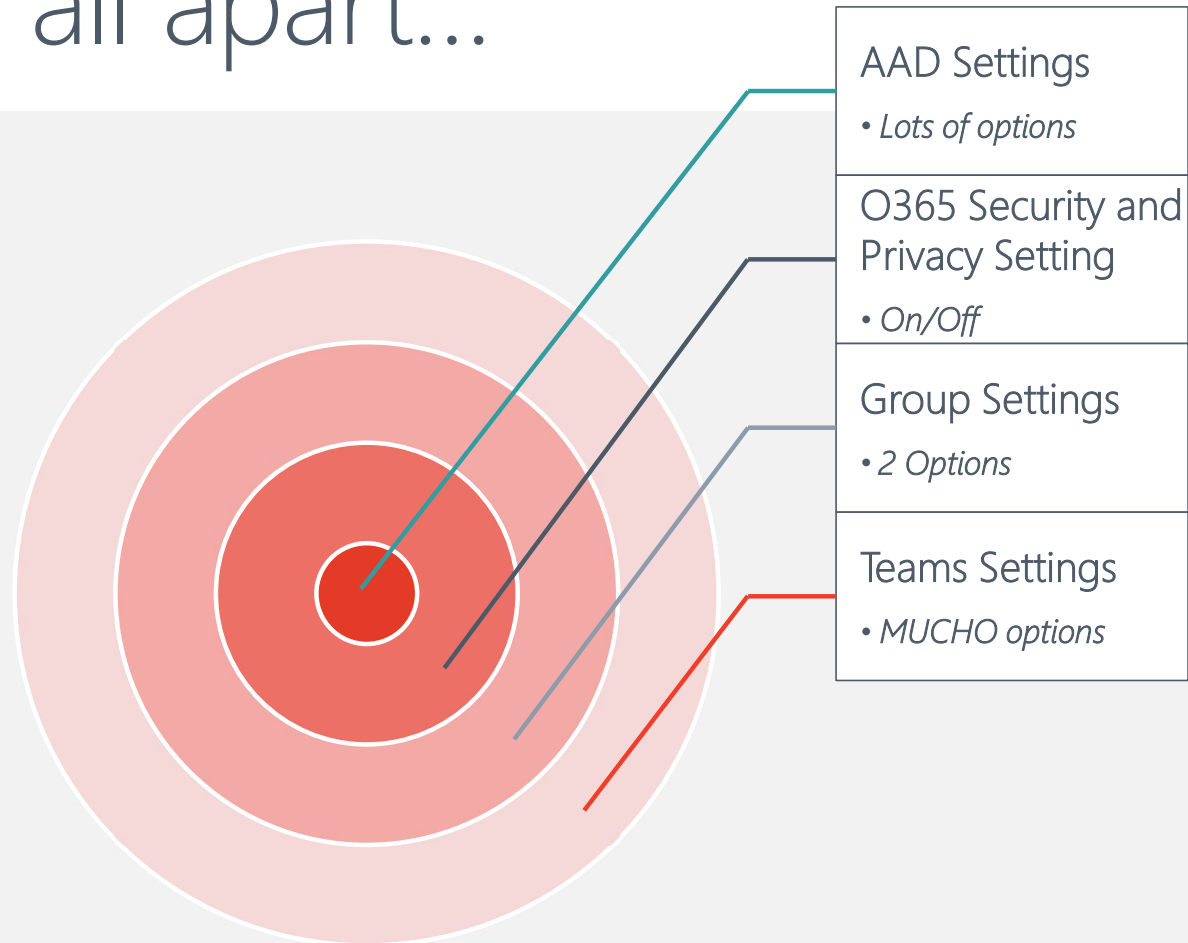


Microsoft Teams Best Practices for Managing Guest Access

<https://www.youtube.com/watch?v=vaJRRSjBxxY>

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Peeling it all apart...

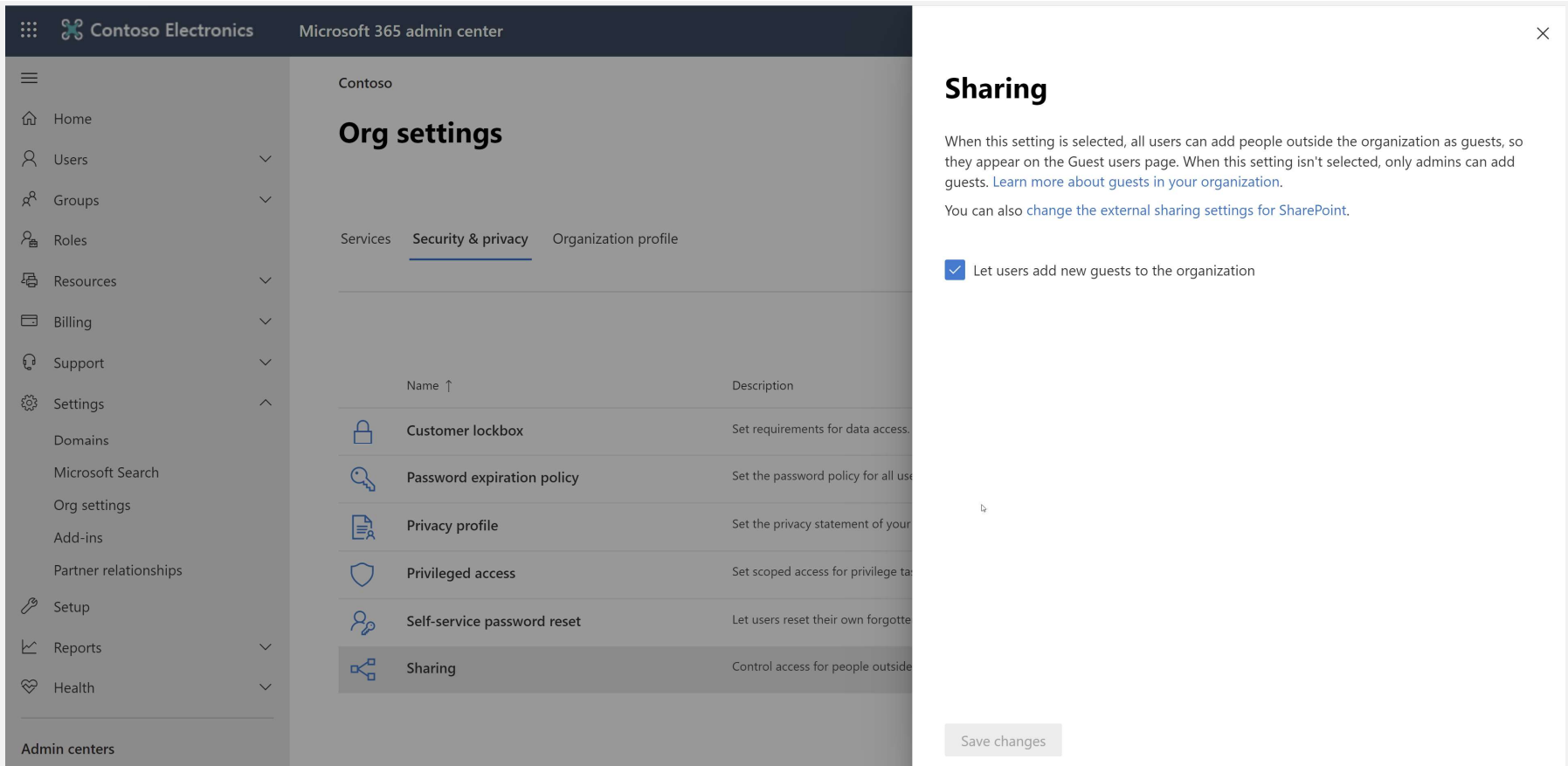


<https://docs.microsoft.com/en-us/microsoftteams/guest-access-checklist>

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O365 Tenant wide: Owners can invite *new* guests?



The screenshot displays the Microsoft 365 admin center interface for 'Contoso Electronics'. The left sidebar shows the navigation menu with 'Settings' expanded. The main content area is titled 'Org settings' and has tabs for 'Services', 'Security & privacy' (selected), and 'Organization profile'. Under 'Security & privacy', a list of settings is shown, with 'Sharing' selected. The 'Sharing' settings panel on the right contains the following text:

Sharing

When this setting is selected, all users can add people outside the organization as guests, so they appear on the Guest users page. When this setting isn't selected, only admins can add guests. [Learn more about guests in your organization.](#)

You can also [change the external sharing settings for SharePoint.](#)

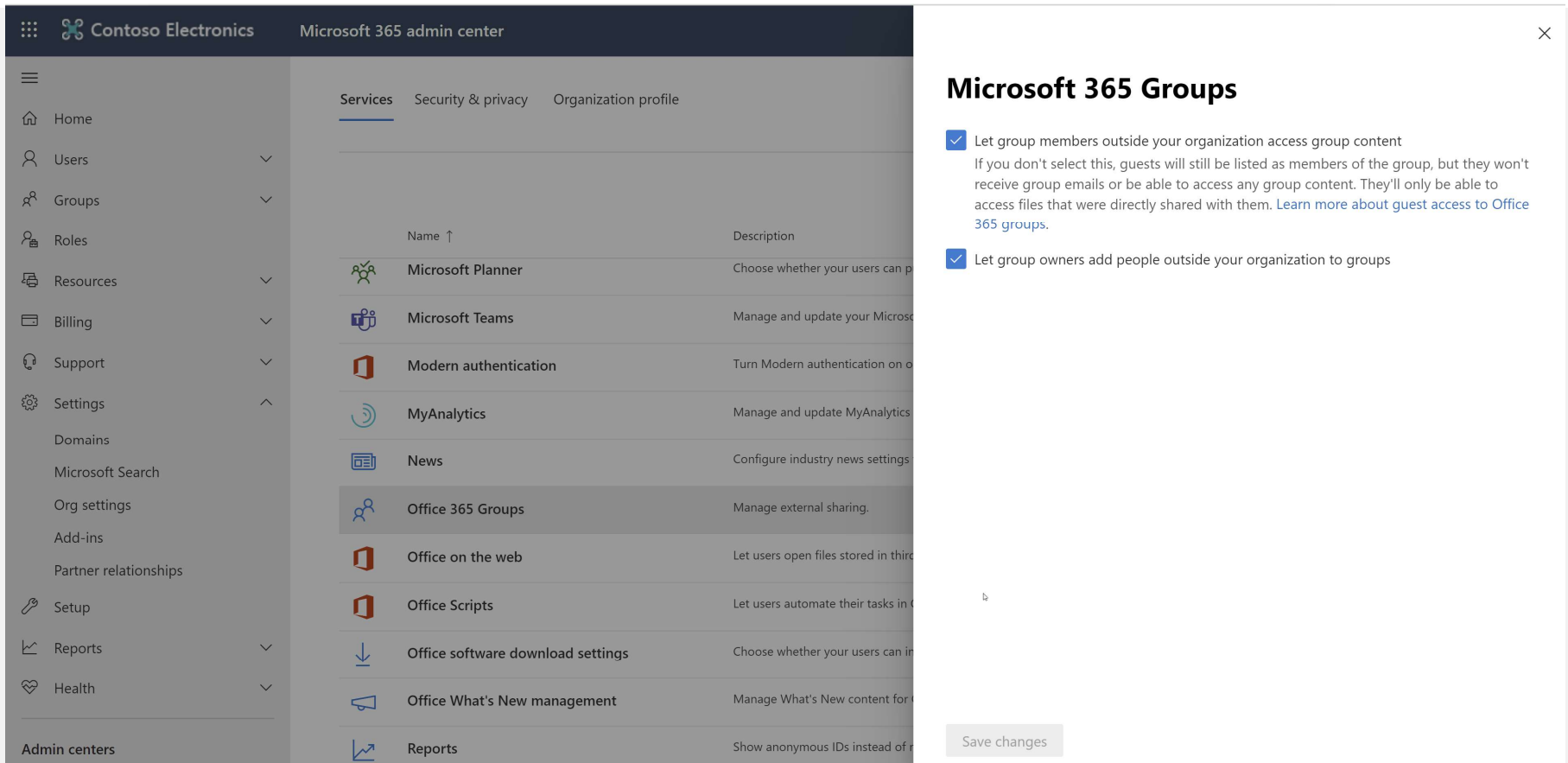
☒ Let users add new guests to the organization

At the bottom of the panel is a 'Save changes' button.

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O365 Groups: Owners can *add* and/or *invite* guests?



Contoso Electronics Microsoft 365 admin center

Services Security & privacy Organization profile

Name ↑	Description
Microsoft Planner	Choose whether your users can p
Microsoft Teams	Manage and update your Micros
Modern authentication	Turn Modern authentication on o
MyAnalytics	Manage and update MyAnalytics
News	Configure industry news settings
Office 365 Groups	Manage external sharing.
Office on the web	Let users open files stored in thir
Office Scripts	Let users automate their tasks in
Office software download settings	Choose whether your users can in
Office What's New management	Manage What's New content for
Reports	Show anonymous IDs instead of r

Microsoft 365 Groups

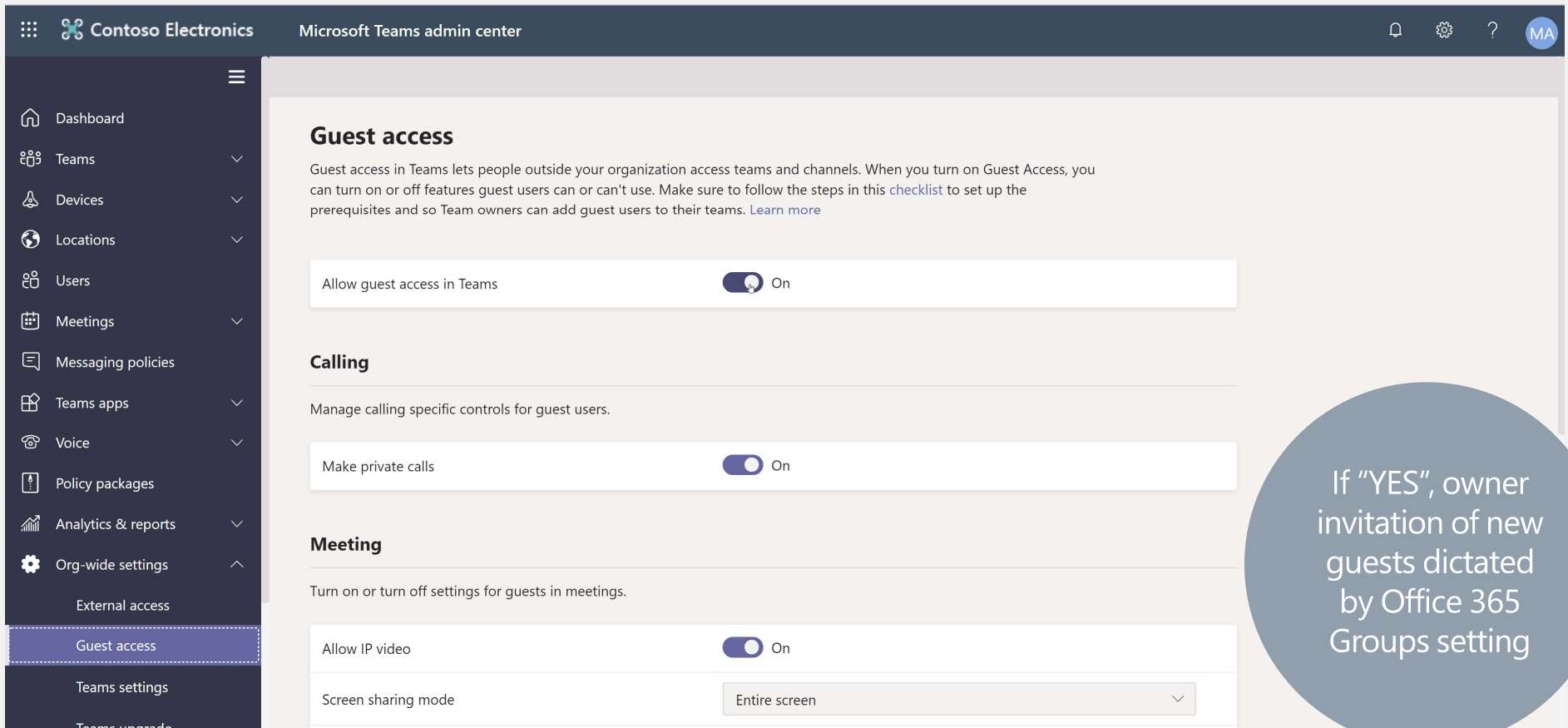
- ☒ Let group members outside your organization access group content
If you don't select this, guests will still be listed as members of the group, but they won't receive group emails or be able to access any group content. They'll only be able to access files that were directly shared with them. [Learn more about guest access to Office 365 groups.](#)
- ☒ Let group owners add people outside your organization to groups

Save changes

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Microsoft Teams: Are guests allowed in Teams?



The screenshot displays the Microsoft Teams admin center interface for 'Contoso Electronics'. The left-hand navigation pane includes options such as Dashboard, Teams, Devices, Locations, Users, Meetings, Messaging policies, Teams apps, Voice, Policy packages, Analytics & reports, Org-wide settings, External access, Guest access (highlighted), Teams settings, and Teams upgrade. The main content area is titled 'Microsoft Teams admin center' and features three sections: 'Guest access', 'Calling', and 'Meeting'. The 'Guest access' section includes a toggle for 'Allow guest access in Teams' which is currently turned 'On'. The 'Calling' section has a toggle for 'Make private calls' also turned 'On'. The 'Meeting' section includes a toggle for 'Allow IP video' turned 'On' and a dropdown for 'Screen sharing mode' set to 'Entire screen'. A blue circular callout on the right side of the interface contains the text: 'If "YES", owner invitation of new guests dictated by Office 365 Groups setting'.

Guest access

Guest access in Teams lets people outside your organization access teams and channels. When you turn on Guest Access, you can turn on or off features guest users can or can't use. Make sure to follow the steps in this [checklist](#) to set up the prerequisites and so Team owners can add guest users to their teams. [Learn more](#)

Allow guest access in Teams ☒ On

Calling

Manage calling specific controls for guest users.

Make private calls ☒ On

Meeting

Turn on or turn off settings for guests in meetings.

Allow IP video ☒ On

Screen sharing mode: Entire screen

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Teams+Groups: Should *this one* be more restrictive?

The screenshot shows the Microsoft Docs interface for the article "Use PowerShell to control guest access to a team". The page has a dark theme. On the left is a navigation pane with a search bar and a list of topics. The main content area includes the article title, a metadata line with the date, reading time, and user count, followed by an introductory paragraph and a bulleted list of actions. On the right, there are sections for user feedback and a table of contents for the article.

Microsoft Docs | Documentation | Learn | Q&A | Code Samples

Microsoft Teams / Chat, teams, channels, and apps / Communicate with external users / Guest access / Use PowerShell to control guest access

Search | Sign in | Bookmark | Feedback | Edit | Share

Use PowerShell to control guest access to a team

06/24/2020 • 2 minutes to read • 13 • Applies to: Microsoft Teams

In addition to using the Microsoft 365 admin center and the Azure Active Directory (Azure AD) portal, you can use Windows PowerShell to control guest access. With PowerShell, you can do the following:

- Allow or block guest access to all teams and Microsoft 365 Groups
- Allow guests to be added to all teams and Microsoft 365 Groups
- Allow or block guest users from a specific team or Microsoft 365 group

For details, see "Use PowerShell to control guest access" in [Manage guest access in Microsoft 365 Groups](#).

You can also use PowerShell to allow or block a guest user based on their domain. For example, let's say your business (Contoso) has a partnership with another business (Fabrikam). You can add Fabrikam to your Allow list so your users can add those guests to their groups. For more information, see [Allow/Block guest access to Microsoft 365 Groups](#).

If you want to block guests in Teams and still want to allow them to access SharePoint sites, you can use Azure AD Powershell cmdlets to disable the AllowGuestsToAccessGroups parameter on the Company object, assuming external sharing is turned on for SharePoint sites.

Is this page helpful?
Yes No

In this article

- Use PowerShell to turn guest access on or off
- Guest access vs. external access

Download PDF

<https://docs.microsoft.com/en-us/microsoftteams/guest-access-powershell>



What guests in Teams can do...

Guests can

- Participate in private chat with other users in the team(s) to which they're invited
- Participate in a channel conversation in the invited Team
- Post, delete, and edit messages
- Share a channel file



Guests might

- Create a channel
- Invite a user outside the Office 365 tenant's domain

Only if Team owner allows

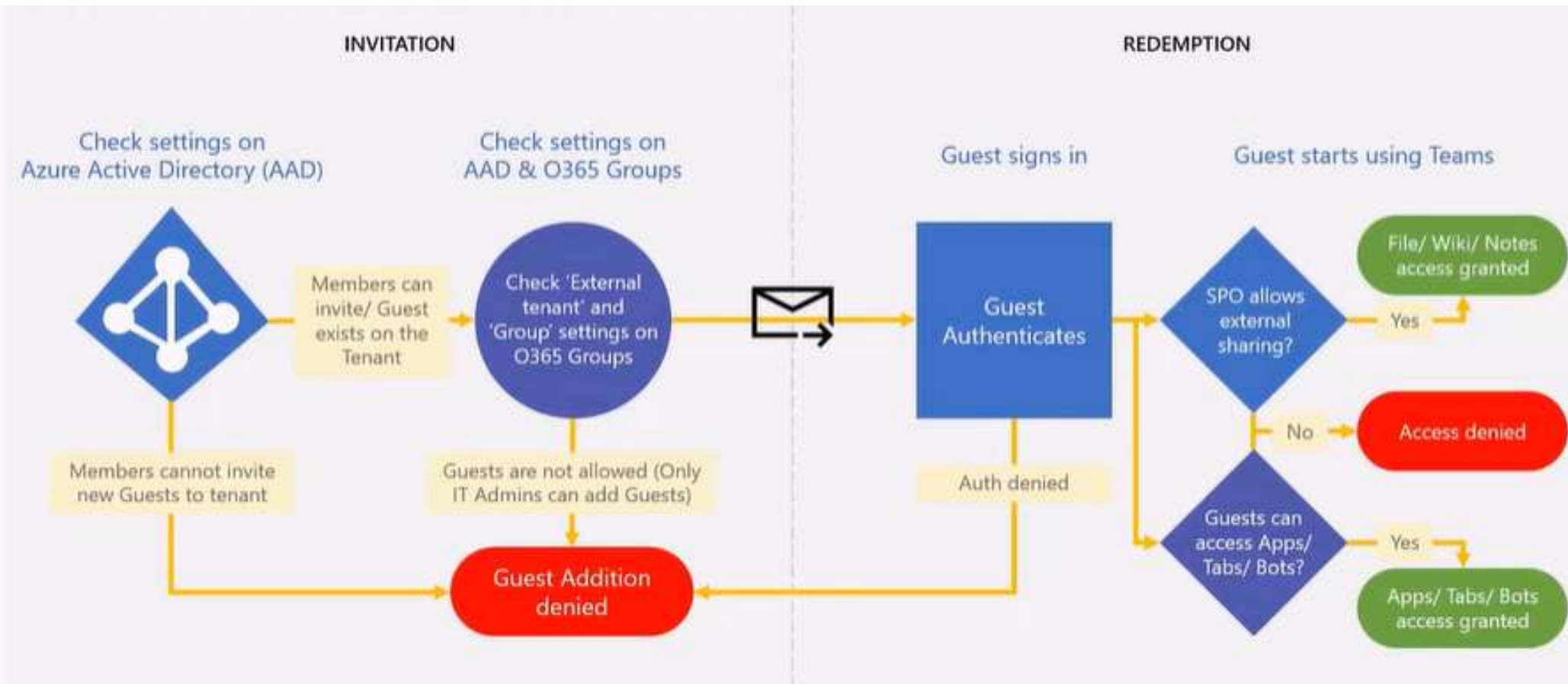


Guests cannot

- Create teams or meetings
- Discover and join public teams
- Share files over chat
- Add apps (tabs/bot/connectors)
- Access OneDrive for Business
- Change guest access policies
- Search for users outside the team(s) to which they're invited



How it all fits together...



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Be careful with your “guest” and “external” terminology

Guest access vs. external access (federation)

External access (federation) and guest access are different:

- Guest access gives access permission to an individual. External access gives access permission to an entire domain.
- Guest access, once granted by a team owner, allows a guest to [access resources](#), such as channel discussions and files, for a specific team, and chat with other users in the team they have been invited to.

With external access (federated chat), the external chat participants have no access to the inviting organization’s teams or team resources. **They can only participate in one-on-one federated chat.** Tenant admins can choose between the two communication options depending on which level of collaboration is desirable with the external party. Admins can choose either approaches or both, depending on their organizational needs, but we recommend enabling guest access for a fuller, collaborative Teams experience.

<https://docs.microsoft.com/en-us/microsoftteams/guest-experience>

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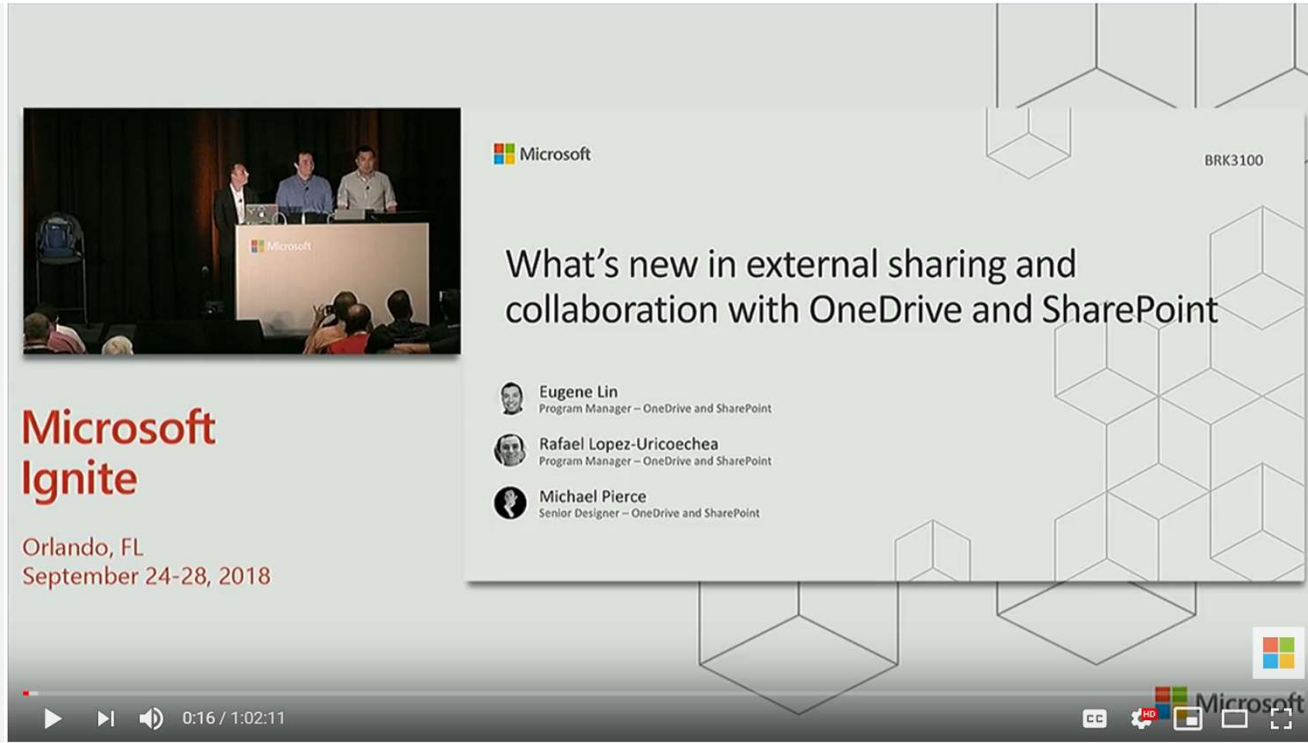
Demo:
*Configuring Teams and Groups for Guest
Access*





SharePoint Online
and ODFB...
a.k.a "the shallots"

And you should probably also watch this!



The image shows a YouTube video player interface. The video is titled "What's new in external sharing and collaboration with OneDrive and SharePoint" and is identified by the code BRK3100. It is a Microsoft Ignite session from Orlando, FL, held from September 24-28, 2018. The speakers listed are Eugene Lin (Program Manager for OneDrive and SharePoint), Rafael Lopez-Uricoechea (Program Manager for OneDrive and SharePoint), and Michael Pierce (Senior Designer for OneDrive and SharePoint). The video player includes a thumbnail of the speakers on stage, a progress bar at 0:16 / 1:02:11, and standard YouTube controls. The Microsoft logo is visible in the top left and bottom right of the video frame.

Microsoft

BRK3100

What's new in external sharing and collaboration with OneDrive and SharePoint

Eugene Lin
Program Manager – OneDrive and SharePoint

Rafael Lopez-Uricoechea
Program Manager – OneDrive and SharePoint

Michael Pierce
Senior Designer – OneDrive and SharePoint

Microsoft Ignite

Orlando, FL
September 24-28, 2018

0:16 / 1:02:11

What's new in external sharing and collaboration with OneDrive and SharePoint - BRK3100

<https://www.youtube.com/watch?v=KvcYz3ERZSY>

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Why are SharePoint and ODFB are a bit...different



<https://docs.microsoft.com/en-us/azure/active-directory/b2b/o365-external-user>

Not built on AAD B2B

- They had external sharing before Azure B2B existed
- Looks like consolidation may be coming but it's early days, some preview functionality

You are *not* seeing double

- Many of the same settings as the AAD model, but independent
- You can *force* more centralization if it fits your use cases by tying sharing to existing users in the directory

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Managing external sharing

> Control WHO can share to external users

Everyone

Only specific people

No one

> Control WHICH external users can be shared with

Anyone

Only authenticated users

Only authenticated users except specific domains

Only authenticated users in specific domains

No one

> Control WHAT can be shared externally

Anything

Only specific libraries

Only files without sensitive content

> Control HOW externally shareable links can be used

Default

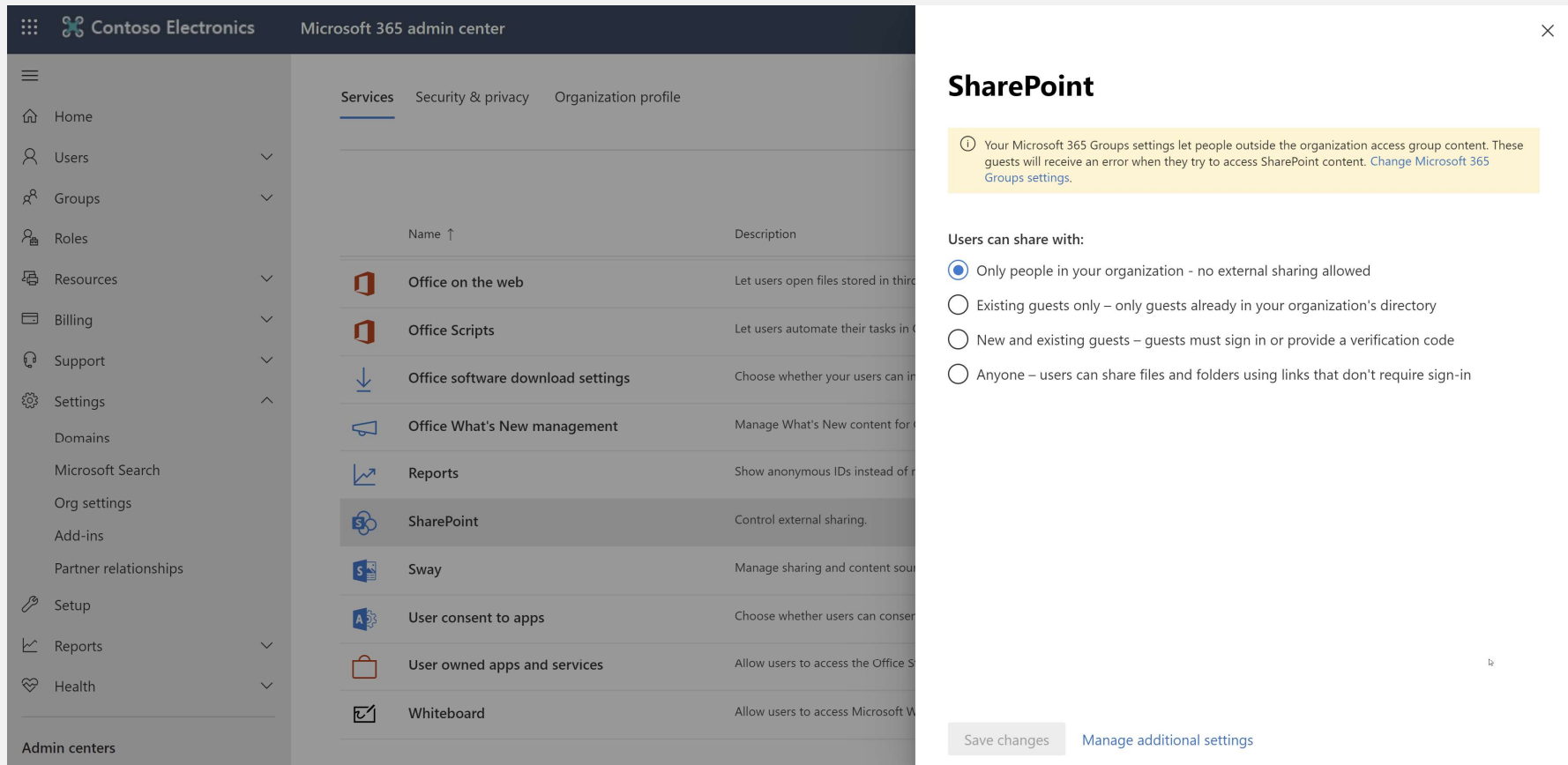
Enabled, but not default

Mandatory expiration date

Block externally-shareable edit links

Disabled

SharePoint: Is "External Sharing" allowed?



Contoso Electronics Microsoft 365 admin center

Services Security & privacy Organization profile

Name ↑	Description
Office on the web	Let users open files stored in third-party cloud storage services.
Office Scripts	Let users automate their tasks in Office applications.
Office software download settings	Choose whether your users can install Office software.
Office What's New management	Manage What's New content for Office applications.
Reports	Show anonymous IDs instead of real user IDs.
SharePoint	Control external sharing.
Sway	Manage sharing and content sources for Sway presentations.
User consent to apps	Choose whether users can consent to third-party apps.
User owned apps and services	Allow users to access the Office 365 Store.
Whiteboard	Allow users to access Microsoft Whiteboard.

SharePoint

① Your Microsoft 365 Groups settings let people outside the organization access group content. These guests will receive an error when they try to access SharePoint content. [Change Microsoft 365 Groups settings.](#)

Users can share with:

- ☒ Only people in your organization - no external sharing allowed
- ☐ Existing guests only – only guests already in your organization's directory
- ☐ New and existing guests – guests must sign in or provide a verification code
- ☐ Anyone – users can share files and folders using links that don't require sign-in

Save changes Manage additional settings

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SharePoint: What are the *global* settings?

The screenshot shows the SharePoint admin center interface for 'Contoso Electronics'. The left sidebar contains navigation links: Home, Sites, Policies (selected), Settings, Content services, Migration, More features, OneDrive admin center, Customize navigation, and Show all. The main content area is titled 'Sharing' and includes a subtitle: 'Use these settings to control sharing at the organization level in SharePoint and OneDrive. Learn more'. Below this is the 'External sharing' section, which features two sliders for 'SharePoint' and 'OneDrive'. The 'SharePoint' slider is set to 'Least permissive' (bottom), and the 'OneDrive' slider is set to 'New and existing guests' (middle). The sharing levels are listed as follows: 'Anyone' (Users can share files and folders using links that don't require sign-in), 'New and existing guests' (Guests must sign in or provide a verification code), 'Existing guests' (Only guests already in your organization's directory), and 'Only people in your organization' (No external sharing allowed). Below the sliders, a link states: 'You can further restrict sharing for each individual site and OneDrive. Learn how'. A dropdown menu labeled 'More external sharing settings' is expanded, showing four checkboxes: 'Limit external sharing by domain' (unchecked), 'Allow only users in specific security groups to share externally' (checked), 'Guests must sign in using the same account to which sharing invitations are sent' (unchecked), and 'Allow guests to share items they don't own' (checked).

Sharing

Use these settings to control sharing at the organization level in SharePoint and OneDrive. [Learn more](#)

External sharing

Content can be shared with:

SharePoint OneDrive

Most permissive

Least permissive

Anyone
Users can share files and folders using links that don't require sign-in.

New and existing guests
Guests must sign in or provide a verification code.

Existing guests
Only guests already in your organization's directory.

Only people in your organization
No external sharing allowed.

You can further restrict sharing for each individual site and OneDrive. [Learn how](#)

More external sharing settings

- ☐ Limit external sharing by domain
- ☒ Allow only users in specific security groups to share externally
- ☐ Guests must sign in using the same account to which sharing invitations are sent
- ☒ Allow guests to share items they don't own

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SharePoint: Should *this* site be more restrictive?

The screenshot displays the SharePoint admin center interface for 'Contoso Electronics'. The left sidebar contains navigation links: Home, Sites, Active sites (selected), Deleted sites, Policies, Settings, Content services, Migration, More features, OneDrive admin center, Customize navigation, and Show all. The main content area is titled 'Active sites' and includes a table of active sites. The 'Conference Team' site is selected, and its 'Sharing' settings are shown in a right-hand pane.

Active sites

Use this page to manage all your sites. [Learn more](#)

+ Create Permissions Hub Sharing Delete

Site name ↑	URL	Storage used
Brand	.../sites/Brand	0.06
Communication site	https://m365x864957.sharepoint.com	0.02
<input checked="" type="checkbox"/> Conference Team	.../sites/ConferenceTeam	0.00
Contoso Landings	.../sites/ContosoLandings	0.14
Contoso Web 1	.../sites/ContosoWeb1	0.33
Contoso Web 2	.../sites/ContosoWeb2	0.01
Contoso Web 3	.../sites/ContosoWeb3	0.14
Core Services	.../sites/CoreServices	0.00
Deployment team	.../sites/DeploymentTeam	0.00
DTC Workshop Planning	.../sites/DTCWorkshopPlanning	0.00
Executive Corner	.../sites/Exec	0.02

Sharing

External sharing

Site content can be shared with:

- ☐ Anyone
Users can share files and folders using links that don't require sign-in.
- ☐ New and existing guests
Guests must sign in or provide a verification code.
- ☒ Existing guests only
Only guests already in your organization's directory.
- ☐ Only people in your organization
No external sharing allowed.

Advanced settings for external sharing

- ☐ Limit sharing by domain

Default sharing link type

- ☒ Same as organization-level setting (Only people in your organization)

Save Cancel Reset to organization-level settings

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External user reporting for SPO and ODFB is at the *site collection* level

The screenshot displays a SharePoint site for 'Contoso Electronics' with the title 'DTC Workshop Planning'. The site is a private group. The main content area shows a list of documents and folders, including 'Presentation Prep', 'DTC Workshop Planning Notebook', and 'General'. A 'Run report' button is visible in the 'Shared with external users' section. A dialog box titled 'Documents' is open, prompting the user to 'Choose a destination to save this report'. The dialog shows a list of folders: 'General' and 'Presentation Prep'. The 'Presentation Prep' folder is selected. The dialog also includes 'Save' and 'Cancel' buttons.

Contoso Electronics SharePoint

DTC Workshop Planning Private group

Home New Page details

Search

Following 3 members

with news on your

able to quickly author report, or even just h...

Quick links

- Learn about a team site
- Learn how to add a page

Documents

- New
- All Documents
- Name
- General
- Presentation Prep

Settings

SharePoint

- Add a page
- Add an app
- Site contents
- Site information
- Site permissions
- Site usage
- Change the look
- Site designs

Office 365

View all

Most unique viewers

Last 7 days

Most viewed

Last 7 days

This folder is empty

Shared with external users

Run report

This folder is empty

Most unique viewers

This folder is empty

Shared with external users

Run report

Name	Modified	Modified By	Size	Location
siteicon.png	6 days ago	System Account		/SiteAssets
Presentation Prep	2/26/2020	MOD Administrator	0 bytes	/Shared Documents
DTC Workshop Planning Notebook	2/26/2020	MOD Administrator	0 bytes	/SiteAssets
General	2/26/2020	MOD Administrator	0 bytes	/Shared Documents

Shared with external users

Run report

Documents

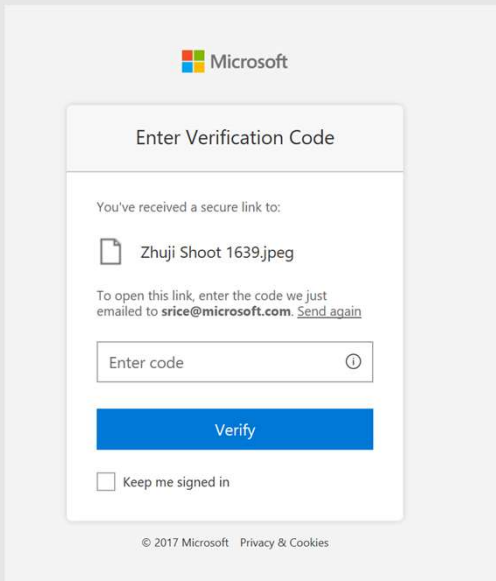
Choose a destination to save this report

- Name
- General
- Presentation Prep

Save Cancel

@JohnConr


NEW! Azure AD B2B for one-time passcode users



Microsoft

Enter Verification Code

You've received a secure link to:

 Zhuji Shoot 1639.jpeg

To open this link, enter the code we just emailed to srice@microsoft.com. [Send again](#)

Enter code

☐ Keep me signed in

© 2017 Microsoft Privacy & Cookies

Share securely with anyone in the world

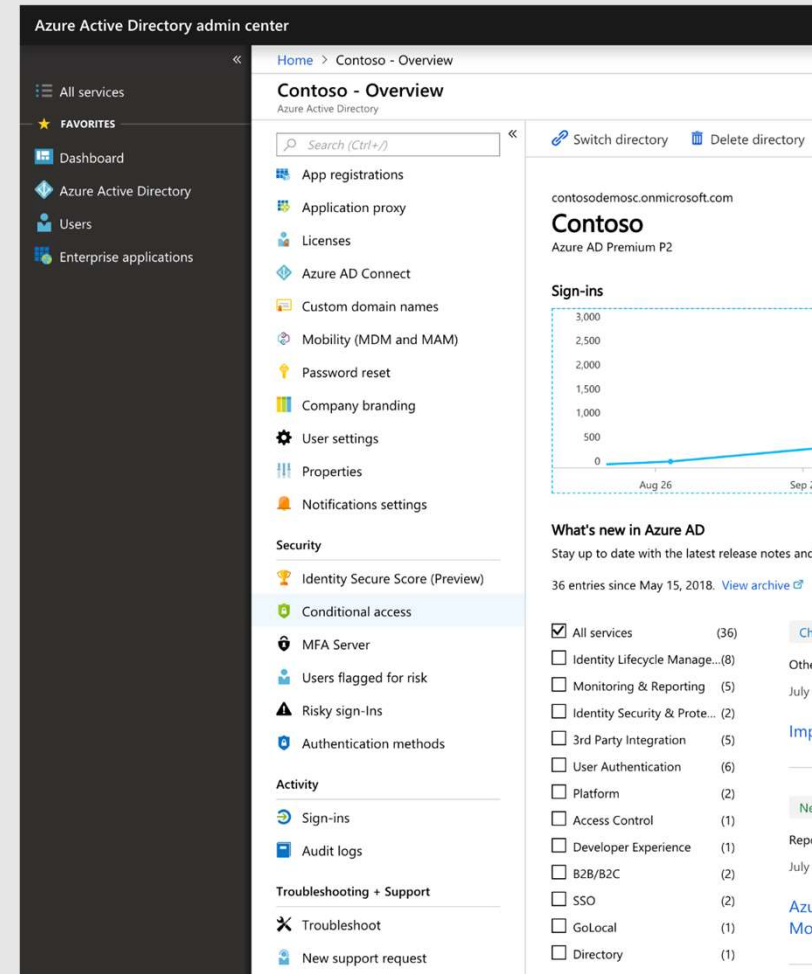
Simple verification with one-time passcode

AAD B2B guest management

Conditional access

Google auth federation

Guest do not require O365 licenses



Azure Active Directory admin center

Home > Contoso - Overview

Contoso - Overview
Azure Active Directory

Search (Ctrl+F)

Switch directory Delete directory

contosodemosc.onmicrosoft.com
Contoso
Azure AD Premium P2

Sign-ins

3,000
2,500
2,000
1,500
1,000
500
0

Aug 26 Sep 2

What's new in Azure AD
Stay up to date with the latest release notes and...
36 entries since May 15, 2018. [View archive](#)

☒ All services (36)
☐ Identity Lifecycle Manage... (8)
☐ Monitoring & Reporting (5)
☐ Identity Security & Prote... (2)
☐ 3rd Party Integration (5)
☐ User Authentication (6)
☐ Platform (2)
☐ Access Control (1)
☐ Developer Experience (1)
☐ B2B/B2C (2)
☐ SSO (2)
☐ GoLocal (1)
☐ Directory (1)

FAVORITES

- Dashboard
- Azure Active Directory
- Users
- Enterprise applications

App registrations

Application proxy

Licenses

Azure AD Connect

Custom domain names

Mobility (MDM and MAM)

Password reset

Company branding

User settings

Properties

Notifications settings

Security

- Identity Secure Score (Preview)
- Conditional access
- MFA Server
- Users flagged for risk
- Risky sign-ins
- Authentication methods

Activity

- Sign-ins
- Audit logs

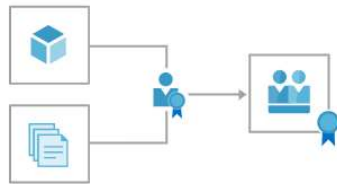
Troubleshooting + Support

- Troubleshoot
- New support request

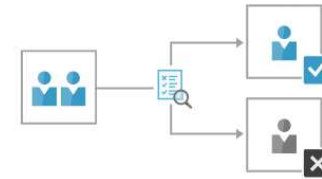
Demo:

Configuring and exploring SPO/ODFB external sharing

Understanding Entitlement management & Access reviews



Entitlement management



Access reviews

- Manage access to “packages” of Groups/Teams, Applications and Sites
 - Request to access package can be subject to approval
 - Access to the package syncs membership to the resources in the package
 - Access review and revocation happens at the package level, and *named* reviewers
 - Workflow for intake of requests for guests not already in directory
 - Can remove guest from directly when access to last package is revoked
- Manage access to each group or application (*not standalone SharePoint Sites*)
 - Access review to the Group/application itself
 - Reviewers can be Group Owners or named users
 - No workflow for intake of requests for guests not already in directory (*standard B2B invitation process*)
 - No workflow to remove guest from directory when removing from group/application



Are You Ready?

So...

Key take-aways...

- Yes, there are many interfaces, but it makes sense when you understand the layers
- Don't get duped by the duplication of settings in SPO/ODFB... they are redundant because they're a different kind of onion
- There should be plenty of options and flexibility to support most orgs
- Remember, some settings may take a while to apply
- Consider "users already in the directory" for SPO/ODFB to keep things centralized

Key considerations...

Who and where?

Do you need to collaborate externally? If so, what does that collaboration look like?

How do you want to onboard *new* external collaborators?

Controlled, subject to approval? Open to owner invites? Manual or automated?

How will you handle the lifecycle of guests?

Monitoring, reporting, need for access, off-boarding.... How will this happen?

How can you manage all of this *at scale* with *minimal* burden on your IT/Operations teams?



Governing Guest access in *Groups/Teams* and External Sharing for *SPO and ODfB* with AvePoint



AvePoint Cloud Governance Approach

The screenshot shows a web interface for 'Governance' with a 'New Request' button. The selected request is a 'Project Management Questionnaire'. A grey box contains the text: 'Before we get started... We want to help you ensure that all your data is secure and that you have the right tools for the right job. Please answer the following questions to the best of your ability!'. The first question is 'Is this a new or existing project?' with a dropdown menu showing 'New Project'. The second question is 'How would you describe this project's collaboration?' with two radio button options: 'Traditional Workstream' and 'Modern Workstream' (which is selected). The third question is 'Is this project going to involve sharing/storing any of the following types of information?' with a dropdown menu showing 'Please select an option...'. At the bottom right are 'Cancel' and 'Save as Draft' buttons.

Standardized Services

- Clear definition of ownership, business purpose, and guidelines
- Tailored by role and business units
- Approval process for new workspaces
- Terms of service and use (example: protected health information)

Policy Enforcement

- Apply proactive monitoring/enforcement of permissions and configuration policies



EXAMPLE

DEPARTMENT



DEPARTMENT



DEPARTMENT



**EXTERNAL
SHARING**

No external sharing



External sharing allowed in:



External sharing only allowed in:



**EXPIRATION/
RETENTION**

6 Months
after last accessed

12 Months
after last accessed

9 Months
after last accessed

**ALLOW THESE USERS
TO CREATE A TEAM**

All requests through
Central IT

All requests through
Department IT

Only Joe, Sally, and
Harold can create

**RECERTIFY
MEMBERS**

after
3 Months

after
6 Months

after
12 Months



Search To-do List

- Home
- Workspace
- Requests

+ New Request

New Request > Project Management Questionnaire

Before we get started...

We want to help you ensure that all your data is secure and that you are using the right tools for the right job. Please answer the following questions to the best of your knowledge.

Is this a new or existing project?

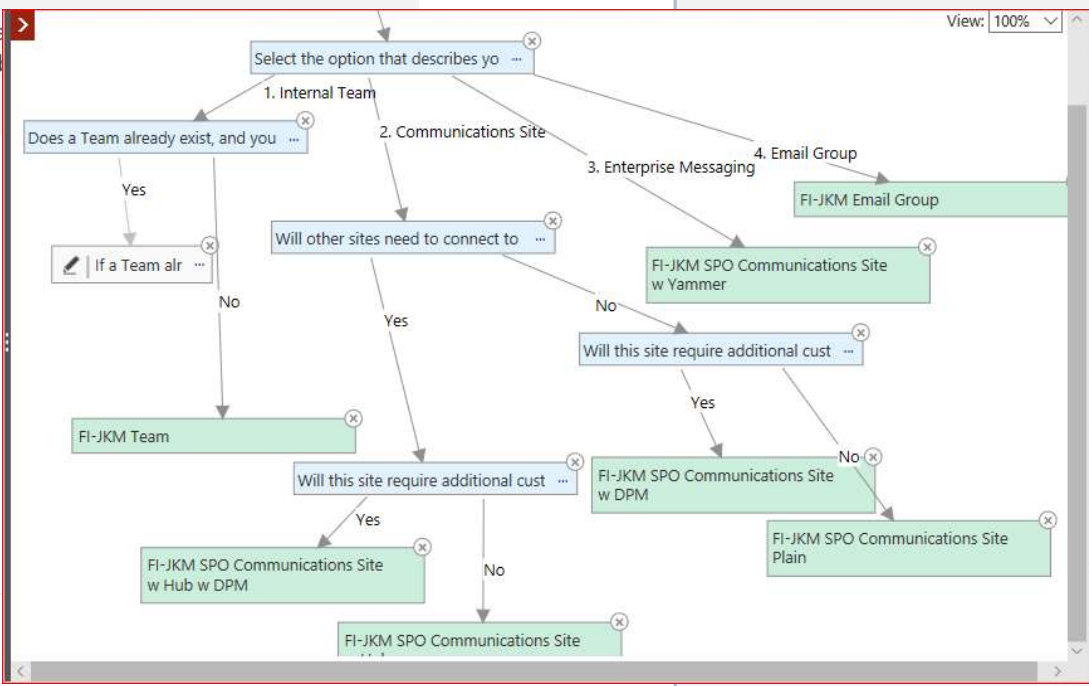
New Project

How would you describe this project's collaboration?

- ☐ Traditional Workstream
- ☒ Modern Workstream

Is this project going to involve sharing/storing any of the following types of information?

Please select an option...



Governing external access through Policy

MENU

AvePoint Cloud Governance

Ian Anderson

Policy Management > Teams Public - External

Save Save and Activate Cancel

External Sharing

To set unique guest access or external sharing settings here, make sure the external sharing for Office 365 Groups and SharePoint is turned on in Microsoft 365 admin center > Settings > Org settings. If you set unique guest access or external sharing settings for the groups/teams associated with this policy, the groups/teams can have more restrictive settings than the current global configurations in Microsoft 365 admin center.

☒ Set unique guest access settings for the group/team

☒ Allow group/team owners to add people outside the organization to the group/team

☐ Allow group/team owners to invite new external users who are not already in Azure Active Directory

☒ Set unique external sharing settings for the site collection associated with the group/team

☒ Allow users to share the group team site content with people outside the organization

☒ Anyone

☐ New and existing external users

☐ Existing external users

Access request settings

☒ Allow members to share the site and individual files and folders

☒ Allow members to invite others to the site members group. This setting must be enabled to let members share the site

☒ Allow access requests

☒ Send access requests to the site owners group

☐ Send access requests to the following e-mail address

someone@example.com



Defining options available for request

Service Management > Create Service ⓘ



✕ Cancel

Team Member Permissions

Choose the actions you allow team members to perform in the team, or allow business users to configure team member permissions in the service request form.

- ☒ Allow members to create and update channels
- ☒ Allow members to delete and restore channels
- ☒ Allow members to add and remove apps
- ☒ Allow members to create, update, and remove tabs
- ☒ Allow members to create, update, and remove connectors
- ☒ Allow members to delete their messages
- ☒ Allow members to edit their messages
- Assign by Business User ▼
- ☒ Require Business User Input

Guest Permissions

Choose whether to allow guests to create, edit, and delete channels, or allow business users to configure guest permissions in the service request form.

- ☐ Allow guests to create and update channels
- ☐ Allow guests to delete channels
- Assign by Business User ▼
- ☒ Require Business User Input

@Mentions

Choose whether to allow team members to use @team and @channel mentions, or allow business users to configure this in the service request form.

- ☒ Show members the option to @team or @[team name] (this will send a notification to everyone on the team)
- ☒ Show members the option to @channel or @[channel name] (this will send a notification to everyone who has favorited the channel being mentioned)
- Assign by Business User ▼
- ☒ Require Business User Input



Conditional approval...

MENU ▾ AvePoint Cloud Governance Ian Anderson ▾

Add Conditional Approval Process

Save Cancel

Name

Enter a name for the conditional approval process.

Condition Settings

Configure the condition settings that will be combined with an approval process to create a conditional approval process.

***Name:**

***Condition Settings:**

☐ Always run this approval process

☒ Run this approval process if the conditions below are met

***Metadata source:**

Group Property

***Property name:**

Newly Added Group/Team Members

***Condition:**

Select One

- Select One
- Does Not Contain Guests
- Contains Existing Guests
- Contains New Guests



Targeting Services & Policies Across Divisions

Tenant Wide General Services

- Available to all/most users
- Address general productivity, security, compliance needs

Core Services
(provisioning, lifecycle, policy, protection)

Address Unique Needs of Specific Departments or Divisions

- LOB specific configurations
- More/less control and restrictions
- Example – External sharing allowed

Division



Division



Division



Specialized Services Smaller Groups

- Unique needs can be addressed
- Pilots of future services

Team C-1
specialized Services



Leveraging "Service Permissions" to map services to the right users...

Service Management > Create Communicatio... ⓘ

Copy Save Save and Activate Cancel

Service Initiation

Choose how users will be able to initiate requests for this service.

Service Permissions

Specify users that should have access to this service.

- **Local Users or Office 365 Users/Groups** - The specified users/groups can view this service in the Start a Request page and can submit requests via this service. You can specify Office 365 users/groups or AvePoint Online Services local users.

☒ Available in service catalog (the Start a Request page)
☒ Available as a questionnaire result

- ☒ Users must meet the service permissions below
- ☐ Allow all users to use this service from questionnaire results (Regardless of the service permission conditions)

☐ Allow all users to use this service
☒ Define conditions for users who can request this service
Conditions:

Local Users or Office 365 Users/Groups ▼

*Allowed values:


Add to List Clear Settings

Type	Allowed Values	Actions
No items to show in this view.		

Clear Table



External sharing review by workspace owners during Renewal process...

 **MyHub**

[Chat](#) [Home](#) [Start a request](#) [Workspaces](#) [Requests](#) [About](#)

To-do list

Approvals

Delete Office 365 Group/Microsoft Team Ext...

Group/Team Lifecycle Management

AT Auto-generated task

Confirmations

PM Extranet

Renew Site Collec

Renewal Pending

Q2 Outing

Renew Office 365 Group

Renewal Pending

Group renewal: Q2 Outing

Renewal steps

✓ Contact renewal

Confirm that the primary and secondary contacts are still correct. If necessary, you can assign the roles to other users.

✓ Permission renewal

Confirm that the group team site permissions for users and groups are still correct. If necessary, you can update the permissions.

⊞ Membership renewal

Confirm that the owners and members are still correct. If necessary, you can update the membership.


⊞ Metadata renewal

Confirm that the metadata is still correct. If necessary, you can update the metadata values.

[Add owner](#) [Add member](#) [Reset](#)

Username ↑	User role	Change action	Access type
Barriemore Barlow	Owner		Internal
Ian Anderson	Member		Internal
Ray Hill	Member		Internal
Ray Hill	Owner		Internal
Tom Gawczynski	Member		External
murugan.balaji	Member		External

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What about a managed process for
provisioning, management and lifecycle of
guests?



Designing the “Guest User Request” service

The screenshot displays the AvePoint Cloud Governance interface. On the left is a navigation pane with links to Home, Management, Services, Settings, and Directory. The main area is titled 'Services > Invite New Guest User > Edit' and contains three tabs: '1. Basic info', '2. Settings' (which is active), and '3. Advanced settings'. The 'Settings' tab includes fields for 'Microsoft 365 tenant' (set to 'AvePoint ATS Dev'), 'Primary contact' (set to '\$Requester'), and 'Secondary contact' (set to '\$Manager of Requester'). There are also checkboxes for 'Allow requesters to add guest users to groups or teams' and 'The requester is the owner of the group or team'. A 'Renewal profile' dropdown is set to 'Guest User Renewal'. On the right, a modal dialog titled 'Create guest user renewal profile' is open. It contains fields for 'Profile name' (set to 'Renew guests every 30d'), 'Description', 'Microsoft 365 tenant' (set to 'AvePoint ATS Dev'), and 'Category' (set to 'Lifecycle Management'). The 'Renewal process' section has radio buttons for 'Daily' (selected), 'Weekly', and 'Monthly', with a text input for 'Every 30 days'. There are also checkboxes for 'Specify the time to generate the first renewal task' and 'Renewal task will be overdue if the task assignee doesn't complete it within 7 Days'. The 'What user will be responsible for completing the renewal task?' field is set to '\$Primary guest contact'. The 'Notification e-mail template for assigned renewal tasks' is set to 'Built-in Guest User Renewal Process Assignment E-mail Template'. At the bottom right of the dialog is a checkbox for 'Allow renewal task assignees to reassign tasks to other users'.

Services > Invite New Guest User > Edit

1. Basic info | 2. Settings | 3. Advanced settings

Microsoft 365 tenant *

AvePoint ATS Dev

Primary contact * ⓘ

\$Requester

Show this field as read-only to business users

Secondary contact ⓘ

\$Manager of Requester

Require business users to configure this field

Allow requesters to add guest users to groups or teams ⓘ

☒ The requester is the owner of the group or team

☒ The requester is the primary/secondary contact of the group or team

Renewal profile

Guest User Renewal

[View profile details](#)

Cancel Back Next

Create guest user renewal profile

Profile name *

Renew guests every 30d

Description

Microsoft 365 tenant *

AvePoint ATS Dev

Category *

Lifecycle Management

Renewal process

How often do you want renewal process to initiate? *

☒ Daily

Every 30 days

☐ Weekly

☐ Monthly

☐ Specify the time to generate the first renewal task

Renewal task will be overdue if the task assignee doesn't complete it within

7 Days * ⓘ

What user will be responsible for completing the renewal task? * ⓘ

\$Primary guest contact

Notification e-mail template for assigned renewal tasks *

Built-in Guest User Renewal Process Assignment E-mail Template

☐ Allow renewal task assignees to reassign tasks to other users



Admin monitoring of Guests

The screenshot displays the AvePoint Cloud Governance interface. On the left is a navigation sidebar with options: Home, Management (Services, Guest renewal profil...), Settings (MyHub settings, System settings), and Directory (Workspace report, Guest user report). The main area shows the 'Guest user report' with a table of users. The user 'Tom.Gawczynski' is selected, and a 'View details' pane is open on the right.

Existing guests can be imported for management as well!

Guest user report

Username	E-mail address	Primary contact
Gawczynski.Tom	tomg.avepoint@gmail.com	Ray Hill
Tom.Gawczynski	tomgawczynski@gmail.com	Ray Hill

View details: Tom.Gawczynski

Username: Tom.Gawczynski
First name: Tom
Last name: Gawczynski
E-mail address: tomgawczynski@gmail.com
Primary contact: Ray Hill
Secondary contact: Ian Anderson
Job title: Security Architect
Department: Collaboration
Renewal profile: Guest User Renewal
Invited by: Ray Hill
Status: Renewal pending

Workspace access

Name	ID	Type
Q2 Outing	Q2Outing@avepointats-dev.com	Microsoft Team
Regional Hospital	RegionalHospital@avepointats-dev.com	Microsoft Team
Project_US	Project_US975@avepointats-dev.com	Microsoft Team



Demo:

End user self-service guest
request and renewal

Managing External Sharing for *SPO* and *ODFB*



Ongoing compliance for external access in SPO and ODFB with Policy Enforcer

Controlling External Sharing

Policy enforcer received a few crucial updates this month for customers who are looking to add control to external sharing in Office 365 SharePoint Sites and OneDrives. Example of your customers:

- How do I find and report on sites that have external sharing enabled?
- How can I restrict external sharing to *only* specific groups (such as OneDrives)?
- How can I reach back to existing sites to disable external sharing?

Control Where and How External Sharing is Permitted

When customers apply policies for external sharing, Microsoft gives you external sharing. You can set external sharing as a global setting for all SharePoint Sites and OneDrives in Office 365, which gives every site collection the option to enable external sharing. If you have tight controls over how site collections are provisioned and have external sharing as an option that requires prior approval (such as an approval workflow in Governance Automation), this may not be an issue.

For all other customers, Policy Enforcer is that vigilant control over where and how external sharing is permitted. Policy Enforcer adds controls for:

- Where external sharing is permitted based on site collection filters (such as properties, managed path, titles, etc.)
- Types of external sharing options if it has been allowed (such as allowing anonymous access vs. authenticated users)
- What types of documents that can have guest links enabled
- What sites and documents can be shared through white-lists and black-lists, creating ethical walls internally (such as Engineering not being able to see "highly sensitive")
- How sites can be shared outside the organization with white-lists and black-lists of domains (such as preventing external sharing with competitors)

In addition, now that you have governance standards defined in policy enforcer, you can generate reports on areas where external sharing has been enabled out of compliance via the health dashboard.

Controlling External Sharing

Policy enforcer received a few crucial updates this month for customers who are looking to add control to external sharing in Office 365 SharePoint Sites and OneDrives. Example of your customers:

- How do I find and report on sites that have external sharing enabled?
- How can I restrict external sharing to *only* specific groups (such as OneDrives)?
- How can I reach back to existing sites to disable external sharing?

Control Where and How External Sharing is Permitted

When customers apply policies for external sharing, Microsoft gives you external sharing. You can set external sharing as a global setting for all SharePoint Sites and OneDrives in Office 365, which gives every site collection the option to enable external sharing or not. All sites and objects below a site collection that has external sharing enabled will allow external sharing as well. If you have tight controls over how site collections are provisioned and have external sharing as an option that requires prior approval (such as an approval workflow in Governance Automation), this may not be an issue.

For all other customers, Policy Enforcer is that vigilant control over where and how external sharing is permitted. Policy Enforcer adds controls for:

- Where external sharing is permitted based on site collection filters (such as properties, managed path, titles, etc.)
- Types of external sharing options if it has been allowed (such as allowing anonymous access vs. authenticated users)
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In addition, now that you have governance standards defined in policy enforcer, you can generate reports on areas where external sharing has been enabled out of compliance via the health dashboard.

<input type="checkbox"/>	Copy	Restrict or allow individual users or groups to copy SharePoint objec...	Copy
<input type="checkbox"/>	Custom Script Settings	Control custom script settings on SharePoint sites (except for OneDr...	Scan Site Collection Le...
<input type="checkbox"/>	Delete	Restrict or allow individual users or groups to delete items, files, list...	Delete
<input checked="" type="checkbox"/>	External Sharing Settings	Control the sharing settings of SharePoint sites.	Scan Site Collection Le...
<input type="checkbox"/>	Grant, Revoke and/or Modify Pe...	Restrict or allow individual users or groups to modify User and Grou...	Add Group Member;De...
<input type="checkbox"/>	Information Rights Management...	Control IRM settings for lists/libraries with a SharePoint 2013 experi...	Scan List Level Condition

Custom Action

If selected, any out of policy settings, objects and/or permissions will be reverted, restored or deleted based on the settings defined in this Policy Enforcer rule.

- ☒ Remove external users from the site collections where external sharing is disabled



DocAve

Management

Configuration

Security

Policy Enforcer

Plan Manager

Add Rule

Remove Rule

Configure Rule

Activate

Deactivate

Inherit

Stop Inheriting

Remove Profile

Apply

Cancel

Commit

Rule Management

Manage

No profile is defined for the selected nodes. Choose a desired option to create a new profile.

Profile Name

Specify a name for the profile you are about to create. You can choose to reuse an existing profile and retain the rules and settings, copy from an existing profile and then customize it, or configure new rules and settings for the selected nodes.

- ☐ Reuse an existing profile
- ☐ Configure new rules and settings based on an existing profile
- ☒ Create my own rules and settings

* Name:

Off by Default Policy

Description:

These are default settings for Office 365 collaboration workspaces.

<input type="checkbox"/>	Rule Name	Status	Custom Action Settings	Notification Recipient	Parameter Status		
<input type="checkbox"/>	External Sharing Settings	✓	On		Default values	✗	
<input type="checkbox"/>	Information Rights Management (IRM) SharePoint...	✓	On		Default values	✗	
<input type="checkbox"/>	Site Collection Audit Settings	✓	On		Default values	✗	
<input type="checkbox"/>	User/Group Restriction	✓	On		Configured values	✗	
0 of 4 selected							
						Show rows	15 ▾ Go to 1 of 1 < >



Administrator > Policy Enforcer > Generate Report

User: admin@M365x483549.onmicrosoft.com

DocAve

Management

Configuration

Security

Policy Enforcer

Plan Manager

Fix

Manual Operation Required

Hide

Hidden List

Export

Close

Commit

Generate Report

Within policy

Out of Policy

Fixed automatically

Can be fixed

Requires manual operation

Error

input keywords to match url

Scope	URL	Status	Action	Profile
https://m365x483549.sharepoint.com	https://m365x483549.sharepoint.com	✗		Off by Default Policy
https://m365x483549.sharepoint.com/portals/hub	https://m365x483549.sharepoint.com/portals/hub	✗		Off by Default Policy
https://m365x483549.sharepoint.com/search	https://m365x483549.sharepoint.com/search	✓		Off by Default Policy
https://m365x483549.sharepoint.com/sites/AdvancedDiscovery	https://m365x483549.sharepoint.com/sites/AdvancedDiscovery	✓		Off by Default Policy
https://m365x483549.sharepoint.com/sites/Analytics	https://m365x483549.sharepoint.com/sites/Analytics	✓		Off by Default Policy
https://m365x483549.sharepoint.com/sites/ContosoInsider	https://m365x483549.sharepoint.com/sites/ContosoInsider	✗		Off by Default Policy
https://m365x483549.sharepoint.com/sites/ContosoMarketingCen...	https://m365x483549.sharepoint.com/sites/ContosoMarketingCentral	✗		Off by Default Policy
https://m365x483549.sharepoint.com/sites/ProductMarketing	https://m365x483549.sharepoint.com/sites/ProductMarketing	✗		Off by Default Policy
https://m365x483549-my.sharepoint.com	https://m365x483549-my.sharepoint.com	✓		Off by Default Policy

< 1 of 1 >

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DocAve

Management


Security

Plan Manager

Policy Enforcer

 Fix

 Manual Operation Required

 Hide

 Hidden List

 Export

 Close

Manage

Commit

Action

 **Generate Report**

 Within policy


 Out of Policy






























 Fixed automatically

 Can be fixed

 Requires manual operation

 Error

input keywords to match url 

Scope 	URL	Status	Action	Profile
 https://m365x483549.sharepoint.com	https://m365x483549.sharepoint.com			Off by Default Policy
 https://m365x483549.sharepoint.com/portals/hub	https://m365x483549.sharepoint.com/portals/hub			Off by Default Policy
 https://m365x483549.sharepoint.com/search	https://m365x483549.sharepoint.com/search			Off by Default Policy
 https://m365x483549.sharepoint.com/sites/AdvancedeDiscovery	https://m365x483549.sharepoint.com/sites/AdvancedeDiscovery			Off by Default Policy
 https://m365x483549.sharepoint.com/sites/Analytics	https://m365x483549.sharepoint.com/sites/Analytics			Off by Default Policy
 https://m365x483549.sharepoint.com/sites/ContosoInsider	https://m365x483549.sharepoint.com/sites/ContosoInsider			Off by Default Policy
 https://m365x483549.sharepoint.com/sites/ContosoMarketingCen...	https://m365x483549.sharepoint.com/sites/ContosoMarketingCentral			Off by Default Policy
 https://m365x483549.sharepoint.com/sites/ProductMarketing	https://m365x483549.sharepoint.com/sites/ProductMarketing			Off by Default Policy
 https://m365x483549-my.sharepoint.com	https://m365x483549-my.sharepoint.com			Off by Default Policy
 User/Group Restriction 				
 /	https://m365x483549-my.sharepoint.com			
 Information Rights Management (IRM) SharePoint 2013 				
 External Sharing Settings 				
 /	https://m365x483549-my.sharepoint.com			

< 1 of 1 >

Report on external users across SPO and ODFB with Security Search

Administrator > Security > Security Search Form Mode User: admin@odemo.me

DocAve Management Security Plan Manager Policy Enforcer

Security Search Deactivated Account Cleaner Job Monitor

Contribute Account Statistics

Scope

Input Keyword

My Registered Sites

- ☒ Default Office 365 Group Team Site Container
- ☐ Default OneDrive for Business Container
- ☐ Default Site Collection Container
- ☐ Group Team Sites
- ☐ Modern Sites
- ☐ Personal Sites

Security Search Form Mode

Change settings for: Logical Group(Default Office 365 Group Sites Group)

Create a new plan.

Plan Name
Choose a name and description for the plan you are about to create.

* Plan Name:
Security Search 09:55:45 2019-09-24

Description:

User Type
Choose what user types to search.

User and Group
Choose users and/or groups to search for.
Separate each username or group name with a semicolon.
Choose whether or not to include Active Directory group-membership details in the report or group names only.

Select All
☒ Select All
☒ External User
☒ Users with Guest Links
☒ SharePoint User and Group

SharePoint Groups:

☐ Include members of Active Directory groups in the search results

Permission Settings
Limit search users or contents using permissions assigned to them.
Has Permissions -- base upon the permission which you select to limit the search result.
There are two options based on Has Permissions field:
Exact permission -- exactly meet the permission you have selected.

Has Permissions:
Search for any Permission
☒ Exact permission
☐ Exact permission or better



Report on external sharing settings across SPO and ODFB with Report Center

The screenshot displays the AvePoint Report Center interface, specifically the 'Configuration Reports' section. The breadcrumb trail at the top reads 'Report Center > Administration Reports > Configuration Reports'. The user is logged in as 'User: admin@od'.

The interface is divided into several sections:

- Left Navigation Panel:** Contains 'My Registered Sites' with a list of site containers and types, each with a checkbox. The list includes: 'Default Office 365 Group Team Site Container', 'Default OneDrive for Business Container', 'Default Site Collection Container', 'Group Team Sites', 'Modern Sites', 'Personal Sites', 'Default OneDrive for Business Container', 'Default Site Collection Container', 'Group Team Sites', 'Modern Sites', and 'Personal Sites'.
- Report Profile:** A dropdown menu set to 'Input/Select'.
- Report Settings:** A section titled 'Please configure report settings.' containing three sub-sections:
 - General Settings:** Includes 'Select All', 'Site Collection', 'Site', and 'List'.
 - General Settings (Expanded):** Includes 'Site Collection Administration', 'Statistics', and 'SharePoint Storage Report'.
 - Size:** Includes 'Size'.
- Administrators Information:** Includes 'Description' and 'Created Time'.
- Owners Information:** Includes 'Quota', 'Primary Site Collection Administrator', 'Site Collection Administrator Contact', 'Sharing Outside Your Company', and 'External Sharing Domain Settings'.

Red arrows point to the 'Sharing Outside Your Company' and 'External Sharing Domain Settings' options in the 'Owners Information' section.

Generated Report: A section at the bottom with two checkboxes: 'Include summary report' and 'Include detailed report'.



Key Policy Enforcer Updates

The moment *Microsoft's activity feed* for Office 365 or Azure AD publishes changes, our tools can take corrective actions!

No "*full scans*" needed anymore, offline cache (after the initial sync) will always stay up to date from Microsoft's own reports!

Reusable filters help fill in where policies apply that can read Cloud Governance metadata, native classifications, etc.

First Release 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

thank you

Gracias

ευχαριστώ

Danke

Grazie

благодаря

Hvala

Obrigado

Kiitos

شكراً

Tak

Ahsante

Teşekkürler

متشكراً

Salamat Po

감사합니다

Cám ơn

شكريه

Terima Kasih

Dank u Wel

Děkuji

நன்றி

Köszönöm

ありがとう
ございます

ขอขอบคุณ

Dziękuję

谢谢

Tack

Mulțumesc

спасибо

Merci

תודה

多謝晒

дядкую

Ďakujem



Sales@AvePoint.com | +1 800.661.6588



www.AvePoint.com



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