Microsoft 365 Unstructured and Structured External Sharing

Tuesday, July 13, 2021

12 - 1 PM Eastern Time

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- www.extranetusermanager.com
- Twitter @carsonpeter
- President Toronto SharePoint User Group

2008
Envision IT built custom Extranet solution

2009

2010

2011
Productization of code base begins

2012
Extranet User Manager (EUM) Installer created

2014

Microsoft 365 support

2015

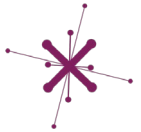
EUM Brand and Website launched

2016

Azure B2B support

2017
Partner Program launched

2018
EUM V4 Launched



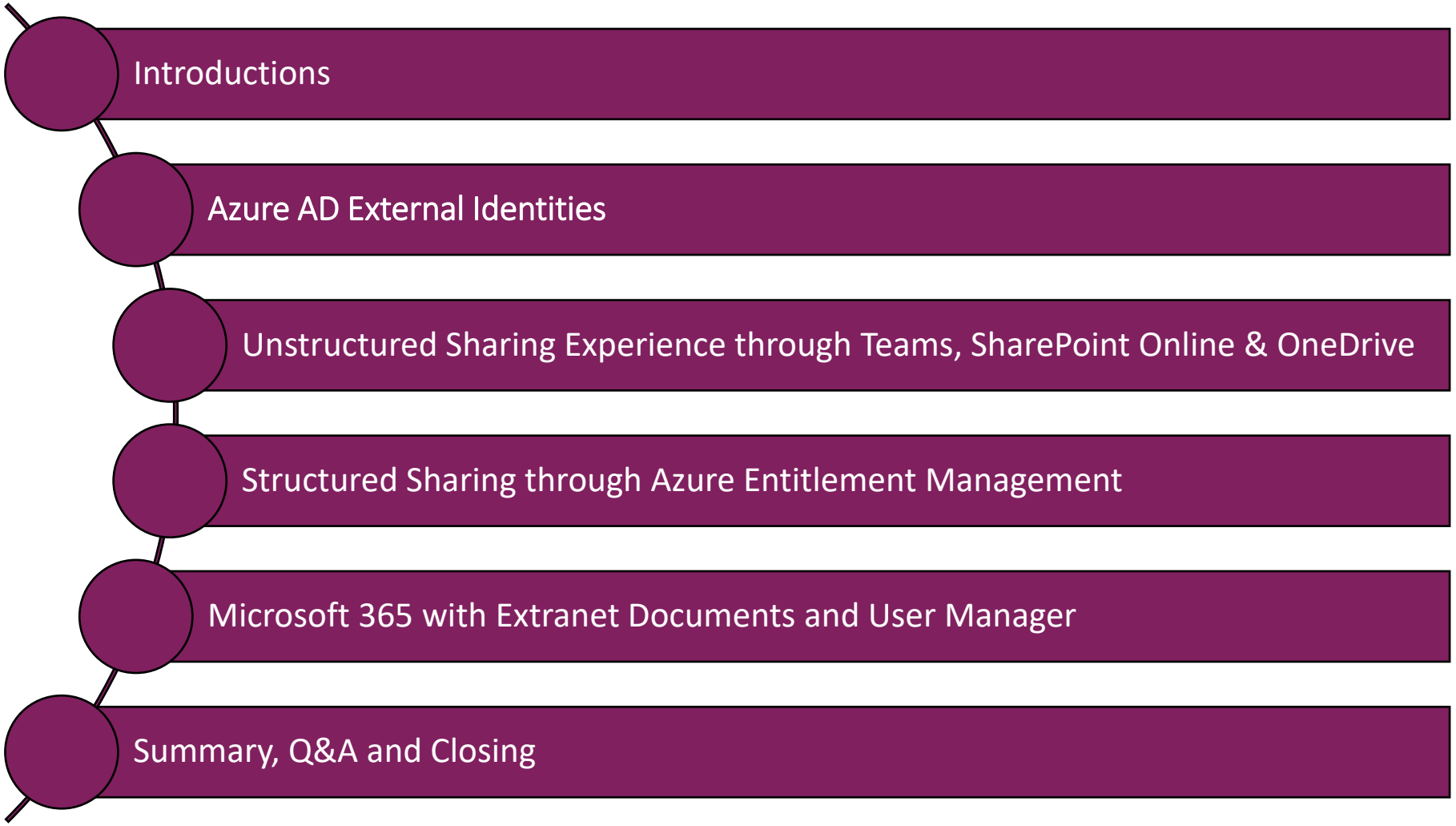
2019
User-Centric EUM Login
Teams, SPFx, and Flow

2021
EUM Products Website Relaunched

Customers around the Globe

100+ Customers Deployed Globally

Agenda


Introductions
Azure AD External Identities
Unstructured Sharing Experience through Teams, SharePoint Online & OneDrive
Structured Sharing through Azure Entitlement Management
Microsoft 365 with Extranet Documents and User Manager
Summary, Q&A and Closing

Microsoft Forms Poll

3. Which of the following do use today or are planning on using?

	Not sure what this is	Interested	Investigating	Actively using
SharePoint Link Sharing	○	○	○	○
OneDrive Request Files	○	○	○	○
Team's External Sharing	○	○	○	○
Azure AD B2B	○	○	○	○
Azure AD B2C	○	○	○	○
Azure Entitlement Management	○	○	○	○
Extranet User Manager	○	○	○	○

https://bit.ly/3wGLD74

Azure AD External Identities Solutions

External user collaboration (B2B)

- Externally sharing in Microsoft 365, Teams or your own applications
- Collaboration with suppliers, partners, vendors
- Users exist as Guest users in your directory

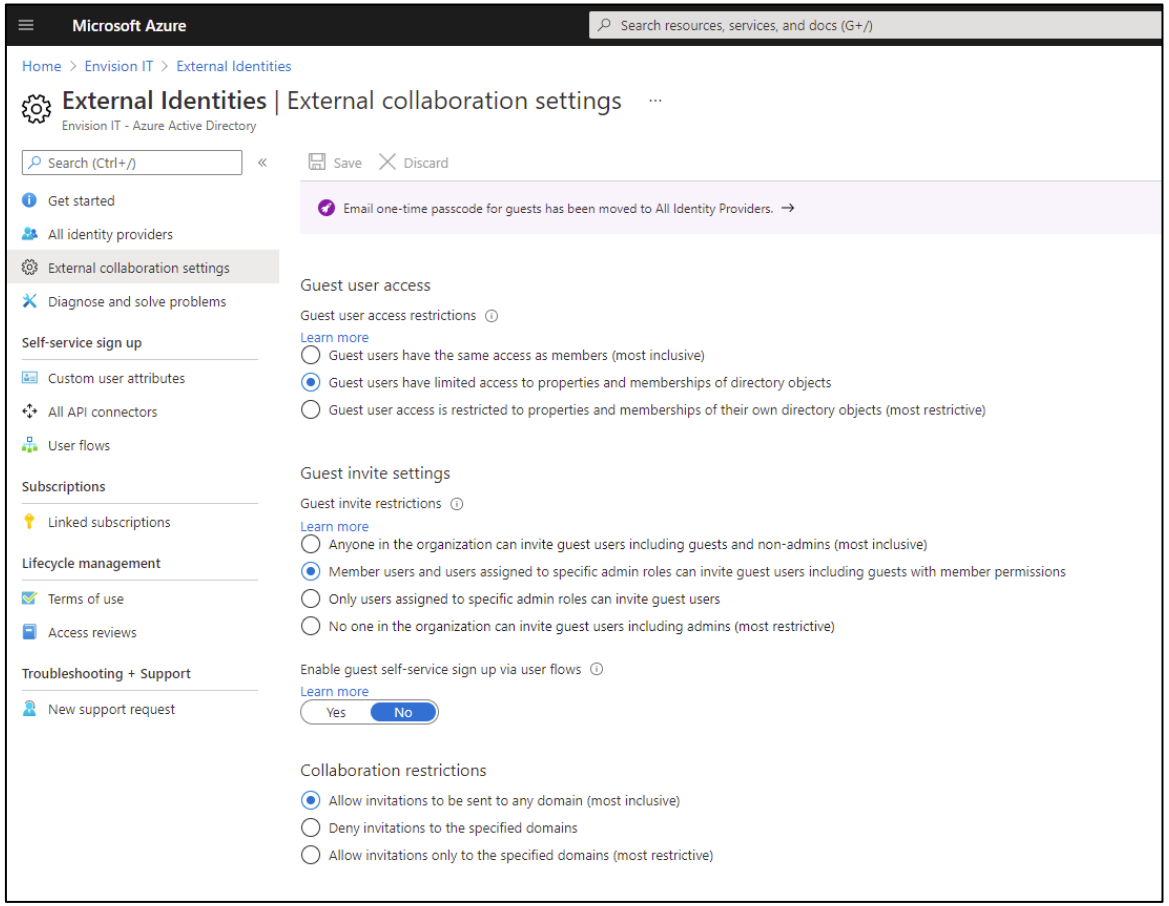
Access to Consumer-facing Apps (B2C)

- IAM for SaaS and custom developed Apps excluding Microsoft first-party apps
- Collaboration with consumers of your product
- Users are managed in a separate Azure AD directory

Learn more in our upcoming webinar: New Azure AD External Identities Features | Extranet User Manager

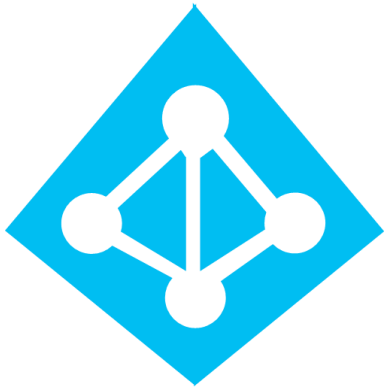
Azure AD External Identities (B2B)

- Allow outside users access to apps and resources
- “Bring their own identities” to sign in
- External user’s identity provider manages their identity
- You manage access to apps within Azure AD protecting your resources



[External Identities documentation | Microsoft Docs]

Azure AD B2B and Microsoft 365



- Azure Active Directory Business to Business
- External users can access Microsoft 365 and any other system exposed through AAD
- Completely free for certain Microsoft 365 workloads for external users
  - SharePoint
  - Teams
  - Planner
  - Office Online
- MAU billing model only applies to Azure AD Premium features
- First 50,000 MAU are free for Premium features
- Invite as many external users as you'd like

Single Sign-On with Azure AD B2B

- Not just for signing into Microsoft properties
- Azure AD is a full Open ID Connect identity provider
- Any client (application) that can federate with Open ID Connect and use Azure AD for SSO
- Also supports Oauth 2.0 and SAML 2.0
- Once a user is authenticated once to Azure AD, they don’t need to authenticate again for other apps
- User can sign into their corporate SharePoint Online portal and authenticate, and then launch a shared site or link as a guest and not have to re-authenticate

Azure AD B2B Onboarding Experiences

Existing Microsoft 365

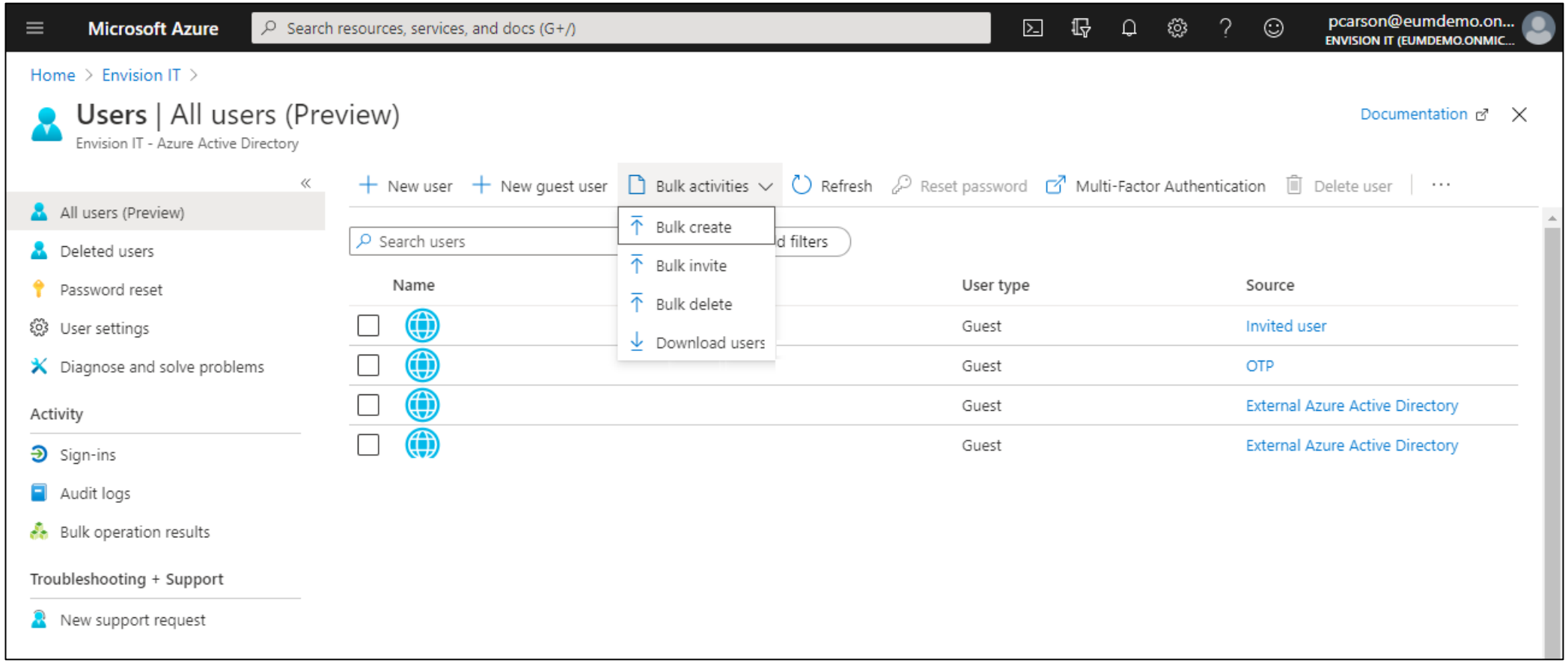
- Logs in with their Azure AD credentials
- Seamless experience
- Single sign-on if already signed into Microsoft 365
- Also works for Microsoft accounts

No Azure AD Account

- One time passcode
- Emailed at sign-in
- Valid for 30 minutes
- Low friction, no new account to setup or password to remember
- Validates at each sign in that they still own the email address

Social User

- Federation with Google and Facebook accounts now also supported
- Same seamless login experience as Microsoft 365
- Need to be an @gmail.com address for Google Federation


Microsoft Azure
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Users | All users (Preview)
Envision IT - Azure Active Directory
Documentation
New user
New guest user
Bulk activities
Refresh
Reset password
Multi-Factor Authentication
Delete user
All users (Preview)
Deleted users
Password reset
User settings
Diagnose and solve problems
Activity
Sign-ins
Audit logs
Bulk operation results
Troubleshooting + Support
New support request
Search users
Bulk create
Bulk invite
Bulk delete
Download users
Name
User type
Source
Guest
Invited user
Guest
OTP
Guest
External Azure Active Directory
Guest
External Azure Active Directory

Updates to Azure AD External Identity Licensing

- External identities now count as unique Monthly Active Users (MAU)
- Billing model affects Azure AD B2B and B2C
- Replaces 1:5 billing ratio
- First 50,000 MAUs are free for both Premium P1 and Premium P2 features
- Azure AD Free will remain free unless you need premium Azure AD features for guests

	PREMIUM P1	PREMIUM P2
First 50,000 MAU	$0/Monthly Active Users	$0/Monthly Active Users
More than 50,000 MAU	$0.00416/Monthly Active Users	$0.020736/Monthly Active Users

*Features in public preview are subject to future pricing changes.

https://docs.microsoft.com/en-us/azure/active-directory/external-identities/external-identities-pricing
https://azure.microsoft.com/en-us/pricing/details/active-directory/external-identities/

Azure AD P1 vs. P2

Azure AD Premium P1

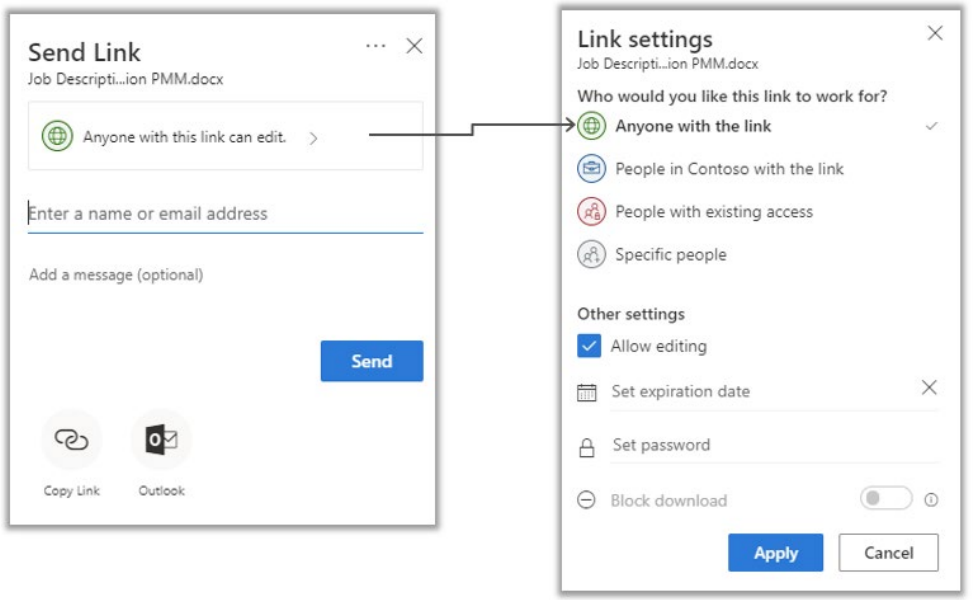
- Multi-factor authentication with Conditional Access
- Hybrid Identities
- Password protection (custom banned passwords)
- Advanced Security and Usage Reports
- Conditional Access based on group, location, and device status
- Azure Information Protection integration
- And Much More

Azure AD Premium P2

- Everything offered in P1
- Identity Protection
- Privileged Identity Management
- Access reviews
- Entitlement Management (Preview)

Unstructured Sharing with Microsoft 365

- **External Sharing in Microsoft 365 strongly supports ad-hoc collaboration**
- **Sharing documents with a few to a few dozen external people**
- **Secure Link sharing to sites, libraries, and documents**
  - Anyone with the link (Anonymous)
  - People in your Organization
  - People with existing access
  - Specific people



Microsoft 365 External Sharing OOTB

1. Who will you be sharing with? Is there a member database to interface with?
2. Self-registration option or invitation only? Who approves new registrations?
3. How will your external users authenticate?
4. What interactions are your external users going to have?
5. What applications will be accessible?

1. Any type of external user
2. Invitation only
3. Microsoft 365 / Azure AD, Microsoft Account, One Time Passcode, Gmail, Facebook
4. Any interactions
5. Microsoft 365 only

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

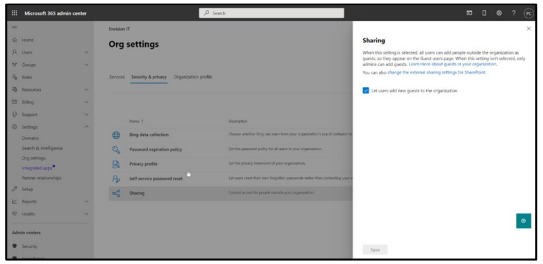
Control WHAT can be shared externally

- Anything
- Only specific sites
- Only files without sensitive content

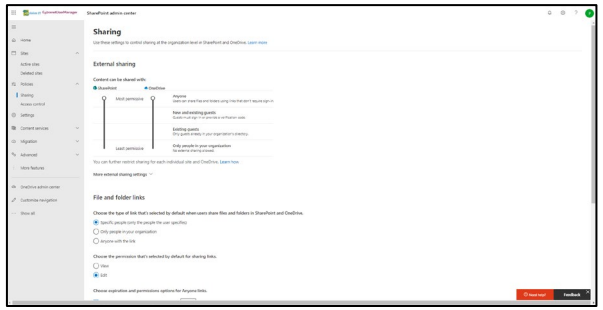
Control HOW externally shareable links can be used

- Default
- Enabled, but not default
- Mandatory expiration date
- Block externally-shareable edit links
- Disabled

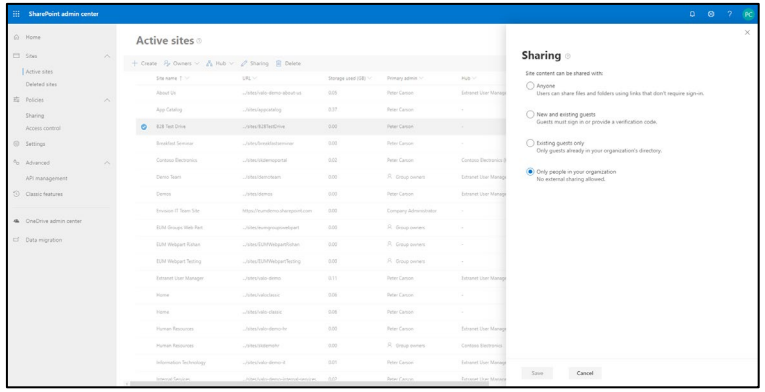
Three Places to Configure External Sharing



Microsoft 365 Admin



SharePoint Admin

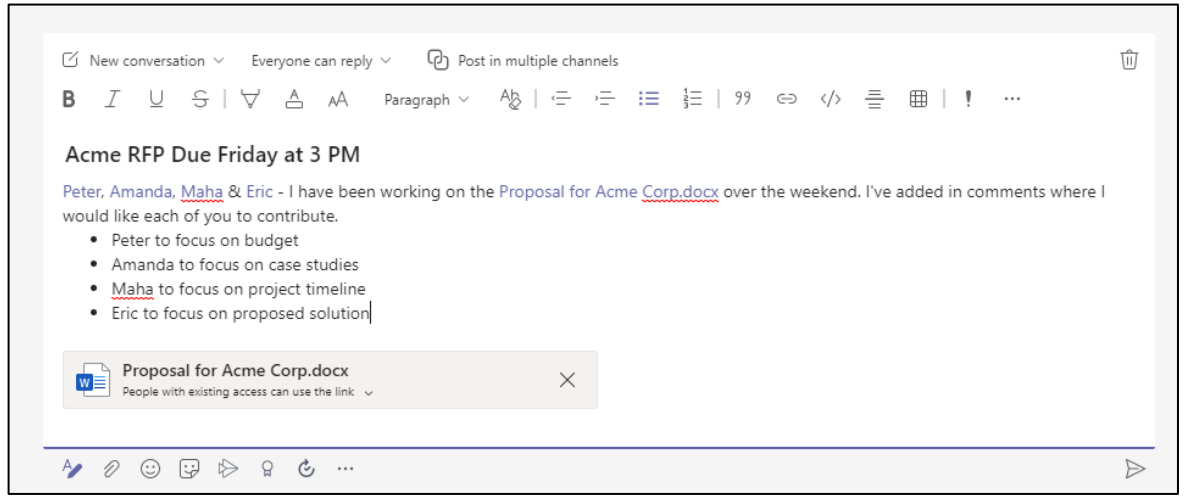


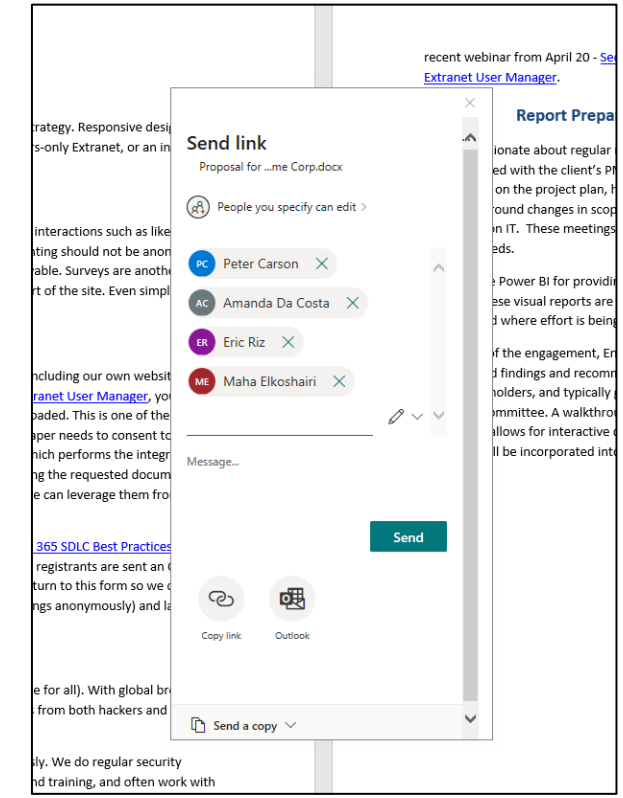
Site Collection Admin

PowerShell

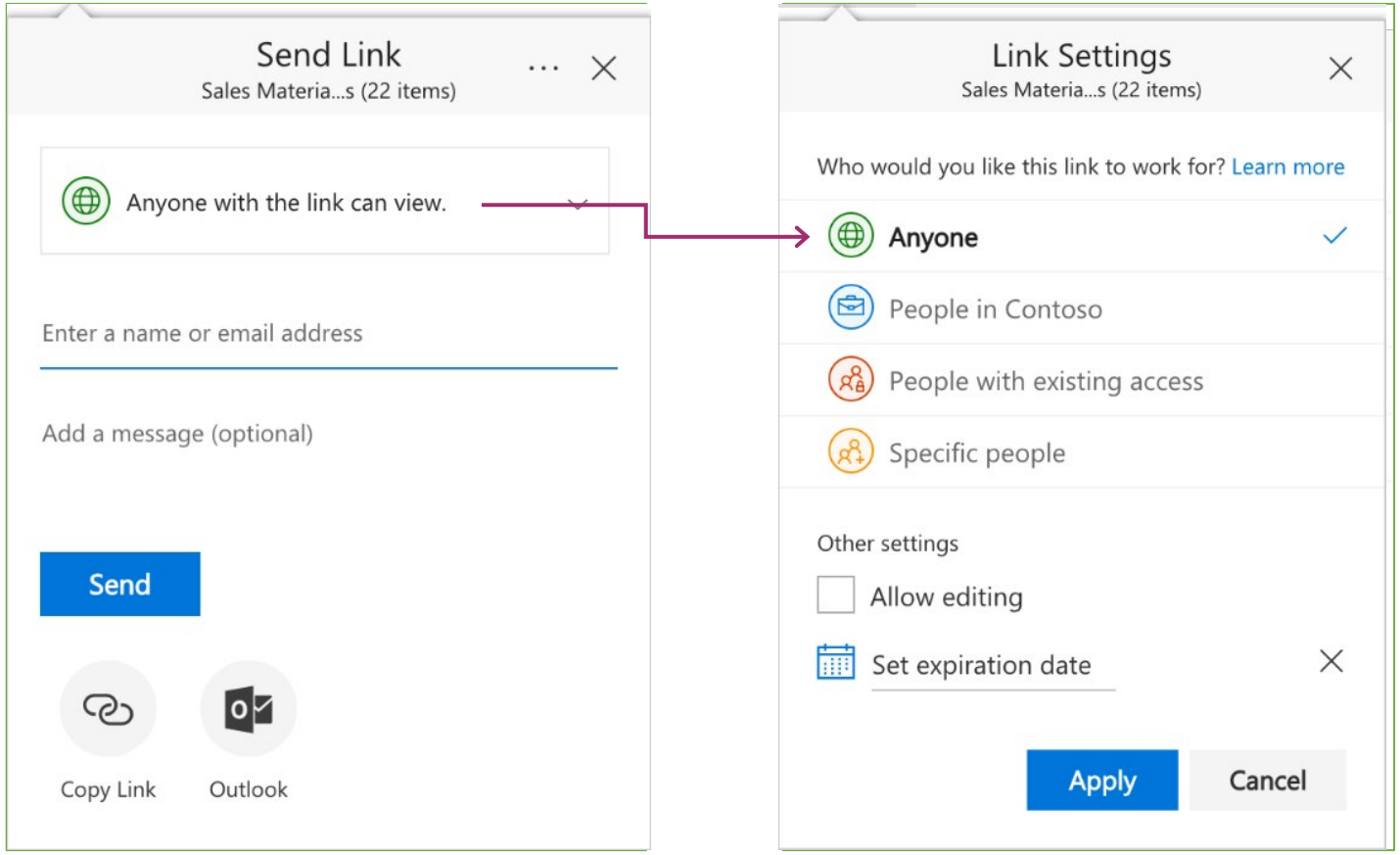
Envision IT Sample of Unstructured Sharing

- **Co-authoring an RFP submission**
  - Sharing the Word document with the contributing users stored in Sales SharePoint Online site
  - Sending proposal update @ mentioning users in Teams



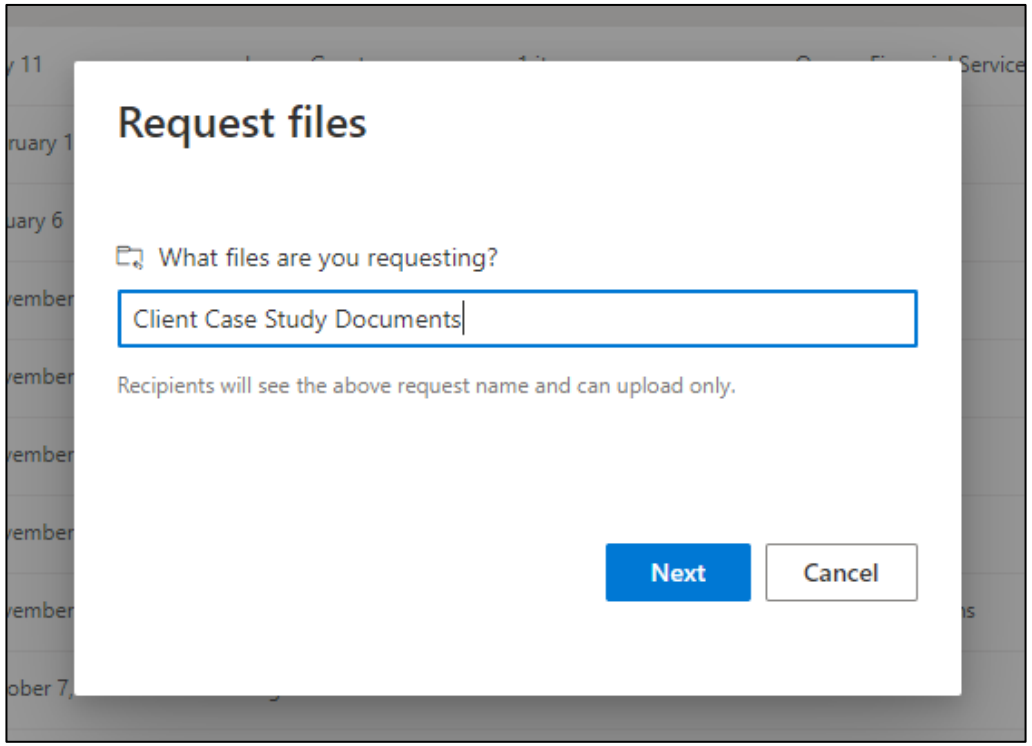


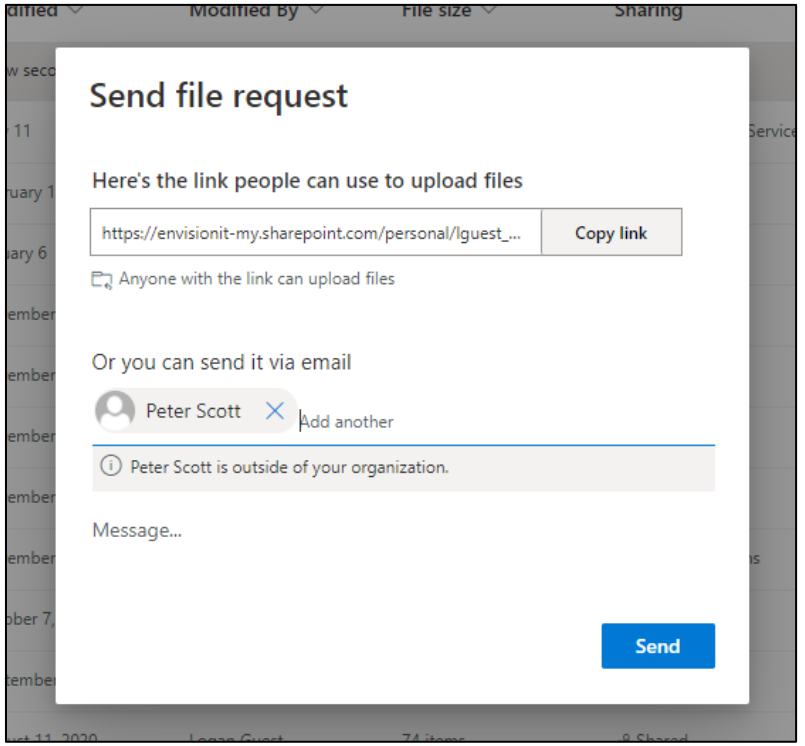
Shareable Links



Envision IT Sample of Unstructured Sharing

- **Co-authoring an RFP submission**
  - Request Files through OneDrive for case study files

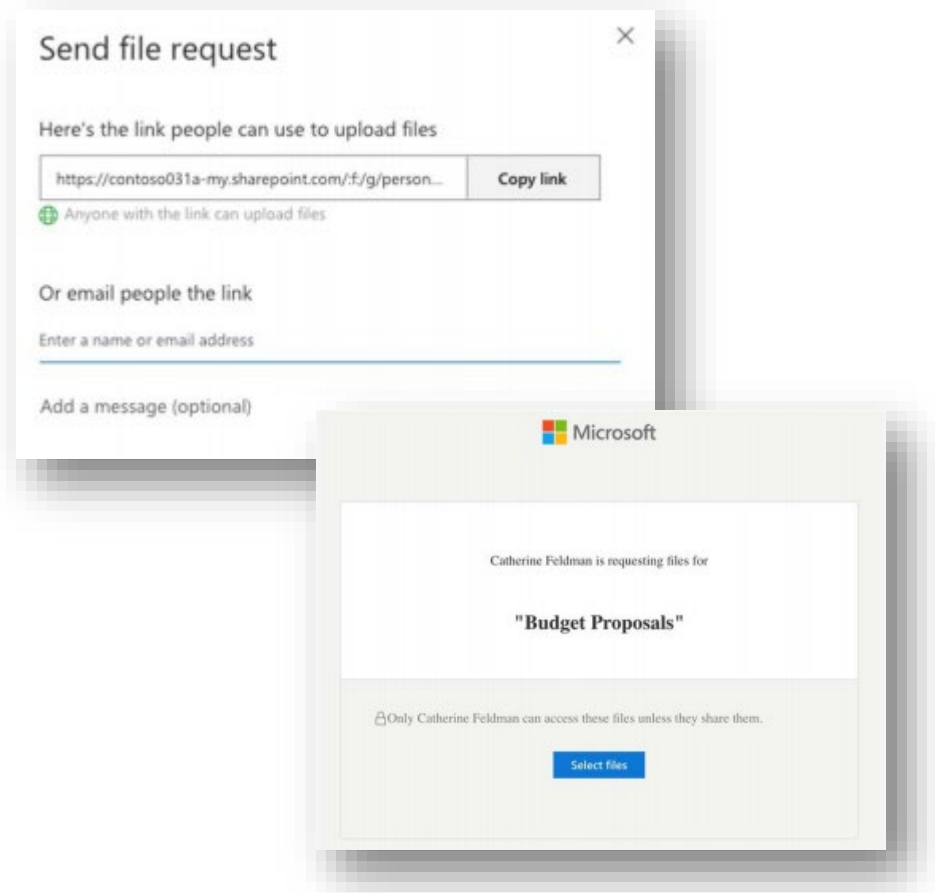




Request Files

- Ask colleagues and external guest users to upload files to a folder
- Uploaders can only see their own content
- Single link can be used for many uploaders

OneDrive for Business



Structured Sharing with Microsoft 365

- **Typically hundreds to thousands of external users**
- **Represent many different groups of external users**
  - Projects
  - Committees
  - Customers
  - Vendors
  - Partners
- **May be many different business owners**
  - Owners can be internal or external

Microsoft 365 Structured Sharing Options

Roll Your Own

- Build in the tool of your choice
- Integrate through the Graph API

AAD Entitlement Management

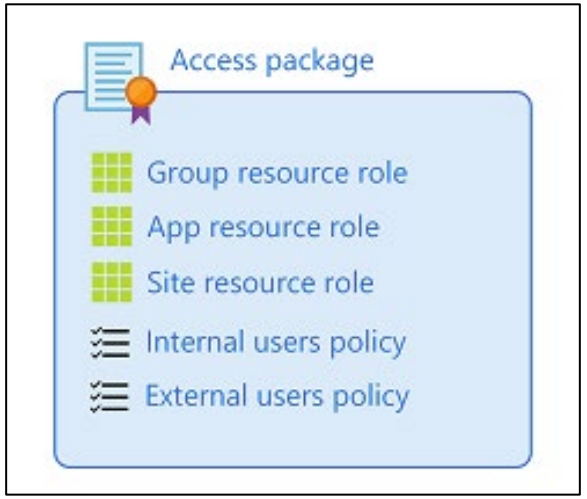
- Access packages define access to groups, applications, SharePoint Online
- Workflows define onboarding process
- Some branding and customization

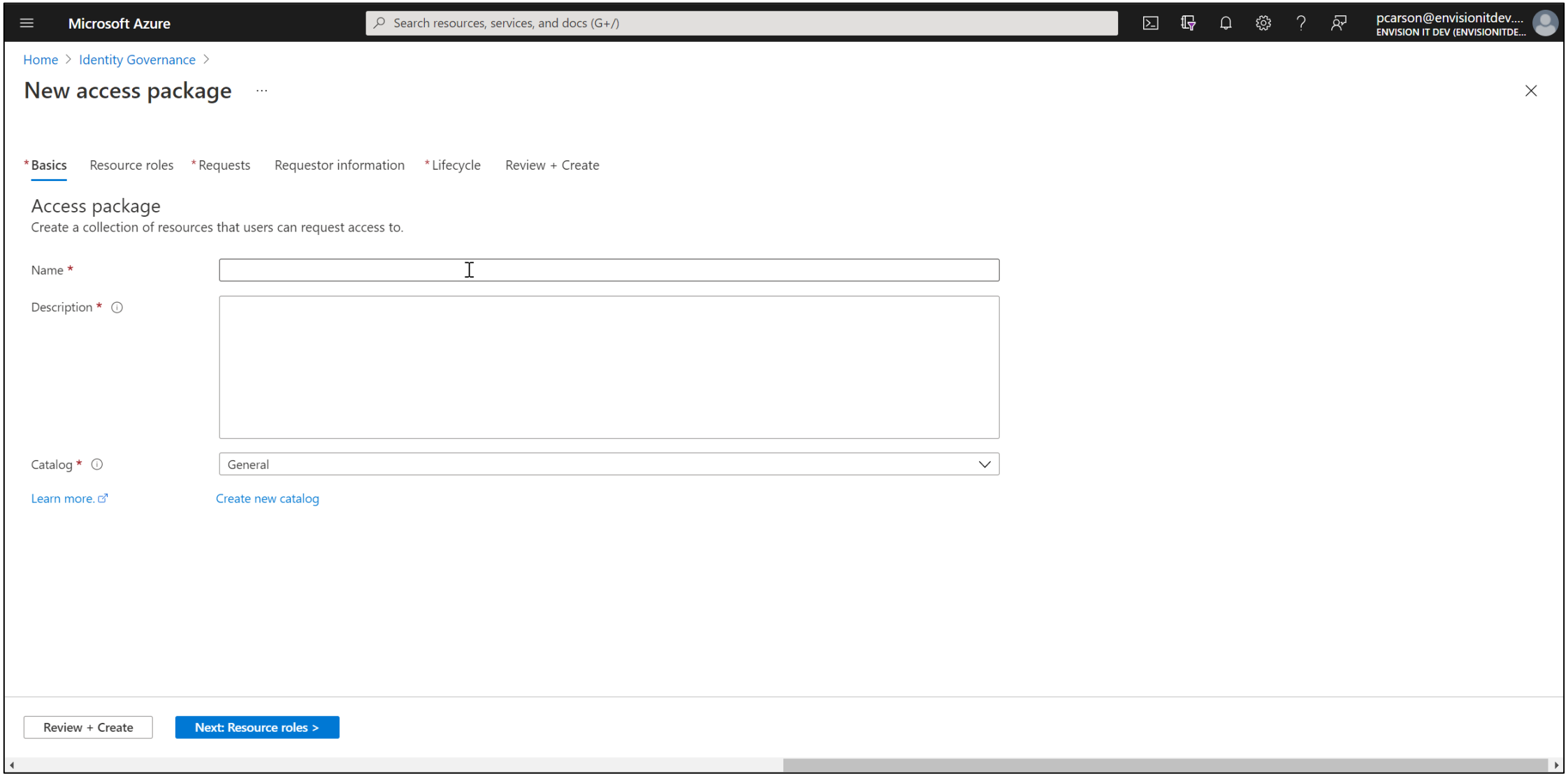
Extranet User Manager

- Pre-built .NET Core 3 sample portal
- Fully brandable and customizable
- EUM Admin portal for creating and managing users and groups
- Licensed by the pool size of external users

Azure Entitlement Management

- **Delegate to non-administrators the ability to create access packages**
- **Access package is a bundle of resources a user needs access to**
- **Can consist of:**
  - Membership of Azure AD security groups, Microsoft 365 Groups and Teams
  - Assignment of Azure AD applications
    - SaaS and custom integrated apps supporting federation/SSO
  - Membership of SharePoint Online sites
- **Policies define the rules for the access package**
- **Within each policy, admin defines:**
  - Users or organizations who can request access
  - Approval process and who can approve/deny access
  - Duration of users access




Microsoft Azure
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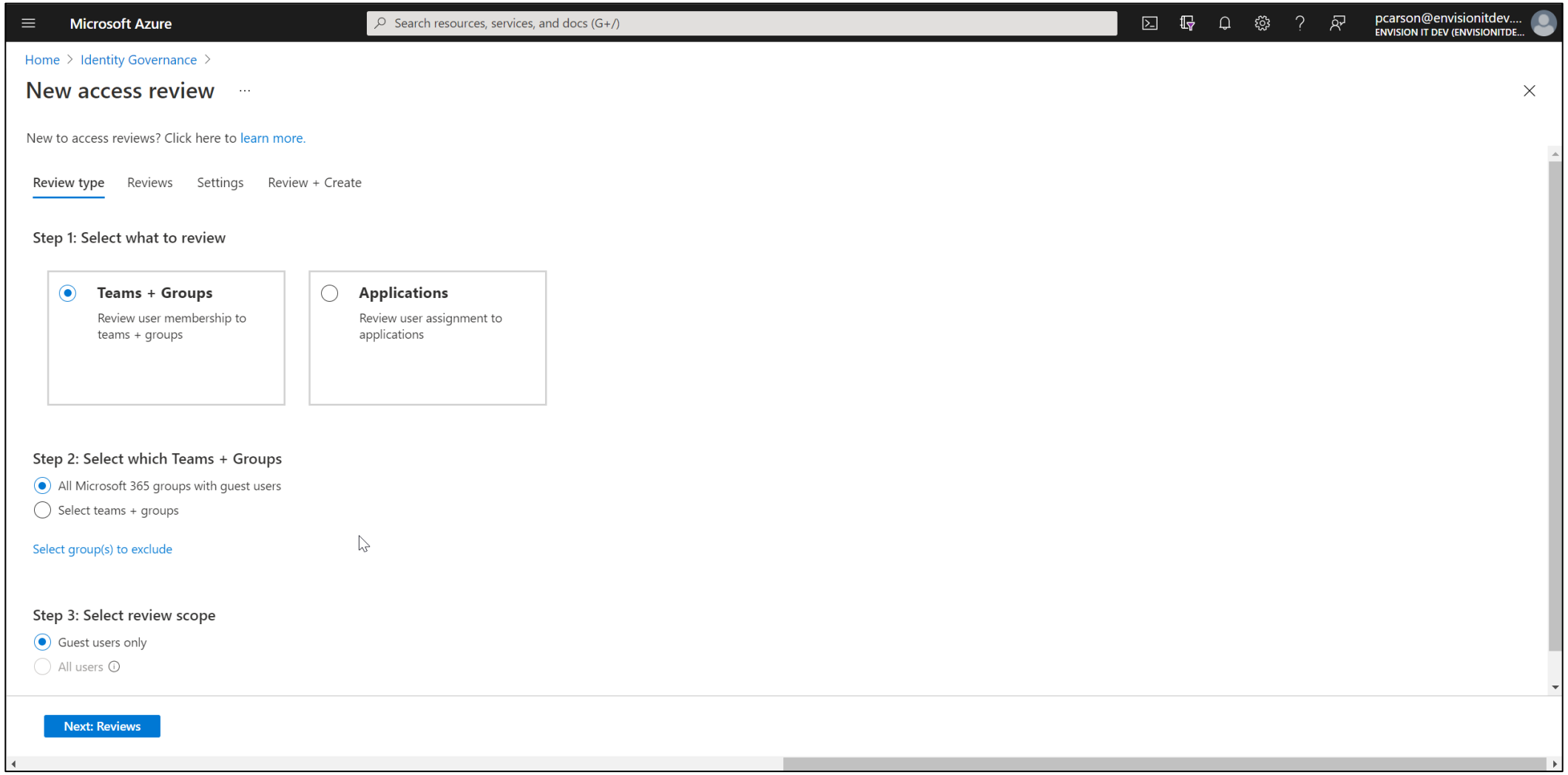
Home
Identity Governance
New access package
*Basics
Resource roles
*Requests
Requestor information
*Lifecycle
Review + Create
Access package
Create a collection of resources that users can request access to.
Name *
Description *
Catalog *
General
Learn more.
Create new catalog
Review + Create
Next: Resource roles >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Home
Identity Governance
New access review
New to access reviews? Click here to learn more.
Review type
Reviews
Settings
Review + Create
Step 1: Select what to review
Teams + Groups
Review user membership to teams + groups
Applications
Review user assignment to applications
Step 2: Select which Teams + Groups
All Microsoft 365 groups with guest users
Select teams + groups
Select group(s) to exclude
Step 3: Select review scope
Guest users only
All users
Next: Reviews

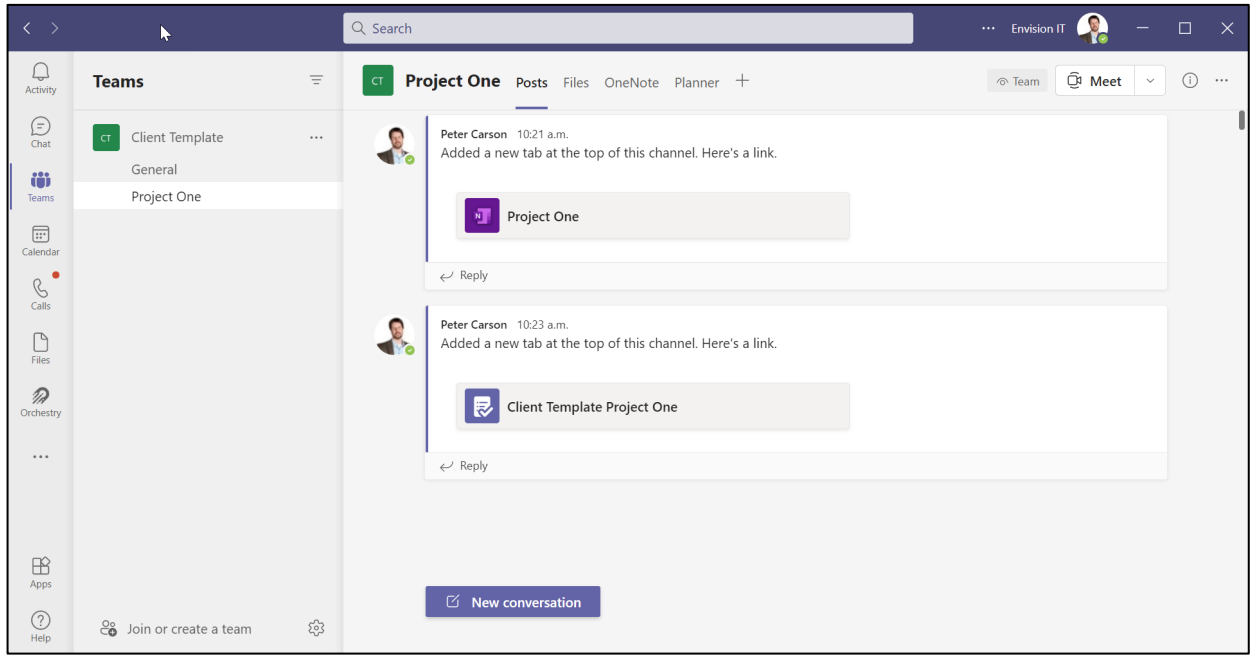
Azure Information Protection

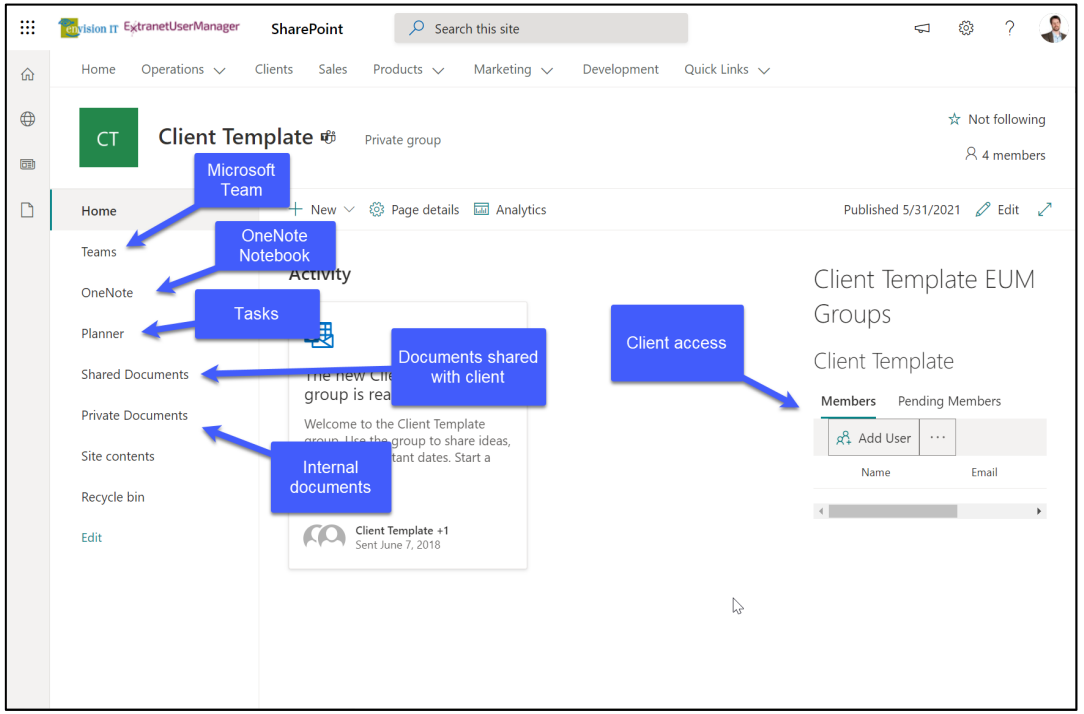
- **Used to classify and protect content**
- **More granular permissions can be applied**
  - AIP uses Azure Rights Management to encrypt and protect the documents regardless of where the document is
  - Block download, edit, copy
  - You could allow download, but for anyone to access the downloaded document they would still need to have the AIP rights assigned to them
  - Maintains control of the documents regardless of where they go
  - Permissions can be revoked for documents regardless of where they are
- **Can be used with Conditional Access to determine policy**
  - Could require MFA before accessing sensitive documents or sites
- **Can also be applied to the sharing rules**
  - Don't allow sharing of content with certain sensitivity labels applied
- **Can be manually or automatically applied (AIP P1 or P2)**

Extranet Documents and User Manager Sharing

Envision IT Sample of Structured Sharing

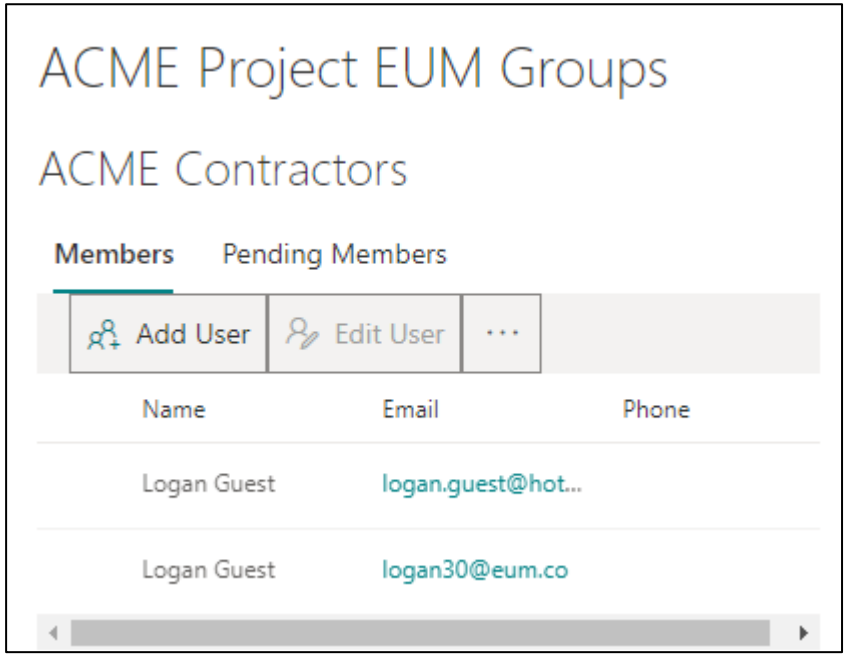
- **Sharing Project Updates on Client Project**
  - Client has Team and SharePoint site
  - Invite users into Shared Documents library
  - Access quotes, invoice, project updates, etc.





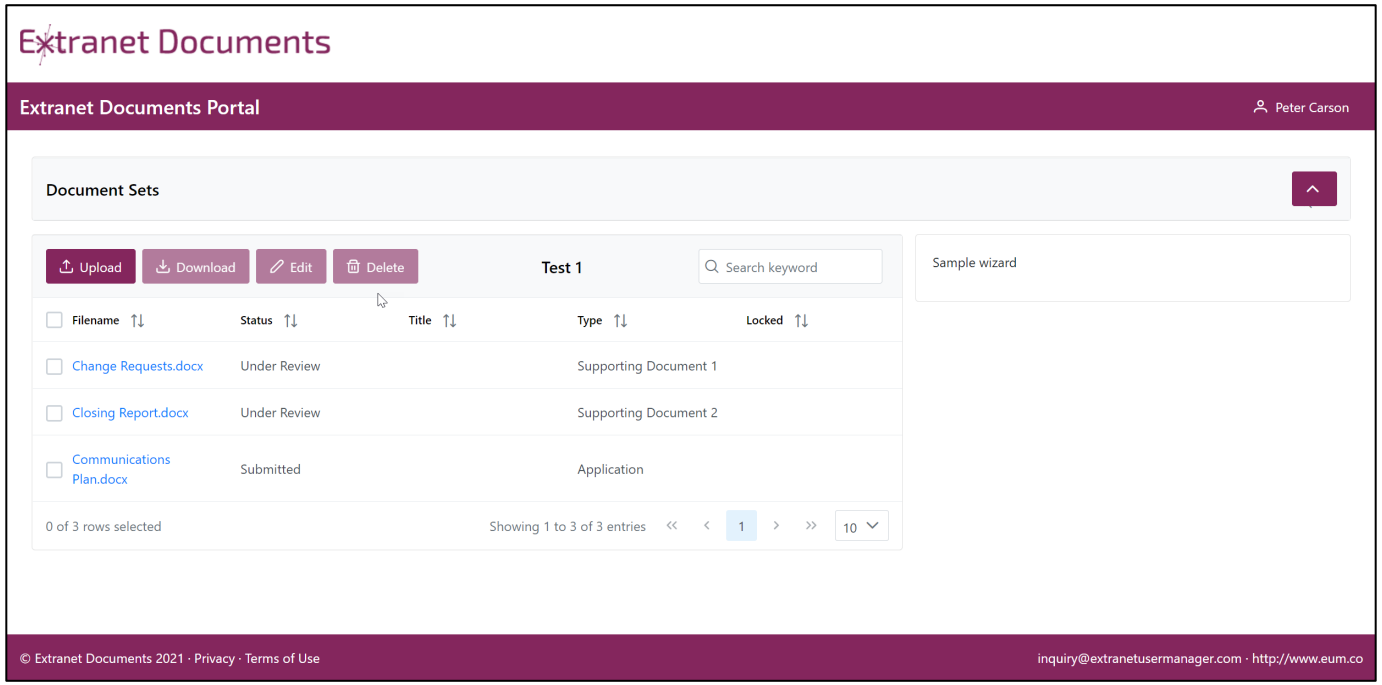
External Sharing with EUM

- **EUM provides user onboarding management for:**
  - First party Microsoft Applications such as SharePoint Online
  - Extranet Documents application
- **Delegated administration**
- **EUM Group Members SPFx webpart enables group owners to add/edit/remove group members from the site**
  - Direct invite through webpart
  - Private registration link invite



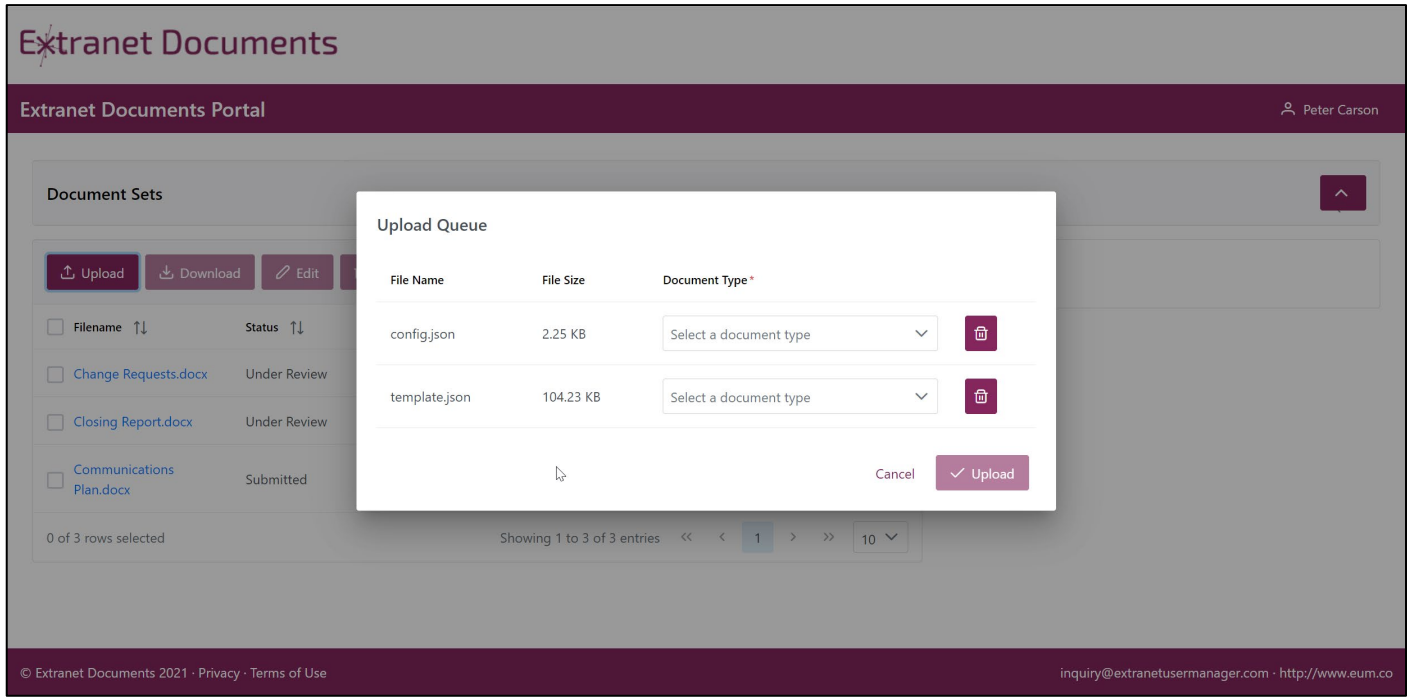
Extranet Documents

- **Simplified, configurable UI on top of SharePoint Online**
  - Select a document set
  - View, download, and manage documents
  - Drag and drop upload
  - Configurable wizard
- **Built on Angular**
- **Runs outside of SharePoint Online in an Azure App Service, but live connected to SharePoint**



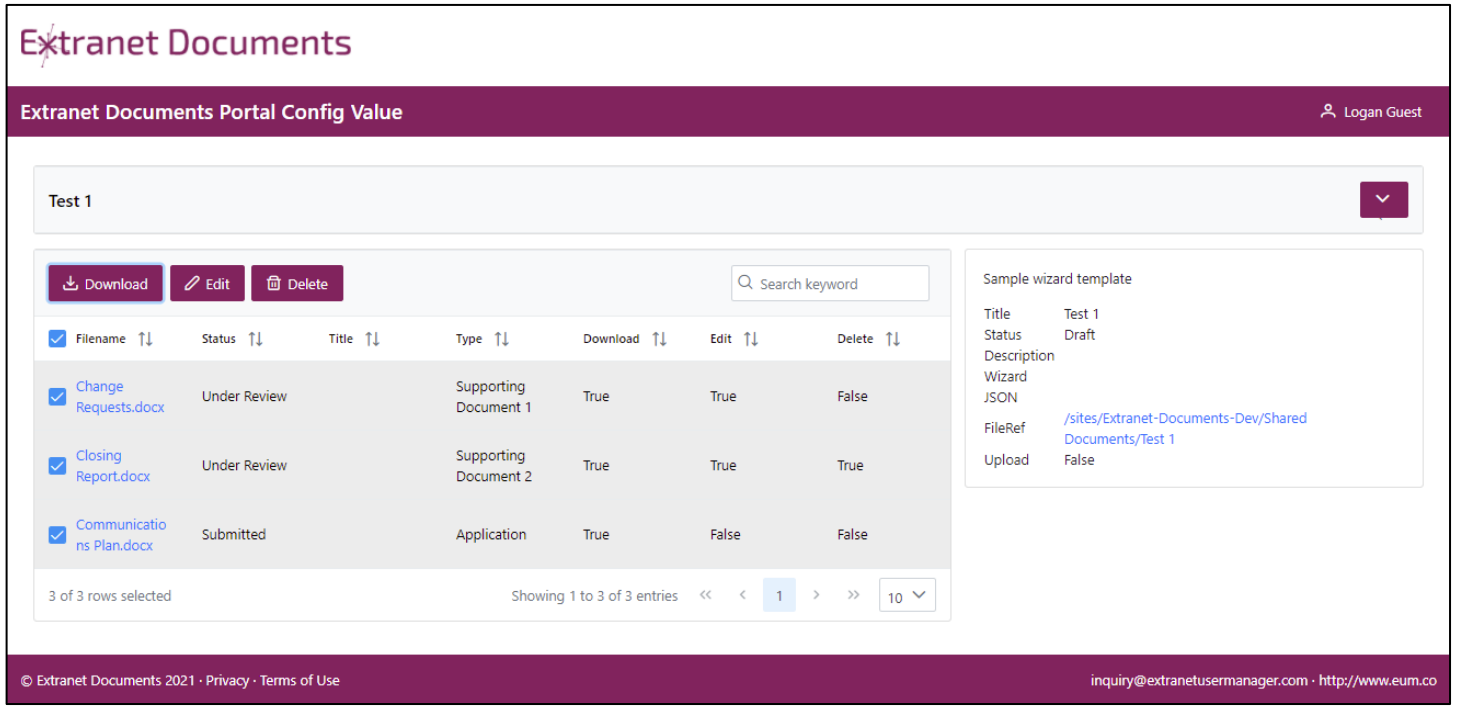
Extranet Documents Upload

- Drag and drop upload of additional documents
- Simple configurable dialog to provide the minimum required metadata
- Logic App no-code workflow to enforce document naming and location conventions
- Same named files can overwrite with version history, or be renamed to keep them unique (document-1.pdf for example)



Extranet Documents Download

- Select one or more documents for download
- Single documents are immediately downloaded
- Multiple selected documents are zipped and then downloaded together



Three Structured External Sharing Scenarios

Invitation Only

- Business owner knows who to invite
- Direct one of invitations
- Bulk import of external users

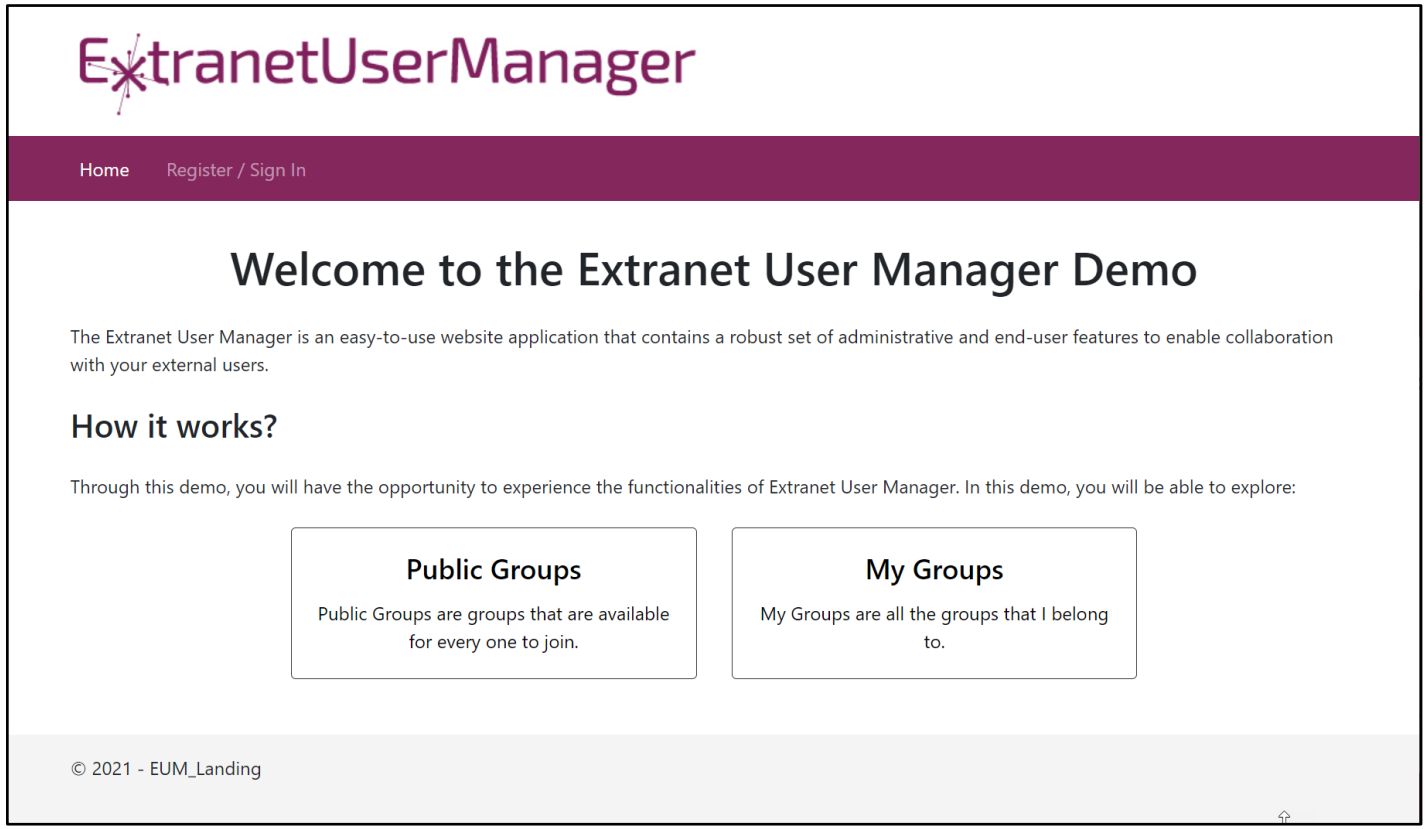
Private Registration

- Business owner knows someone who knows who to invite
- Private registration link that is not easily guessed
- Can be forwarded any number of times
- May or may not want approvals on registration
- May auto-approve based on email domain

Public Registration

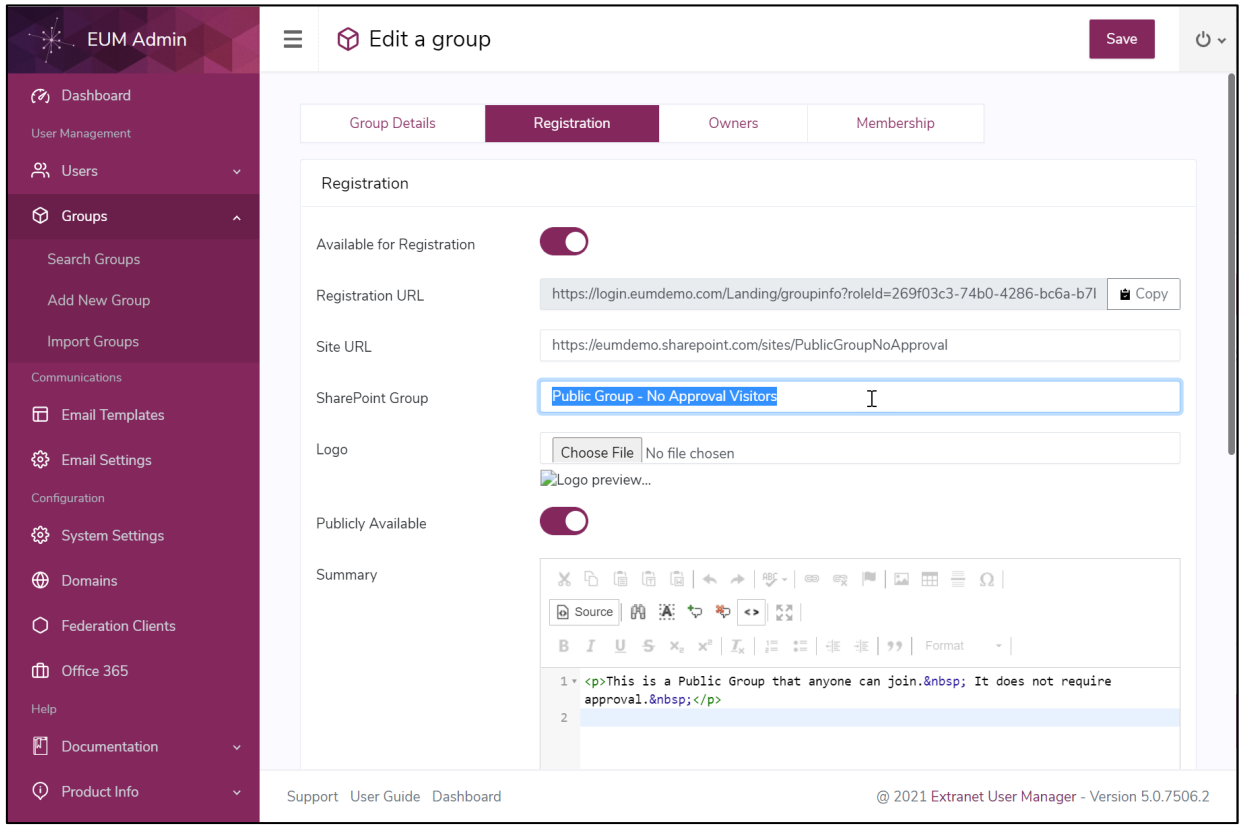
- Anyone should be able to discover and register
- Typically linked from a public website page
- May or may not want approvals on registration
- May auto-approve based on email domain

EUM Landing Application

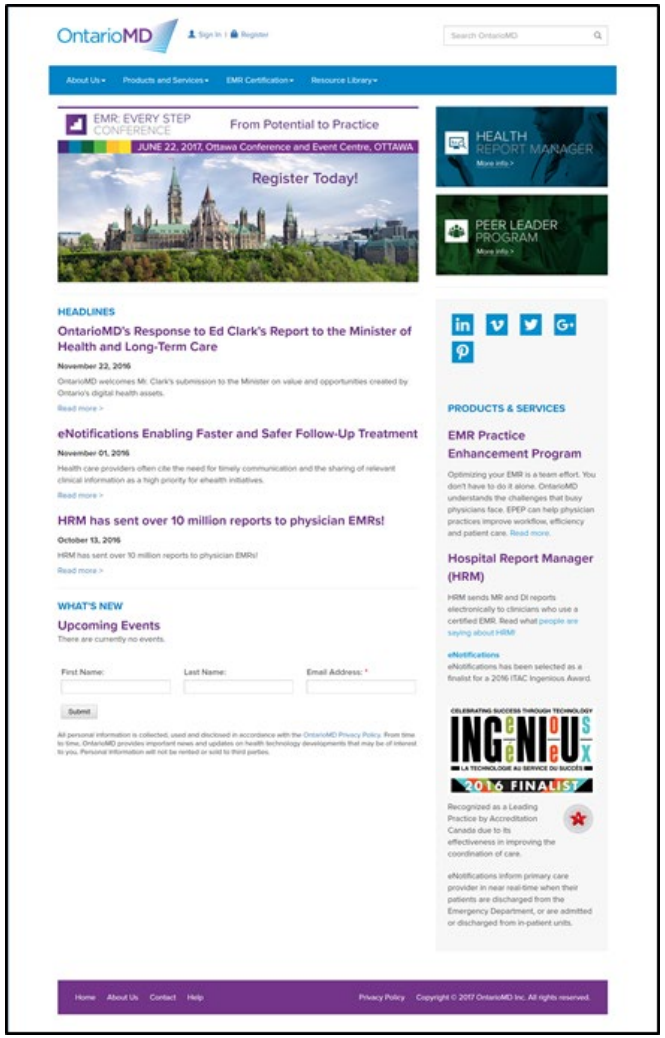


- **Fully brandeable .NET Core 3.1 app**
- **SSO with Azure AD**
- **Simplified sign-in / registration on-boarding**

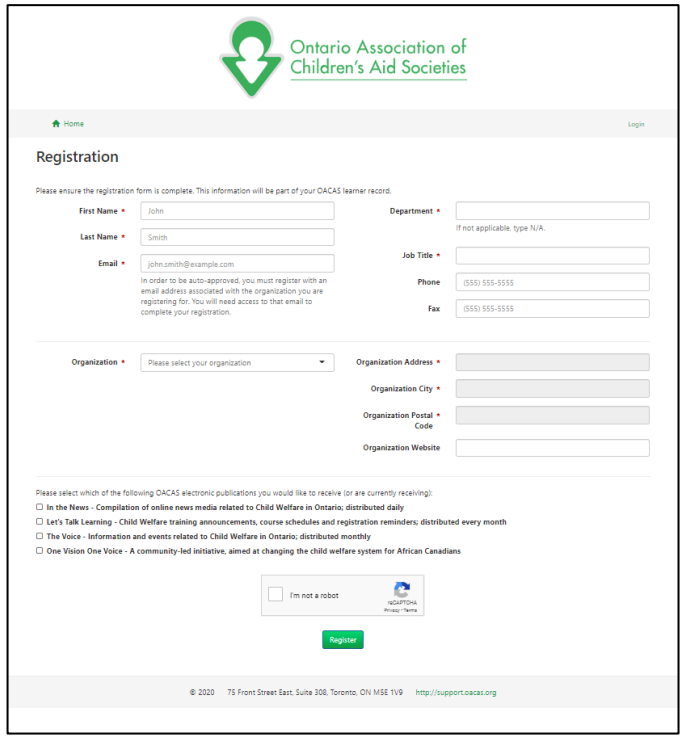
EUM Groups



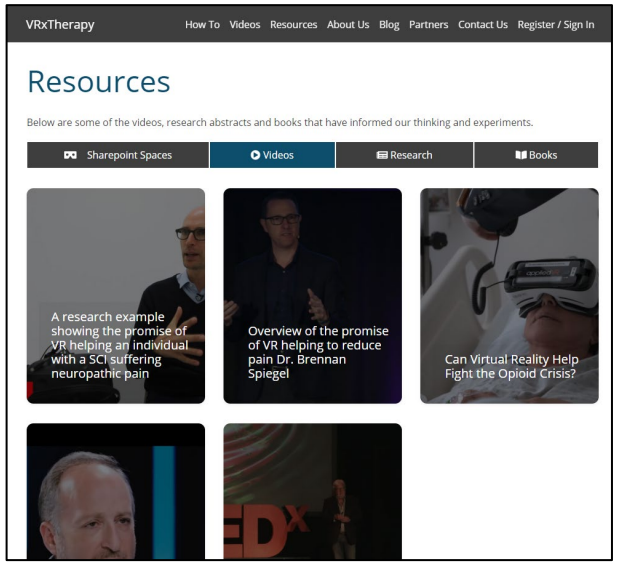
- **Define all the extended properties of an Azure AD group**
- **Drives the workflows in the Landing application**



www.ontariomd.ca



https://oacas.sharepoint.com/



https://www.vrxtherapy.org/

Upcoming Webinars

New Azure AD External Identities Features
July 27, 2021
12 pm – 1 pm EST

Register for all upcoming events at http://eum.co/resources/events

Want to join the Envision IT / Extranet User Manager Team?

- Currently hiring for Content Marketing Specialist role
- Careers | Envision IT for more details!

Thank you!

Questions?