Microsoft 365 Unstructured and Structured External Sharing

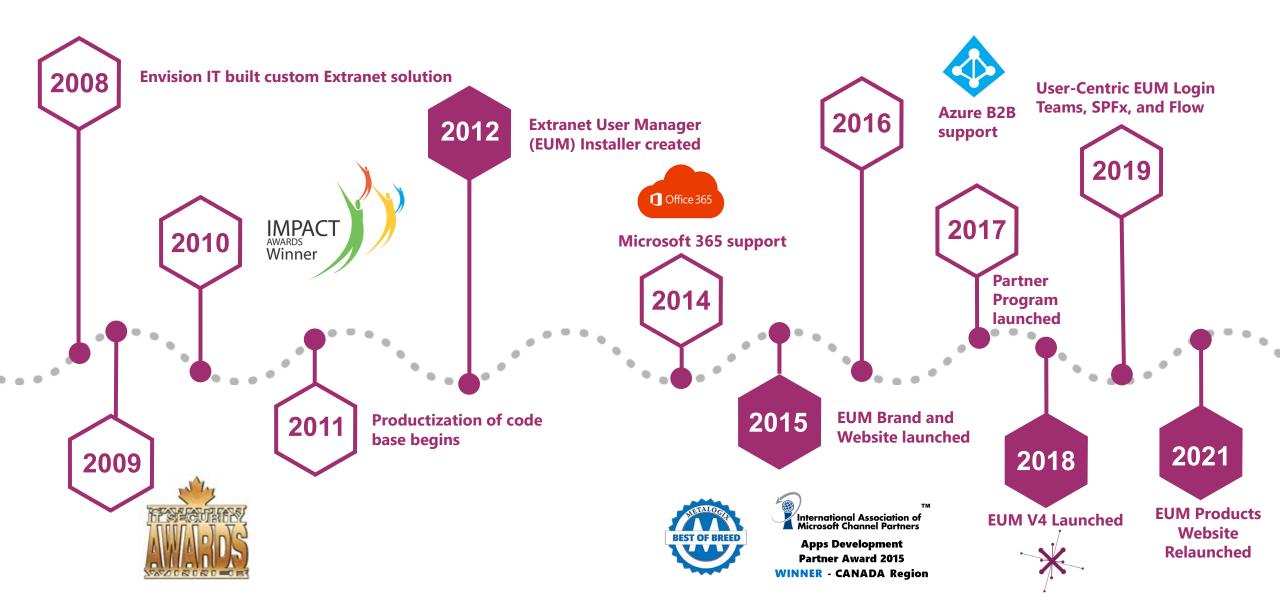
Tuesday, July 13, 2021 12 - 1 PM Eastern Time

Peter Carson



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- Office Apps and Services Microsoft MVP
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- Twitter @carsonpeter
- President Toronto SharePoint User Group





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http://eum.co

Customers around the Globe







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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: <u>New Azure AD External Identities Features | Extranet User Manager</u>

http://eum.co

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

| | ${\cal P}$ Search resources, services, and docs (G+/) |
|---|--|
| Home > Envision IT > External Identiti | ies |
| External Identities Envision IT - Azure Active Directory | External collaboration settings |
| | 🖫 Save 🗙 Discard |
| i Get started | 🔗 Email one-time passcode for guests has been moved to All Identity Providers. $ ightarrow$ |
| All identity providers | |
| 🔅 External collaboration settings | |
| X Diagnose and solve problems | Guest user access Guest user access Guest user access restrictions ① |
| Self-service sign up | Learn more Guest users have the same access as members (most inclusive) |
| Custom user attributes | Guest users have time same access as members (most inclusive) Guest users have timited access to properties and memberships of directory objects |
| All API connectors | Guest user access is restricted to properties and memberships of their own directory objects (most restrictive) |
| 🖧 User flows | |
| Subscriptions | Guest invite settings |
| | Guest invite restrictions ① |
| Linked subscriptions | Learn more Anyone in the organization can invite quest users including quests and non-admins (most inclusive) |
| Lifecycle management | Member users and users assigned to specific admin roles can invite guest users including guests with member permissions |
| ☑ Terms of use | Only users assigned to specific admin roles can invite guest users |
| Access reviews | O No one in the organization can invite guest users including admins (most restrictive) |
| Troubleshooting + Support | Enable guest self-service sign up via user flows 🕕 |
| New support request | Learn more |
| New support request | Ves No |
| | Collaboration restrictions |
| | Allow invitations to be sent to any domain (most inclusive) |
| | O Deny invitations to the specified domains |
| | Allow invitations only to the specified domains (most restrictive) |
| | |

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
- Microsoft 365 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 🔎 Searc | ch resources, services, and docs (G+/) | | | ₽ ¢ © 7 | ? 😳 pcarson@eumdemo.on ENVISION IT (EUMDEMO.ONMIC |
|---|--|--|------------------------------|-----------------------|---|
| Home > Envision IT > Users All users (Pr Envision IT - Azure Active Directory | eview) | | | | Documentation 🗗 🗙 |
| All users (Preview) Deleted users | + New user + New guest user | → Bulk create | 🖒 Refresh 🖉 Reset password 🗹 | Multi-Factor Authenti | cation 🗊 Delete user … |
| Password reset User settings | Name | T Bulk Invite T Bulk delete ↓ Download users | User type Guest | | Source Invited user |
| Diagnose and solve problems Activity Sign-ins | | | Guest Guest | | OTP External Azure Active Directory External Azure Active Directory |
| Audit logs Bulk operation results | | | | | |
| Troubleshooting + Support | | | | | |

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 <u>Much More</u>

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

| Send Link ···· × Job Descriptiion PMM.docx | Link settings Job Descriptiion PMM.docx Who would you like this link to work for? |
|---|---|
| Anyone with this link can edit. > | Anyone with the link |
| <u> </u> | People in Contoso with the link |
| Enter a name or email address | R People with existing access |
| Add a message (optional) | R Specific people |
| | Other settings |
| Send | Allow editing |
| | Set expiration date |
| S S | A Set password |
| Copy Link Outlook | Block download |
| | Apply Cancel |

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



| Sala p faborationders | " Shandhuint admin conter | 0 0 7 |
|-----------------------|--|-------------|
| | Sharing | |
| - Home | Use these settings to control sharing at the arganization level in Sharefront and OneDrive. Leave index | |
| 1 504 | | |
| Active sites | External sharing | |
| Deleted sites | | |
| 1 Rolom | Content can be shared with: | |
| theory active | Allow permitting Allow the set free set free set to be to be and the set of t | |
| Settings | have and existing guests. Guidemail any or premise and fusion web. | |
| Coment services | Existing parts Dry parts simply your operations destry. | |
| Myzlin Advect | Coly provide in your seguritation ta active discriptional | |
| | You can further restrict sharing for each individual site and OreDrive. Learn how | |
| More features | Max estend thema entropy ~ | |
| double advisioner | | |
| | File and folder links | |
| Custonite revipetion | File and toider links | |
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| | B type/fc people carly the people the user specifies | |
| | O Only progree in your organization | |
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| | Choose the permission that's selected by default for sharing links. | |
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| A Home | Active sites © | | | | | × |
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| Stee | + Create 🔒 Owners ~ 🔥 Hub | V / Sharing 🔒 Delete | | | | Sharing © |
| Active sites | Stature 1.1 | URL~ | Storage used (SII) 🗠 | Primary admin 11 | 80.1 | Site content can be shared with: |
| Deleted sites | About the | "/stephalo demo abeut us | 0.05 | Peter Carson | Extranet User Manage | Anyone Users can share files and folders using links that don't require sign-in. |
| Sharing | App Celulog | | 0.37 | Peter Carson 1 | | New and existing guests |
| Access control | O 828 Test Drive | /stec/8287er@vive | 0.00 | Peter Carson | | Guests must sign in or provide a verification code. |
| Settings | Breakfast Servicear | .Jutes/breakfastservirus | 0.00 | Peter Carson | | Disting guests only Only quests already in your organization's directory. |
| Advanced | Contoso Electronica | /steu/sktemoportal | 0.02 | Peter Carson | Contaxa Dectronics () | and deeps mently in how order means a nearly |
| API management | Denio Tearri | .Jabalderotean | 0.00 | R Group owners | Extranet User Manage | Only people in your organization No external sharing allowed. |
| ① Classic features | Demos | .Jutes/demos | 0.00 | Peter Carton | Estranet Uber Manage | |
| | Envision IT Team Site | Mips//eundersosherepoint.com | 0.00 | Company Administrator | | |
| OneDrive admin center | EUM Groups Web Part | /sites/europoopsoelspart | 0.00 | R. Group owners | | |
| Data migration | ELM Webpart Rishan | /stes/EUMWebpartRotan | 0.00 | A. Group owners | | |
| | EUM Webpart Testing | /sites/IUMWebpartTesting | 0.00 | R Group owners | | |
| | Extranet User Manager | ./strs/valo-demo | | Peter Carson | Istranet User Manage | |
| | Home | .JuterAutoclassic | 0.06 | Pater Cancon | | |
| | Nome | /sites/valo-classic | 0.06 | Pater Cation | | |
| | Human Resources | "Jahrs/valo-derso-br | 0.00 | Refer Carson | Extranet User Manage | |
| | Human Resources | ./shes/skitenoly | 0.00 | R. trap owners | Cantosa Bierranica | |
| | Information Technology | /sites/valo-dience-d | 0.01 | Peter Canson | Estvariet User Manage | |
| | | | | Report Canoni | Intrastet Liber Manage | Szore Cancel |



Microsoft 365 Admin

SharePoint Admin

Site Collection Admin



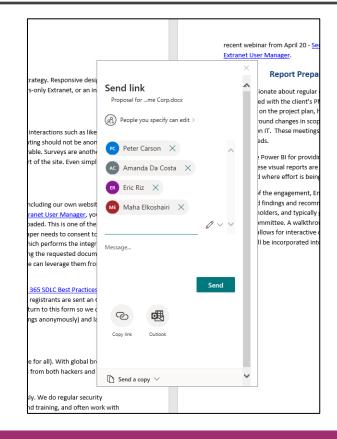
http://eum.co

Envision IT Sample of Unstructured Sharing

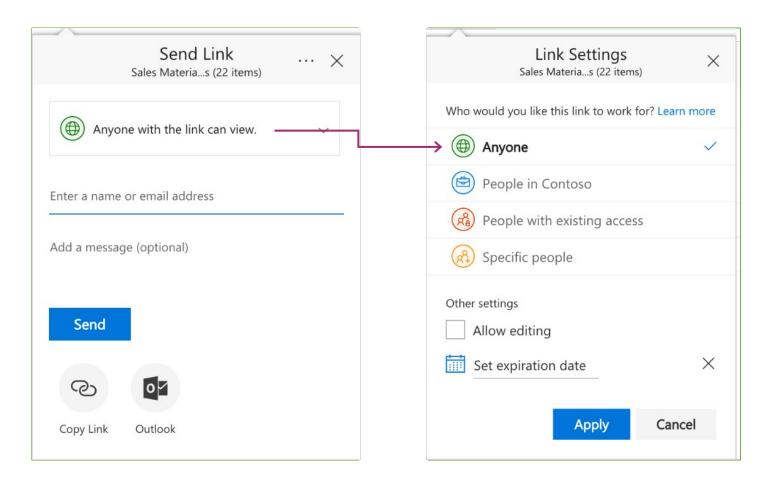
Co-authoring an RFP submission

- Sharing the Word document with the contributing users stored in Sales SharePoint Online site
- Sending proposal update @ mentioning users in Teams

| ☑ New conversation ∨ Everyone can reply ∨ 🕑 Post in multiple channels | ŵ |
|---|------------------|
| $\mathbf{B} I \bigcup \mathfrak{S} \mid \forall \Delta A Paragraph \checkmark \Lambda_{\mathcal{D}}^{L} \mid \leftarrow \mathbf{P} \coloneqq \frac{1}{2} \equiv \mid PP \mathbf{CP} \langle P \rangle \equiv \boxplus \mid P \cdots PP \mathsf$ | |
| Acme RFP Due Friday at 3 PM | |
| Peter, Amanda, Maha & Eric - I have been working on the Proposal for Acme Corp.docx over the weekend. I've added in comment would like each of you to contribute. • Peter to focus on budget • Amanda to focus on case studies • Maha to focus on project timeline • Eric to focus on proposed solution | ts where I |
| People with existing access can use the link v | |
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Shareable Links





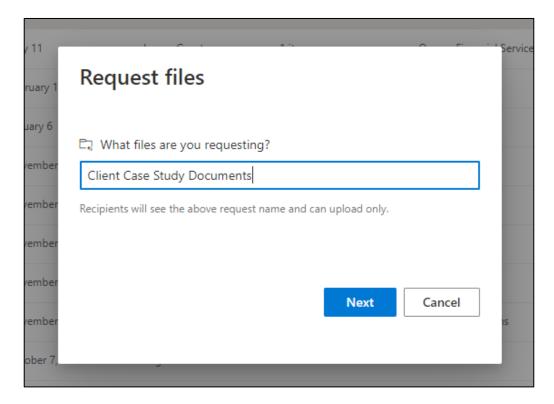




Envision IT Sample of Unstructured Sharing

• Co-authoring an RFP submission

 Request Files through OneDrive for case study files



| dified \sim | Modified By V File size V | Sharing | |
|-------------------|--|------------|---------|
| w seco | Send file request | | Service |
| ruary 1 | Here's the link people can use to upload files | | |
| | https://envisionit-my.sharepoint.com/personal/lguest | Copy link | |
| iary 6 ember | □ Anyone with the link can upload files | | ł |
| ember | Or you can send it via email | | |
| ember | Peter Scott × Add another | | |
| | (i) Peter Scott is outside of your organization. | | |
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| uct 11 20 | 20 Locan Guest 74 items | .Q. Shared | |

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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



| Send file request | × |
|---|---|
| Here's the link people can use to upload files | |
| https://contoso031a-my.sharepoint.com/:f/g/person_ | Copy link |
| Anyone with the link can upload files | |
| Or email people the link Enter a name or email address | |
| Add a message (optional) | Hicrosoft |
| | Catherine Feldman is requesting files for "Budget Proposals" |
| ∆Only Cath | nerine Feldman can access these files unless they share them. |

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 AAD Entitlement Management Extranet User Manager Build in the tool of your Access packages define Pre-built .NET Core 3 choice access to groups, sample portal applications, SharePoint Integrate through the Fully brandable and Online customizable **Graph API** Workflows define **EUM Admin portal for** onboarding process creating and managing Some branding and users and groups customization • Licensed by the pool size of external users

http://eum.co

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



| \equiv Microsoft Azure | P Search resources, services, and docs (G+/) | | Ģ Q | ŝ | ? ጽ | pcarson@envisionitdev ENVISION IT DEV (ENVISIONITDE |
|---|---|---|------------|---|-----|--|
| Home > Identity Governance > | | | | | | |
| New access package | e | | | | | × |
| | | | | | | |
| *Basics Resource roles * Requ | uests Requestor information * Lifecycle Review + Create | | | | | |
| Access package Create a collection of resources th | hat users can request access to. | | | | | |
| Name * | I | | | | | |
| Description * ① | | | | | | |
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| Learn more. 🖉 🛛 Ci | Create new catalog | | | | | |
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| Review + Create Next: | : Resource roles > | | | | | |
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|---|--|--------|---|---|---|---|------|--|
| Home > Identity Governance > | | | | | | | | |
| New access review | | | | | | | | × |
| New to access reviews? Click here to learn more | | | | | | | | |
| | | | | | | | | A |
| Review type Reviews Settings Revie | w + Create | | | | | | | |
| Step 1: Select what to review | | | | | | | | |
| | | | | | | | | |
| Teams + Groups Review user membership to | Applications Review user assignment to | | | | | | | |
| teams + groups | 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 | | | | | | | | |
| 4 | | | | | | | | • |

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)

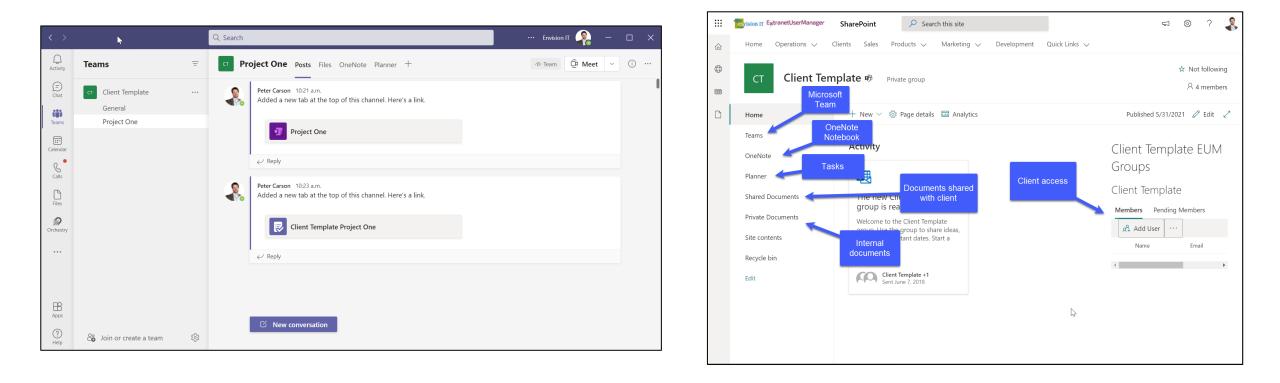
Extranet Documents and User Manager Sharing

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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

| ACME Pro | ject EUM (| Groups |
|----------------------------|----------------|--------|
| ACME Cont | ractors | |
| Members Pen | ding Members | |
| _ମ ନ୍ଦୁ Add User | ℅ Edit User 😶 | • |
| Name | Email | Phone |
| Logan Gues | t logan.guest(| @hot |
| Logan Gues | t logan30@eu | im.co |
| • | | • |

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

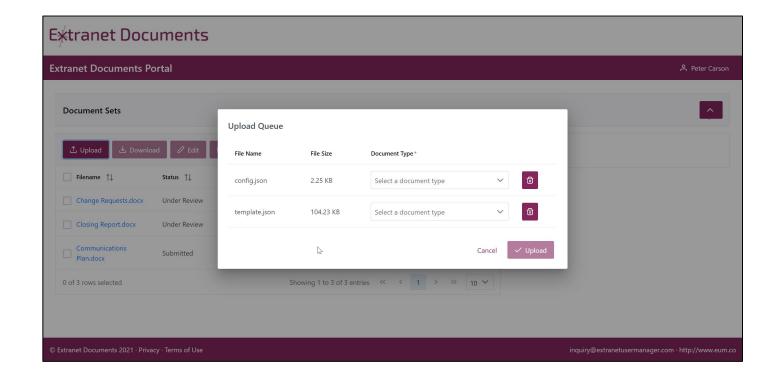
• Built on Angular

 Runs outside of SharePoint Online in an Azure App Service, but live connected to SharePoint

| Extranet Docum | nents | | | |
|--|------------------|---------------------------------|------------------|---|
| Extranet Documents Portal | al | | | 우 Peter Carson |
| Document Sets | | | | |
| Ĵ Upload ∠ Download | | Test 1 | Q Search keyword | Sample wizard |
| Filename ↑↓ Sta | atus ↑↓ Title ↑↓ | Type ↑↓ | Locked ↑↓ | |
| Change Requests.docx Un | nder Review | Supporting Docum | ent 1 | |
| Closing Report.docx Un | nder Review | Supporting Docum | ent 2 | |
| Communications Sub Plan.docx | ubmitted | Application | | |
| 0 of 3 rows selected | | Showing 1 to 3 of 3 entries 🛛 < | < 1 > >> 10 ¥ | |
| | | | | |
| | | | | |
| © Extranet Documents 2021 · Privacy · Te | erms of Use | | | inquiry@extranetusermanager.com · http://www.eum.co |

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

| Extranet Documents | | | | | | |
|---|--------------------------|-----------------------|---------|-----------|--|-------------------|
| Extranet Documents Portal Config Value | | | | | | ິ A Logan Guest |
| Test 1 | | | | | | × |
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| ✓ Filename $\uparrow \downarrow$ Status $\uparrow \downarrow$ Title $\uparrow \downarrow$ | Туре ↑↓ | Download ↑↓ | Edit ↑↓ | Delete ↑↓ | Status Draft Description | |
| Change Under Review | Supporting Document 1 | True | True | False | Wizard JSON FileRef /sites/Extranet-Documents-Dev/Shared | |
| Closing Under Review | Supporting Document 2 | True | True | True | Documents/Test 1 Upload False | |
| Communicatio ns Plan.docx Submitted | Application | True | False | False | | |
| 3 of 3 rows selected | Showing | g 1 to 3 of 3 entries | « < 1 | > >> 10 ¥ | | |
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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

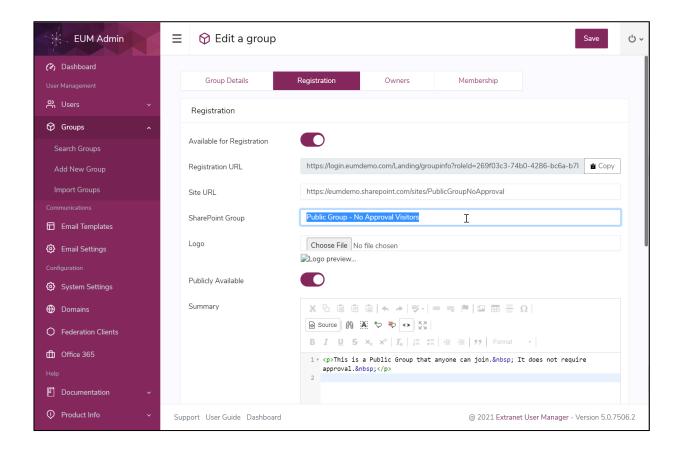
Image: Second Second

• Fully brandeable .NET Core 3.1 app

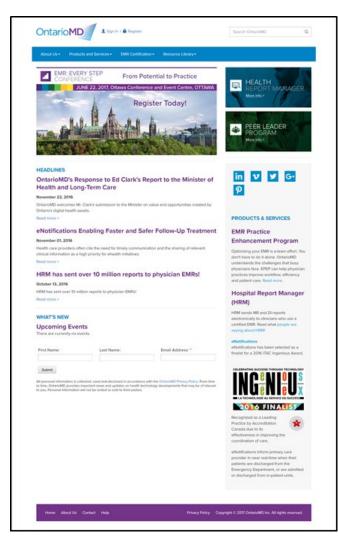
- SSO with Azure AD
- Simplified sign-in / registration on-boarding

© 2021 - EUM_Landing

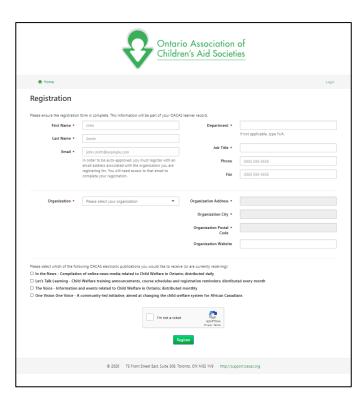




- Define all the extended properties of an Azure AD group
- Drives the workflows in the Landing application



www.ontariomd.ca



https://oacas.sharepoint.com/

| Below are some of the videos, resear | rch abstracts and books that have informed of Videos | our thinking and experiments. |
|--|---|--|
| A research example showing the promise of VR helping an individual with a SCI suffering neuropathic pain | Overview of the promise of VR helping to reduce pain Dr. Brennan Spiegel | Can Virtual Reality Ht Fight the Opioid Crist |
| | | |

https://www.vrxtherapy.org/

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http://eum.co

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

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

- Currently hiring for Content Marketing Specialist role
- <u>Careers</u> | Envision IT for more details!



Thank you!

Questions?



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