Unstructured vs. Structured Extranets in Office 365

Saturday, November 23, 2019

12 - 1 PM

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2008 Envision IT built custom Extranet solution

2009

2010

IMPACT AWARDS Winner

2011 Productization of code base begins

2012 Extranet User Manager (EUM) Installer created

2014 Office 365 support

2015 EUM Brand and Website launched

2016 Azure B2B support

2017 Channel Partner program launched

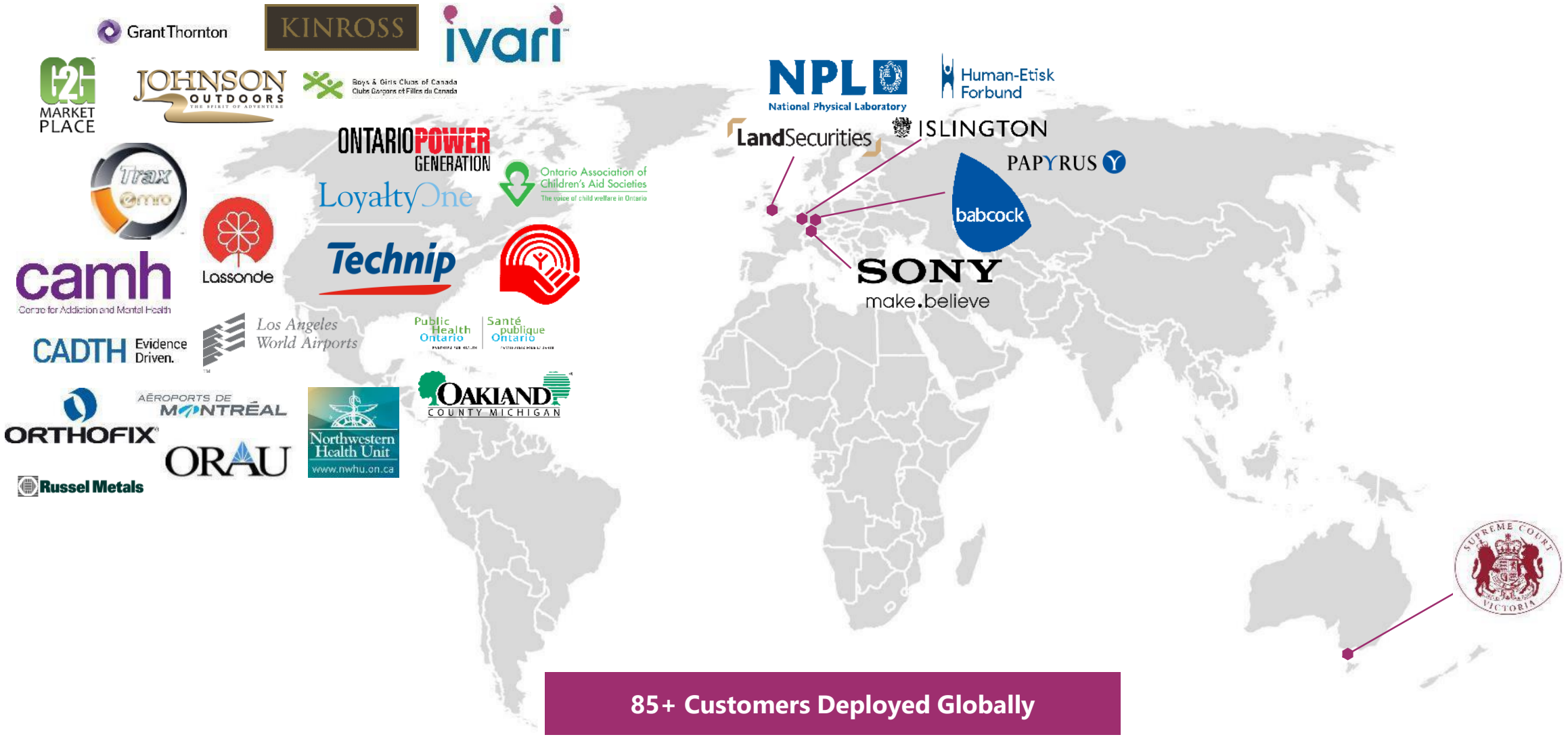
2018 EUM V4 Launched

2019 User-Centric EUM Login launched

METALOGIX BEST OF BREED

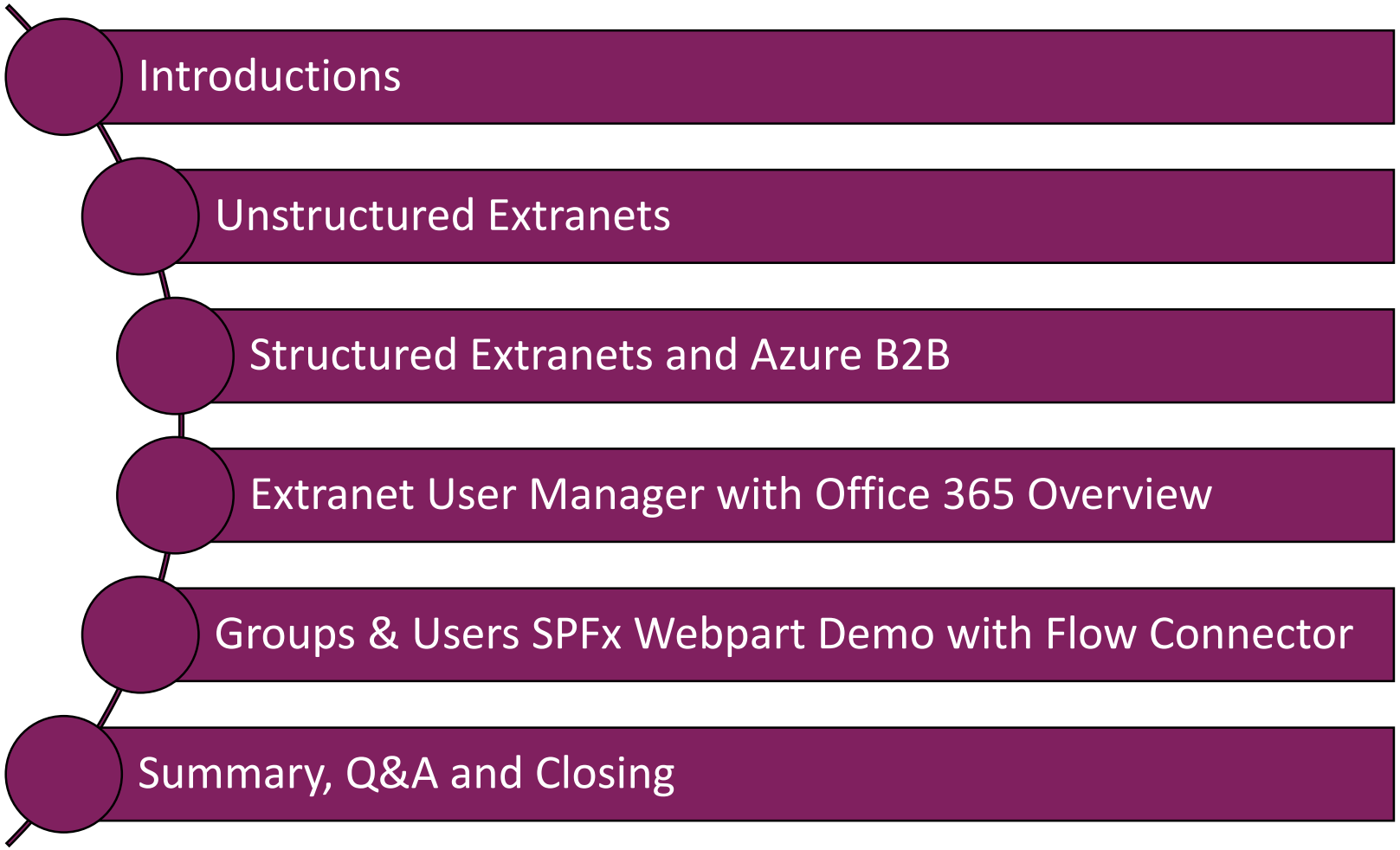
International Association of Microsoft Channel Partners™
Apps Development Partner Award 2015
WINNER - CANADA Region

Customers around the Globe



85+ Customers Deployed Globally

Agenda


Introductions
Unstructured Extranets
Structured Extranets and Azure B2B
Extranet User Manager with Office 365 Overview
Groups & Users SPFx Webpart Demo with Flow Connector
Summary, Q&A and Closing

Poll – Which do you use today?

Office 365

Microsoft Flow

Power BI

SharePoint On Premises

Styles of Extranets

Collaborative

- **Unstructured or structured**
- **SharePoint Online (Office 365) or on premises**
- **Collaborating on documents**
  - File upload and download
  - Editing
  - Various file types
- **Often project focused**

Publishing

- **One to many**
- **Typically structured**
- **Secure website**
- **May also have a public (anonymous) section**
- **Self-registration is common**
- **One way push of private content out**
- **Limited feedback**
  - Like and comment
  - File upload
- **Profile management**

Five Considerations for your Extranet

1. **Who will be accessing the extranet? Is there a member database to interface with?**

- Members
- Customers
- Vendors
- Suppliers
- Volunteers
- Board of Directors
- Citizens
- Researchers
- Tenants
- Partners

Five Considerations for your Extranet

1. Who will be accessing the extranet? Is there a member database to interface with?
2. **Self-registration option or invitation only? Who approves new registrations?**

Invitation Only

- Smaller, known set of users
- Private registration links can be shared with potential users
- Managed centrally or delegated

Self Registration

- Onboarding hundreds or thousands of external users
- Approval workflows
- Auto-approvals
- Delegation

Five Considerations for your Extranet

1. Who will be accessing the extranet? Is there a member database to interface with?
2. Self-registration option or invitation only? Who approves new registrations?
3. **How will your extranet users authenticate?**

- Email and password
  - Self-service password reset
- Office 365 / Azure AD
- Microsoft Account
- Google
- Facebook
- LinkedIn
- Twitter

Five Considerations for your Extranet

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

- Accessing published content
- Collaborating on specific documents
- Accessing team or project sites
- Becoming full-fledged members of Office 365 Groups or Teams

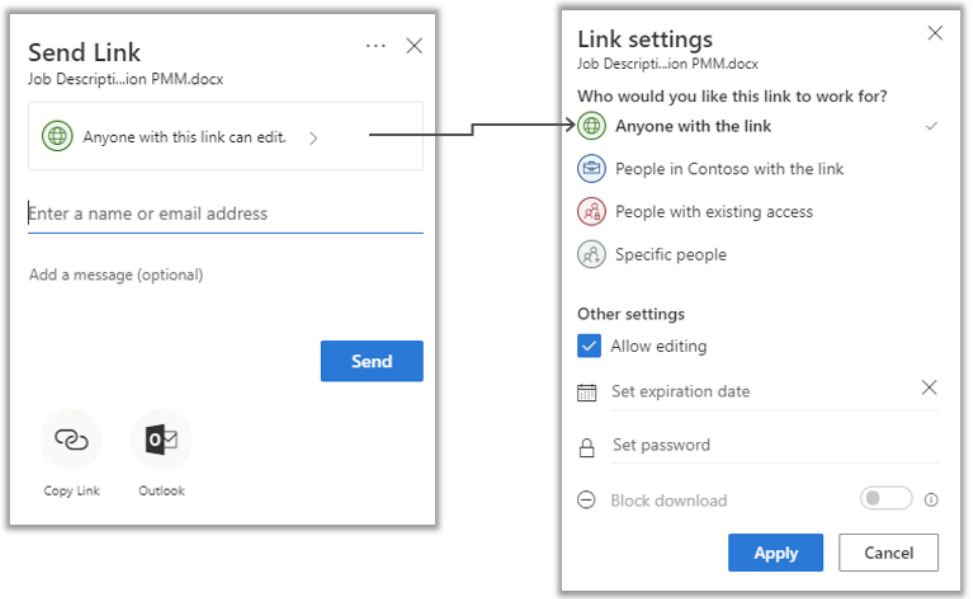
Five Considerations for your Extranet

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

- Office 365 - SharePoint Online, OneDrive for Business
- Office 365 Groups – Teams, Planner, Yammer
- Other Office 365 Apps - Power BI, Stream, PowerApps, Flow
- SharePoint On Premises
- Third Party SaaS Applications
- Custom Applications – On Premise or Cloud

Unstructured Extranets with Office 365 External Sharing

- **External Sharing in Office 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



Office 365 External Sharing OOTB

1. Who will be accessing the extranet?
2. Self-registration option or invitation only?
3. How will your extranet 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. Office 365 / Azure AD, Microsoft Account, One Time Passcode, Gmail
4. Any interactions
5. Office 365 only

Admin controls for external sharing

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

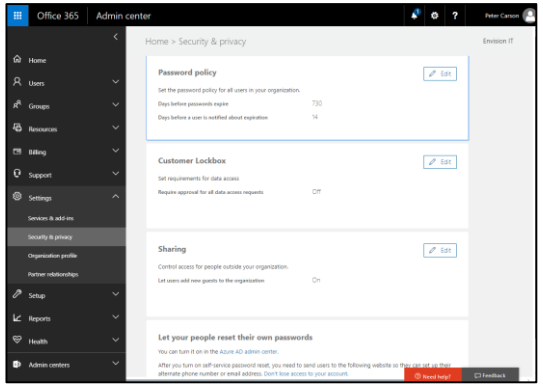
Control WHAT can be shared externally

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

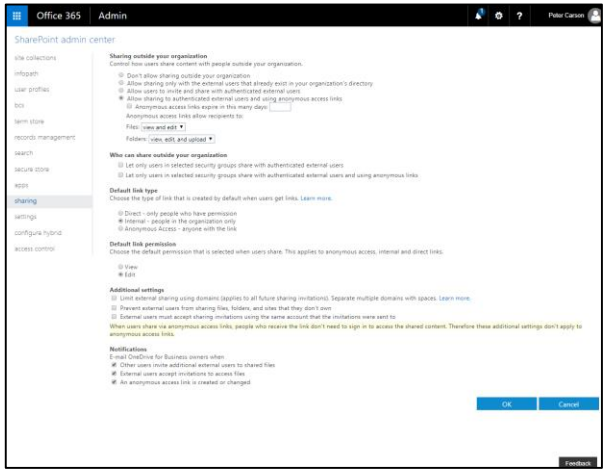
Control HOW externally shareable links can be used

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

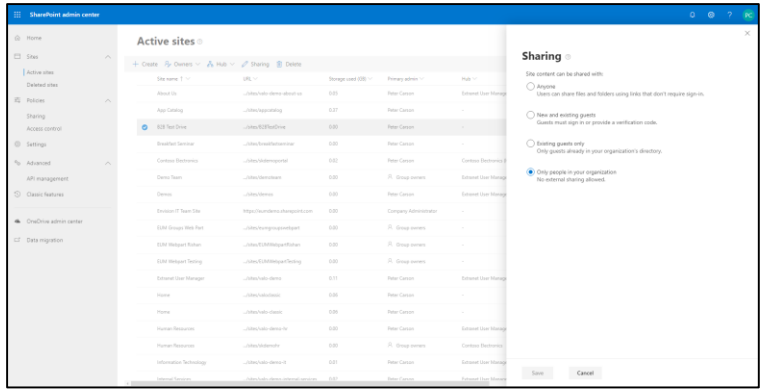
Three Places to Configure External Sharing



Office 365 Admin



SharePoint Admin



Site Collection Admin

PowerShell

Scenario: simple external sharing

I’m sending sales materials to a customer

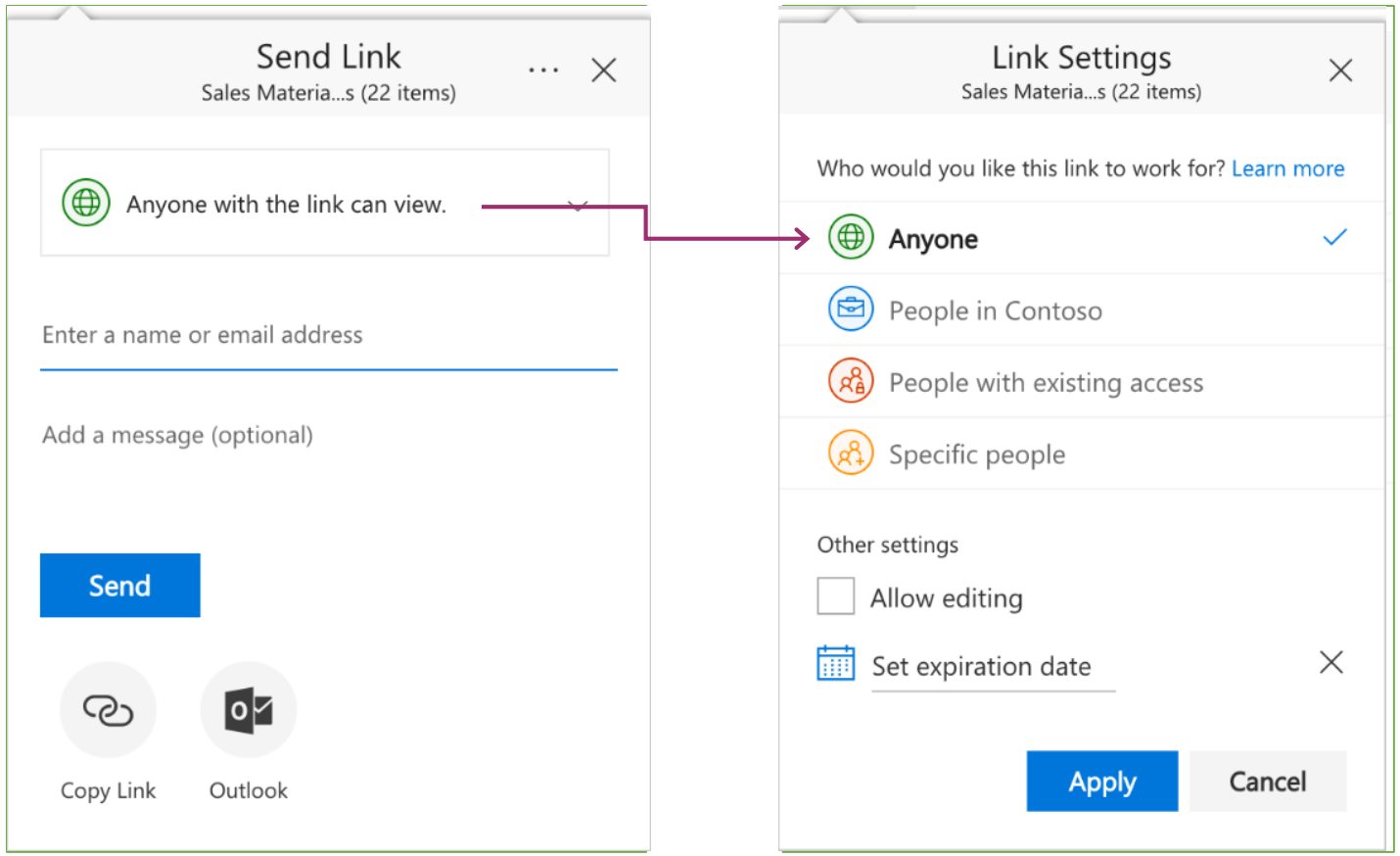
Make it **easy** for them

Don’t make them sign-in

Don’t make them create an account

Let them forward it to whoever they want

Shareable Links



- Link works for anyone who has it
- Like an attachment
- Can be read-only or editable
- Can set an expiration date
- Recipients decide who else gets access
- Guaranteed to open for anyone who receives it, on any device
- Share with anyone easily via email, chat, social, etc. No frustrating errors or sign-in/up

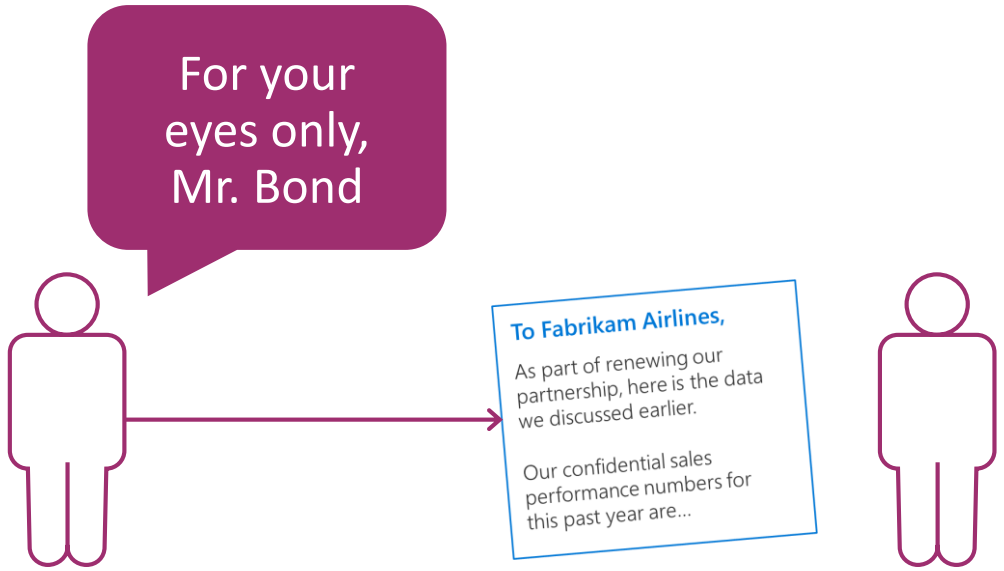
Scenario: Secure External Sharing

- **I want an external partner to review my secret document**

To Fabrikam Airlines,

As part of renewing our partnership, here is the data we discussed earlier.

Our confidential sales performance numbers for this past year are…



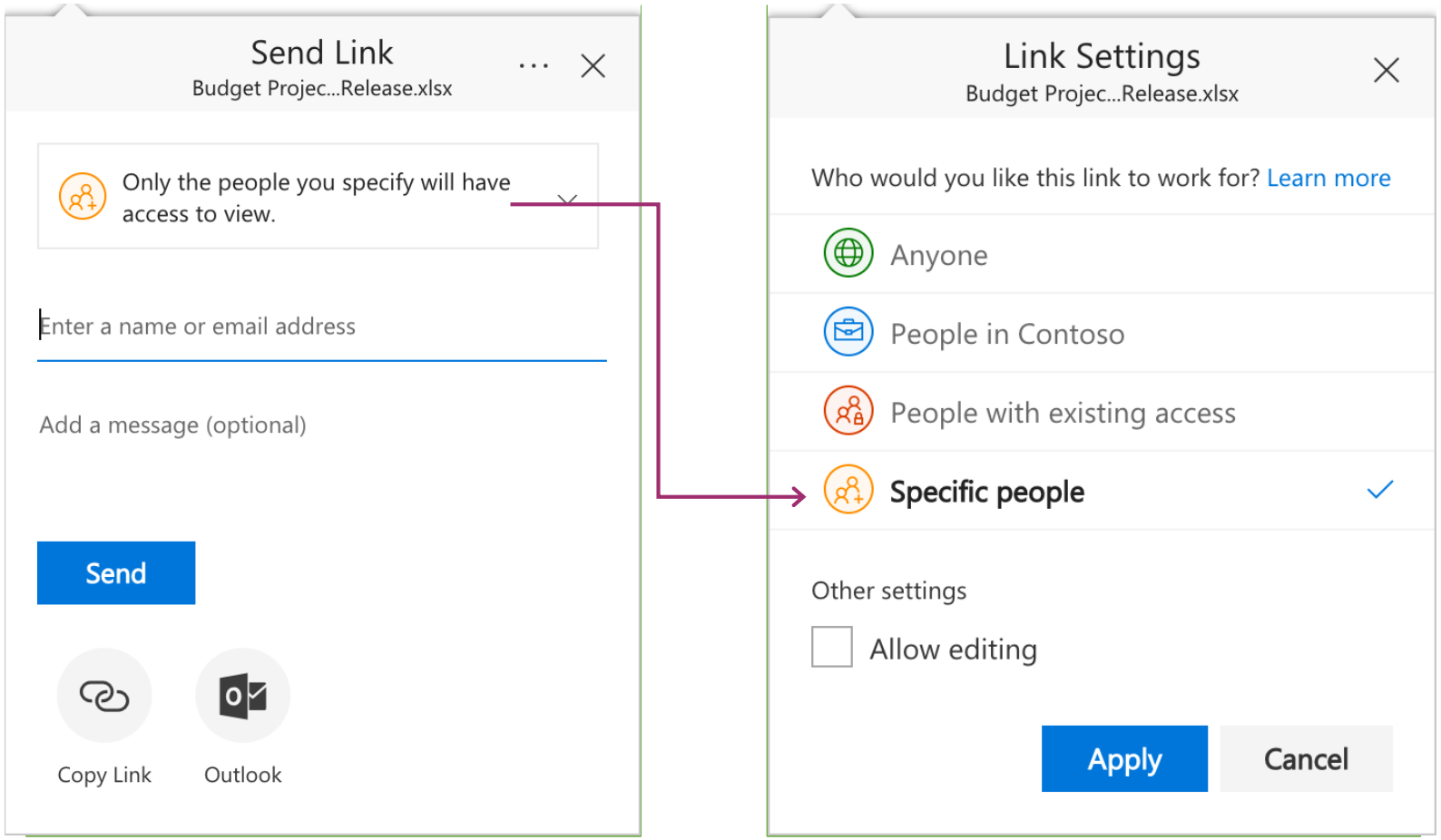
Make it **easy** for them

Minimize effort to open the link

Keep it **secure**

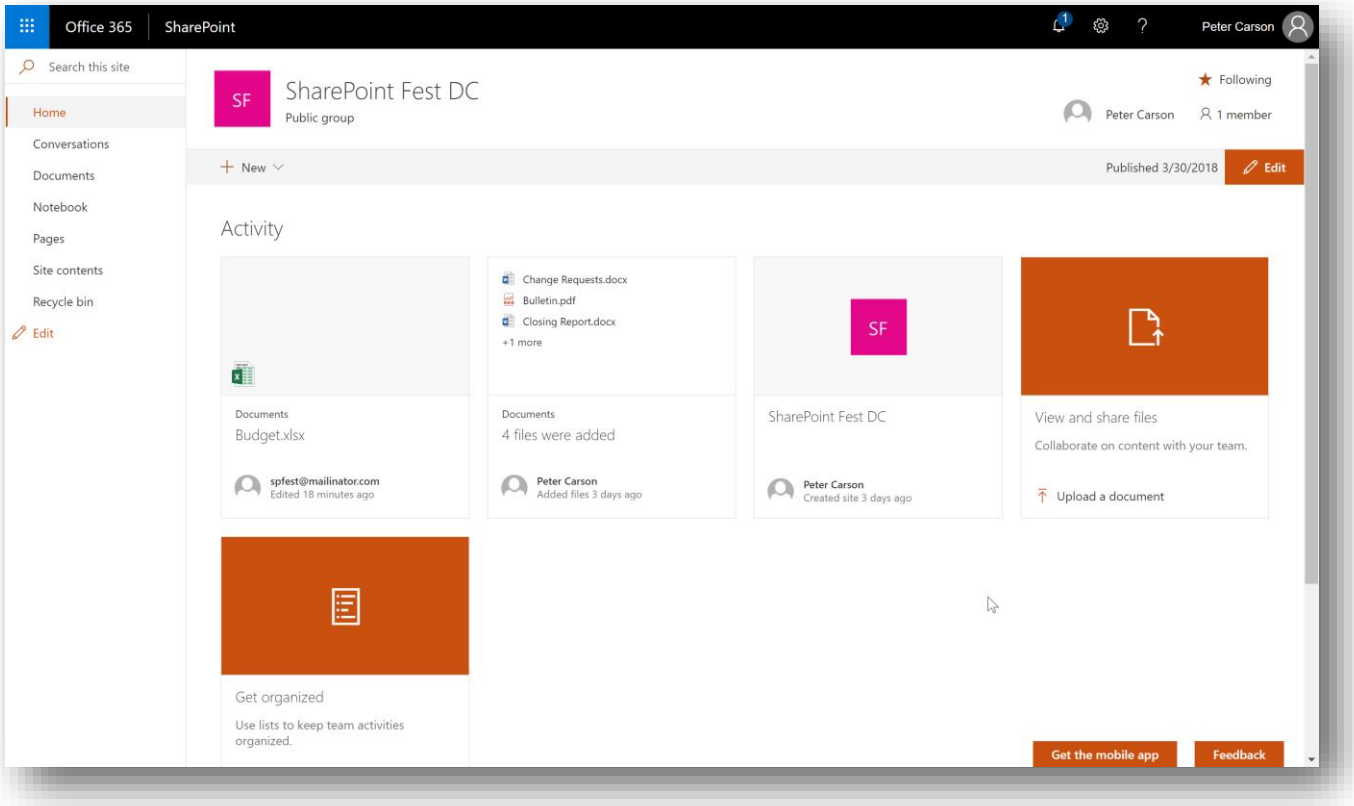
Don't let them forward it to anyone else

How to:



- Send a link that works for only specific people
- A non-transferable, revocable secret key
- Users must prove they're the intended recipient
- Internal users and guest users must be signed in to their existing account
- External users verify with a one-time passcode

External Sharing at the Site Level



- Invite external users or groups at the site, list, or library level
- Managed through regular SharePoint permissions
- External users need to sign in

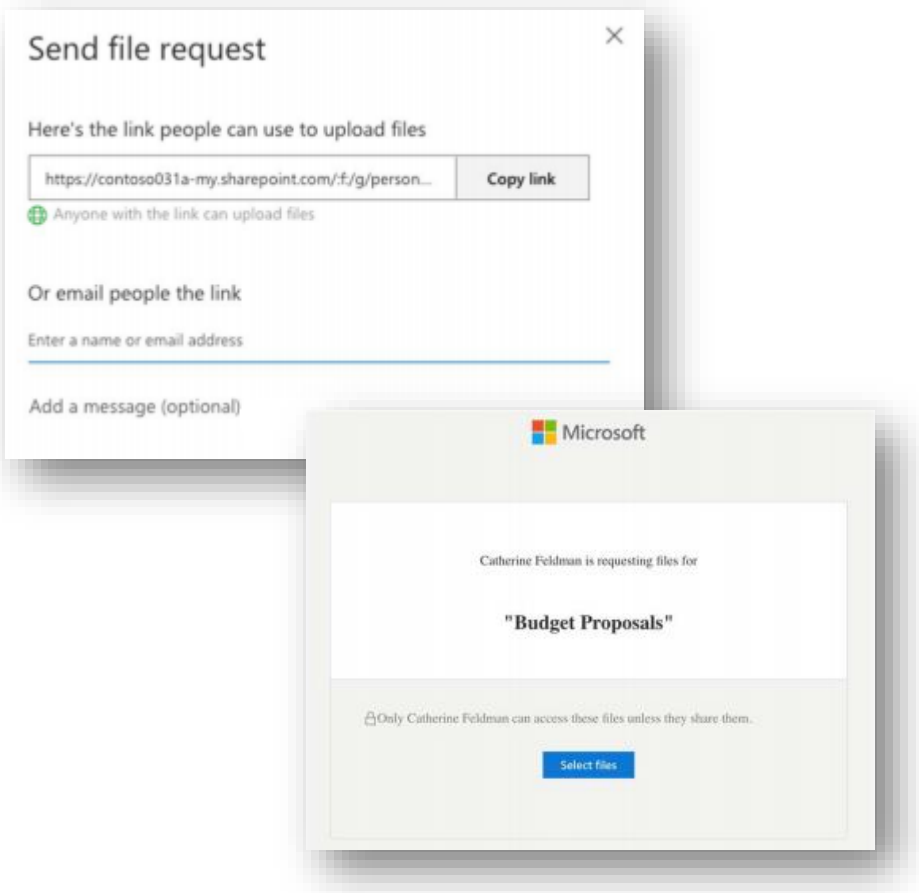
Making the News!

Exclusive interview with Mark Kashman and Stephen Rice of the Microsoft SharePoint Team

eum.co/resources/articles/external-sharing-interview-with-the-sharepoint-product-team

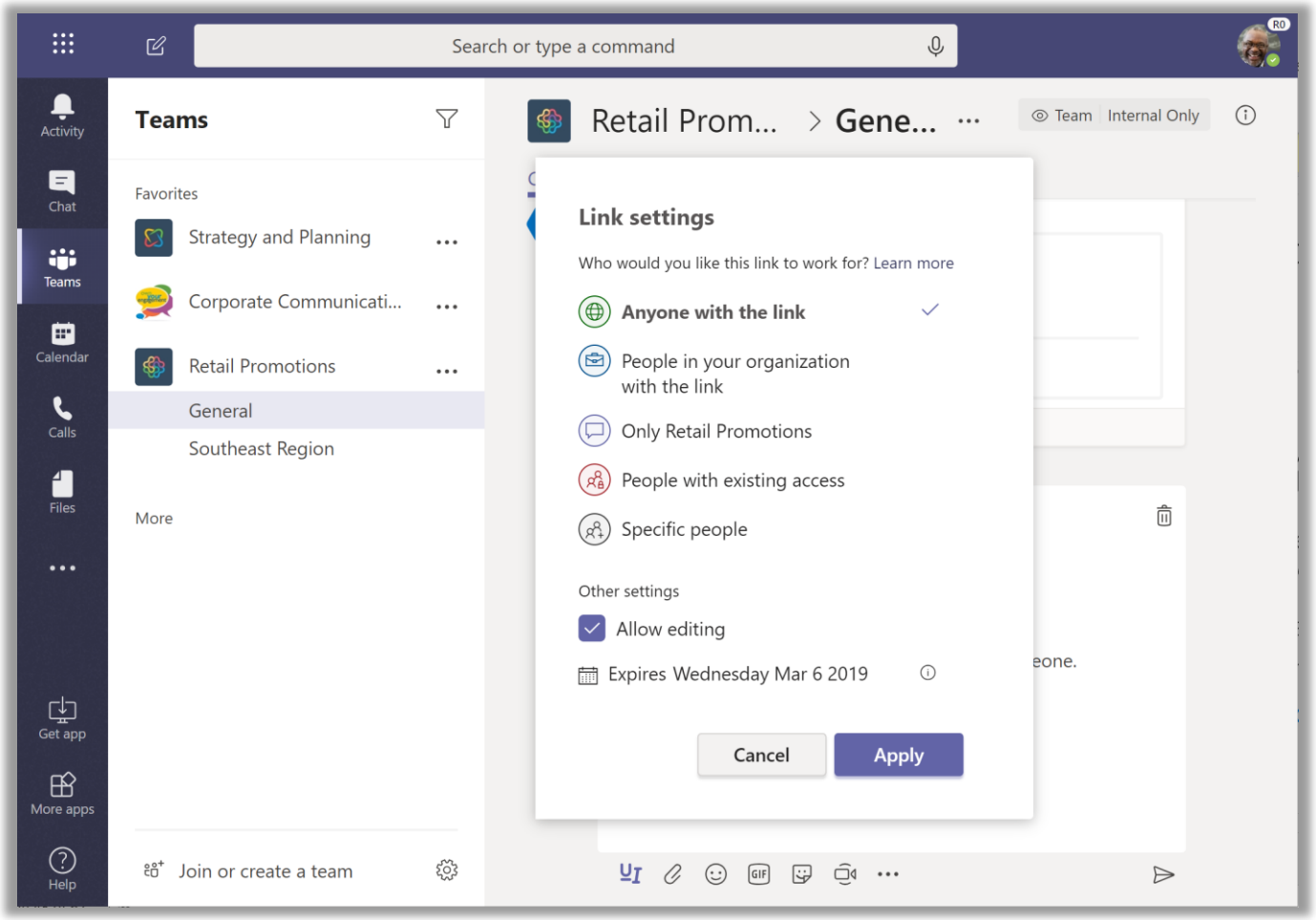
New External Sharing Announcements from SPC 2019

- **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



eum.co/resources/articles/external-sharing-announcements

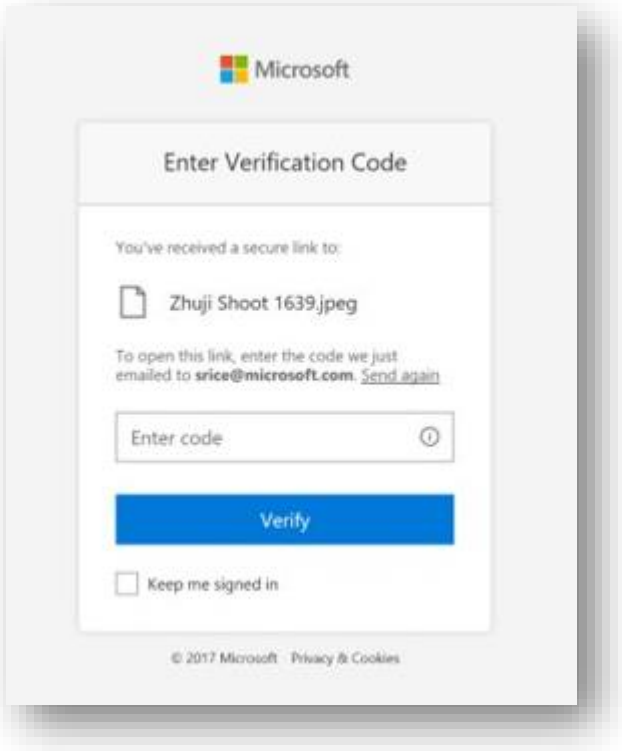
NEW! OneDrive sharing in Microsoft Teams



- Complete set of sharing features in Teams
- Share files without creating unintended copies
- Easily create links that only work for people in your team
- Follows all admin settings and policies you've configured
- Coming soon

New External Sharing Announcements from SPC 2019

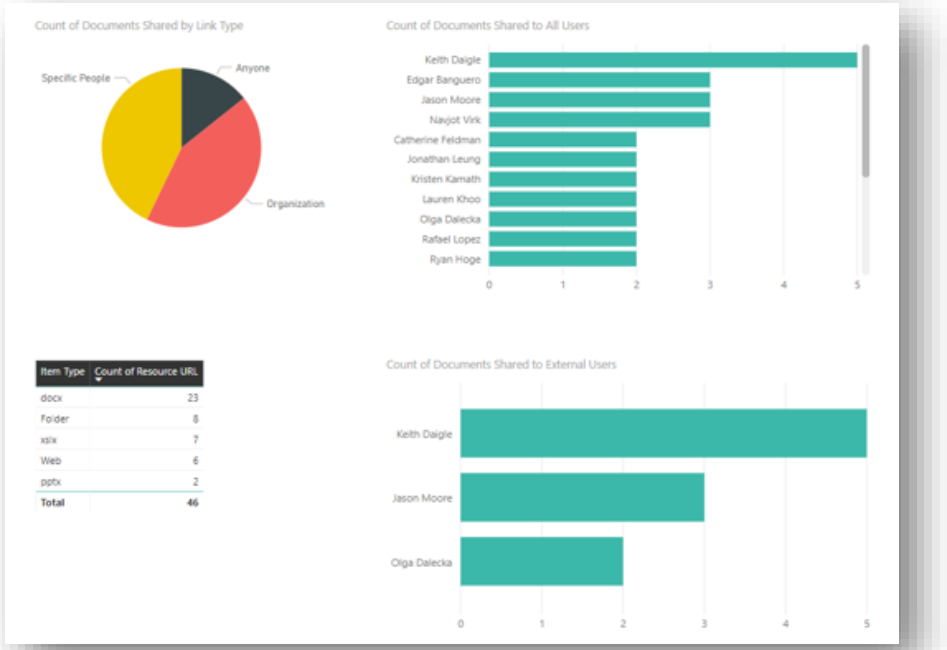
- **Deeper Integration with Azure AD B2B**
  - External users can sign in with One Time Passcode (OTP) to verify they own the email address
  - Able to utilize premium Azure AD functionalities
    - Conditional access
    - Multi-Factor Authentication
    - Google auth federation



eum.co/resources/articles/external-sharing-announcements

New External Sharing Announcements from SPC 2019

- **Enhanced Sharing Reports**
  - Access a list of unique permissions on a given site collection
  - Export report to a csv. file and import into PowerBI or Excel to build sharing dashboards



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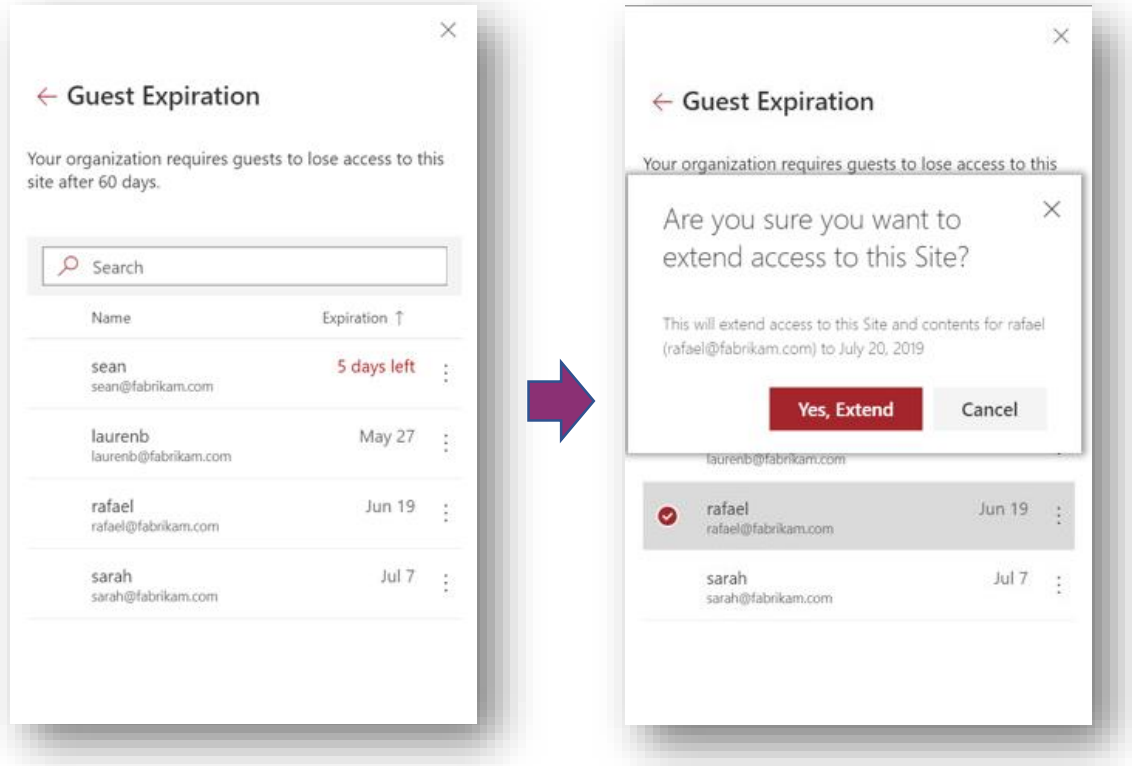
New External Sharing Announcements from SPC 2019

- **Expiring external access**
  - Site admins can define how long a guest user has access to site contents
  - IT access policy defined at the organization level (ie. All users will lose access after 60 days)
  - Site admin can extend access for users expirations if additional time is permitted



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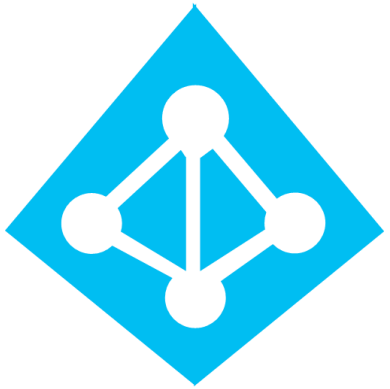
Structured Extranets

- **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

Azure AD B2B and Office 365



- Azure Active Directory Business to Business
- Allows external users to access Office 365 and any other system exposed through AAD
- Completely free for external users in Office 365
- 1:5 licensing ratio only applies to Azure AD Basic and Premium features
- Invite as many external users as you'd like

Azure AD B2B Onboarding Experiences

Existing Office 365

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

No Azure AD Account

- One time passcode
- Emailed at sign-in
- Valid for 10 minutes
- Low friction, no new account to setup or password to remember
- Validates at each sign in that they still own the email address

G-Suite User

- Federation with Google accounts now also supported
- Same seamless login experience as Office 365

Structured Extranets

When to use….

External Sharing

- Sharing with a few people
- Co-authoring on individual documents
- You are the sole administrator of permissions
- Eliminate the use of other shadow IT within the organization

Azure AD B2B (and optionally EUM)

- Sharing with many people with granular permission sets
- Self service functionalities like Self Registration, My Profile, etc.
- Delegation to the business owner to administer and manage sites they own as well as tier 1 service desks
- Link into automated site provisioning process
- Integration to other LOB systems

Three Structured External Sharing Scenarios

Invitation Only

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

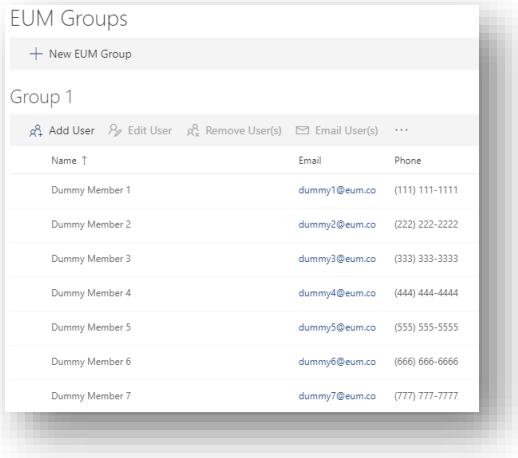
Private Registration

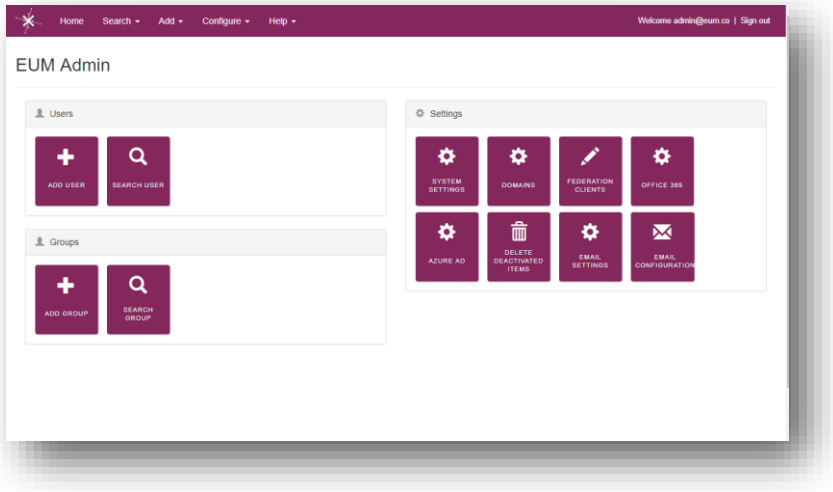
- Business owner knows someone who knows who to invite
- Private registration link that is not easily guessed
- Can be forwarded any number of times
- May or may not want approvals on registration
- May auto-approve based on email domain

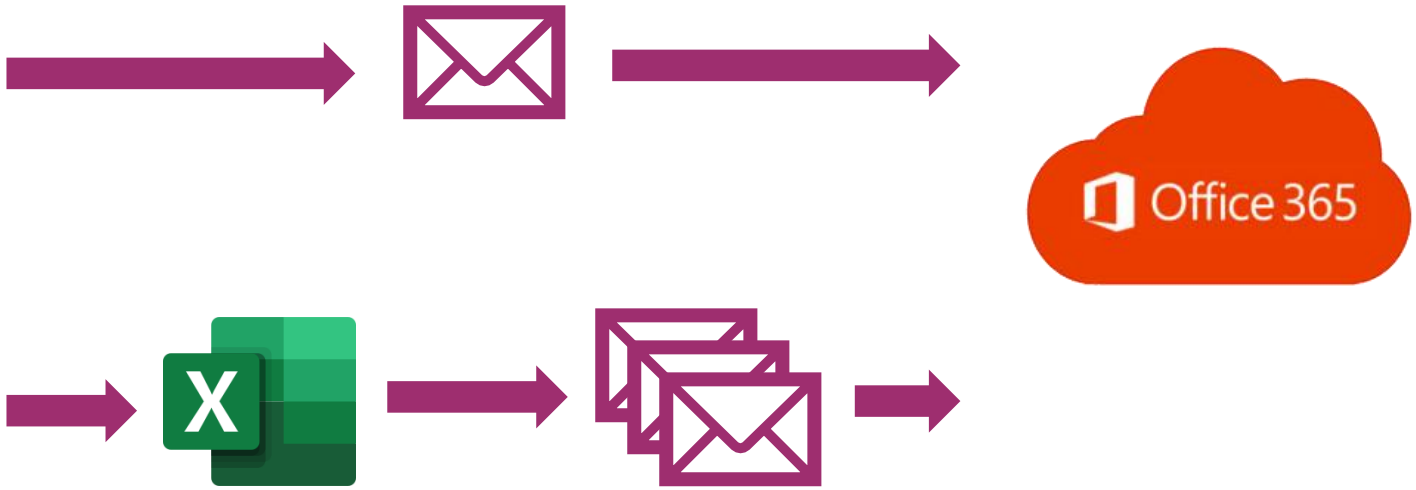
Public Registration

- 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

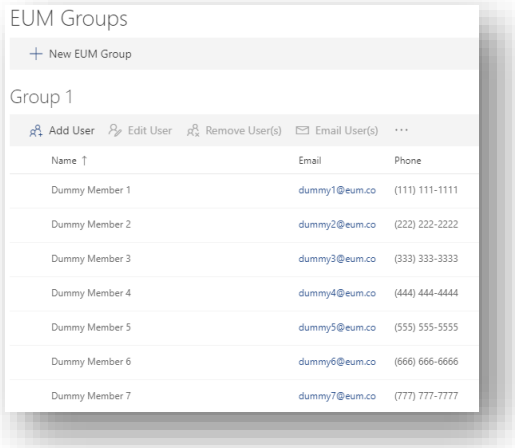
Invitation Only

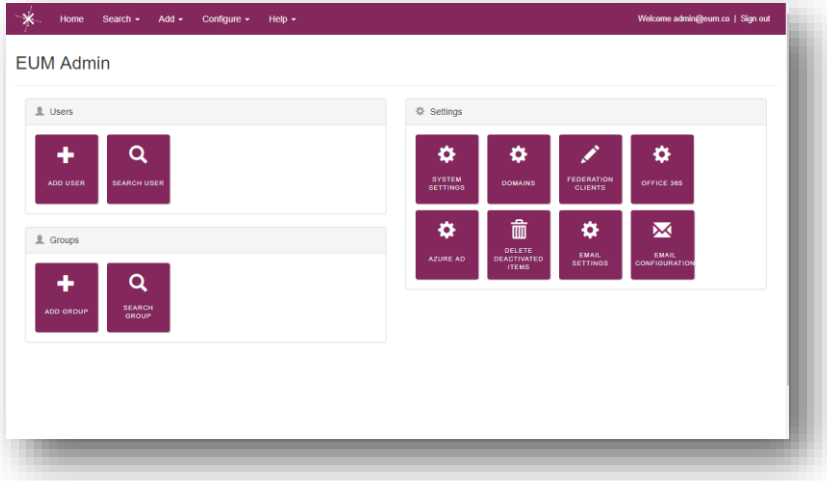


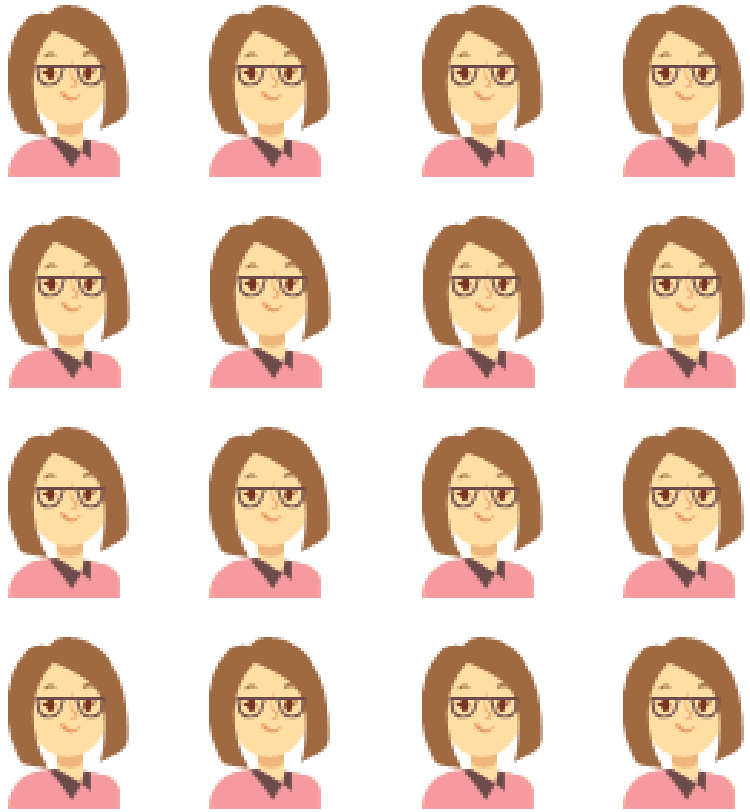




Private Registration







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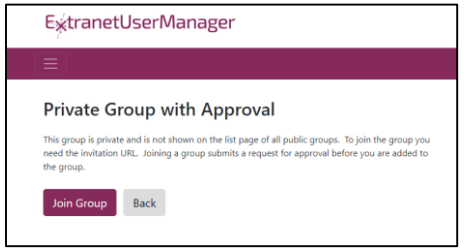
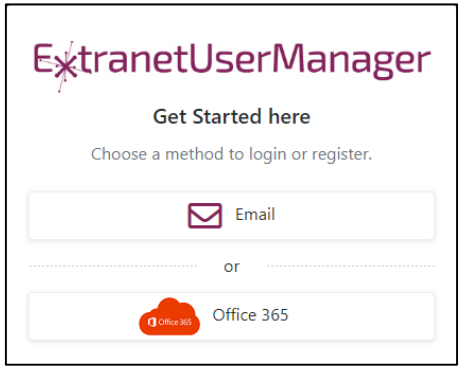
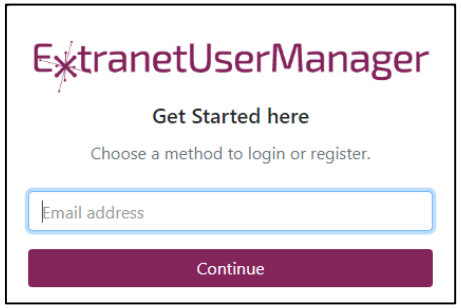
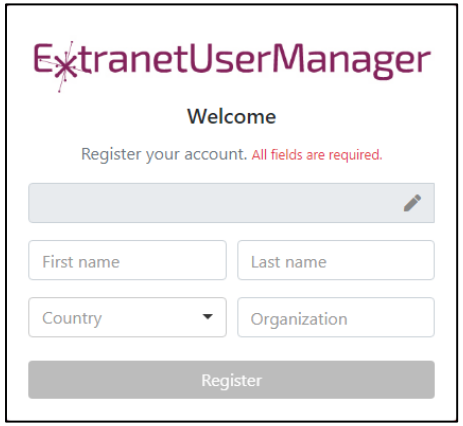
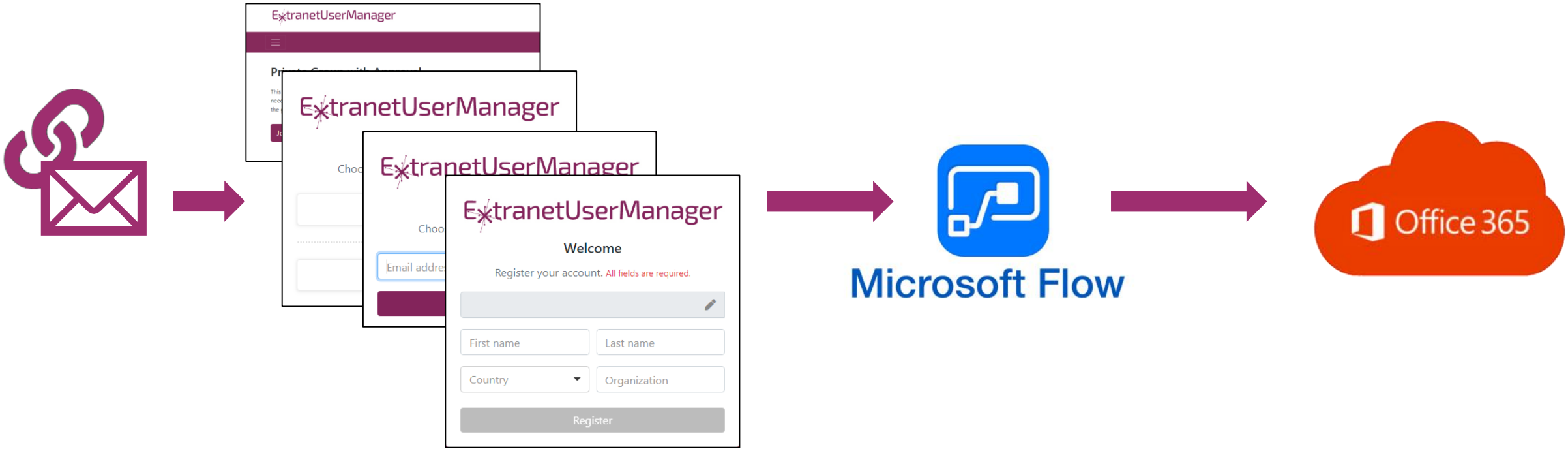




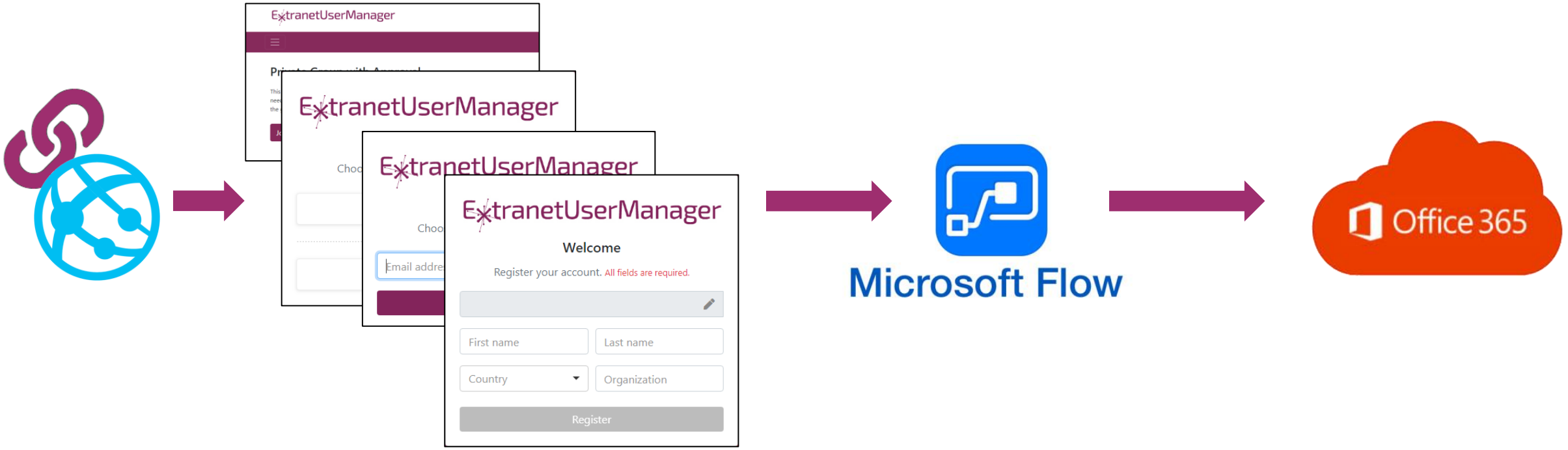




Private Registration



Public Registration



Demo – Office 365

Registration through to Login

Demo Scenario http://eum.co

- **Test Drive Shortcut Path at http://eum.co**
  - Simple flow from self-registration to signed in
  - Join a public group with auto-approval
  - Immediately access our live Office 365 demo SharePoint Online site as a guest
- **External users**
  - Setup in Azure B2B
  - Authenticated through Azure AD login form
  - Users managed with Extranet User Manager
- **Cash Prize Contest**
  - Complete the Shortcut Path
  - Fill in the short five question survey

Extranet User Manager

Upcoming Events

Monday December 2, 2019
Microsoft Meadowvale

http://bootcamp.tspug.com

Extranet User Manager Webinar – Learn How to Enhance Security of Your Office 365 Extranet

Tuesday December 3, 2019
12 pm – 1 pm EST

Eum.co/events

SharePoint Fest Chicago 2019
December 9 - 13, 2019

https://sharepointfest.com/Chicago/

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SPS TORONTO 2019

SharePoint Saturday Toronto #SPSToronto

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2019

Toronto Community

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(meetup.com/torontospug/)

Toronto SharePoint Business
(meetup.com/tspbug/)

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North Toronto Cloud & DevOps
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Toronto Nintex User Group
(meetup.com/TorontoNintexUG/)

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Toronto Power Platform
(meetup.com/Toronto_Power_Platform_UG/)

SPS TORONTO 2019

Thank you
Toronto community!

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Learn new ways to code, optimize your cloud infrastructure, and modernize your organization with deep technical training.

- **Learn:** Find new ways to migrate legacy workloads, dive deep into the latest cloud technologies, explore innovative client development techniques, discover new ways to manage your infrastructure, and more.
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ExtranetUserManager

What is a learning path?

A learning path is a series of connected learning modules that includes sessions, hands-on experiences, technical workshops, certifications, and expert connections. Each learning path works together to build upon what you've learned to provide a comprehensive set of skills to help you reach your goals.

01

Azure fundamentals
Understand cloud concepts and core services including storage, pricing, compute, messaging, networking, data, and identity and cloud security.

02

Building applications for the cloud
Learn how to build your applications and APIs with cloud services in mind, creating resilient, fault-tolerant, and scalable global services.

03

Meeting organizational compliance requirements
Leverage the intelligent and integrated Microsoft solutions to help your organization achieve its compliance goals.

04

Deploying and managing Windows and Office in your enterprise
Learn how to transition your organization to the latest and most productive desktop environment—and simplify the process of keeping your devices secure and up to date.

05

Developer's guide to AI
We'll introduce cognitive services, then graduate into machine learning for developers, finally deploying a machine learning model into production to be consumed by simple web services.

06

Developing integrations and workflows for your productivity applications
Integrate critical business processes into experiences across Microsoft 365 to transform productivity in your organization.

07

Dynamics 365 fundamentals
Learn how to increase your organization's productivity across business groups, enabling efficiencies and business processes that pave the way for innovation and personalized experiences.

08

Enabling everyone to build and modernize apps without code
Inspire everyone to build apps without risk and simplify app development. Hear how to deploy quickly, add value, and integrate all your data with just a few clicks.

09

Governance and administration of your Power Platform solution
Tips to overcome common blockers, security questions, and monitoring requirements. Hear about monitoring and supporting the Power Platform with strategies and best practices to help land low-code powered digital transformation.

10

IT administrator's guide to cloud management
Learn how to navigate the latest updates in IT admin experiences to effectively manage your organization's users, applications, and devices.

11

Journey to Microsoft Teams
Build a collaborative workforce for your organization, bringing together everything in a shared workspace where you can chat, meet, share files, and integrate business applications.

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Managing cloud operations
Learn how to define governance, security, and policies within Azure for your organization. Regulate and organize your Azure subscription to achieve compliance and set up guard rails for cost and regional structure.

13

Migrating data, applications, and API's to the cloud
Migrate and modernize workloads and live databases to the cloud without interruption. Take advantage of application auto scaling and built-in database threat protection. Use pipelines to build and deploy solutions faster and safer.

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Modernizing operations practices and learning from failure
Learn how to apply modern operations practices across the entire software development lifecycle. Explore the toolset Azure offers to support engineering processes and enable your team to iterate faster and more reliably.

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Modernizing your server infrastructure
Cloud adoption starts with assessing your current environment and upgrading to Window Server 2019. This enables an entire hybrid ecosystem not previously available and simplifies migrating Window Server and SQL Server into Azure.

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Securing your organization
Learn how to protect your organization's identities, data, applications, and devices across on-premises, cloud, and mobile—end-to-end—using the latest tools and guidance.

Thank you!

Questions?