

Safe Sharing with **Purview Information Protection and the Traffic Light Protocol**

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 User Group



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3 Key Takeaways

Sharing will happen but will it be safe?

Microsoft 365, properly configured, can be both secure and simple

Start small and build from there

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About Us

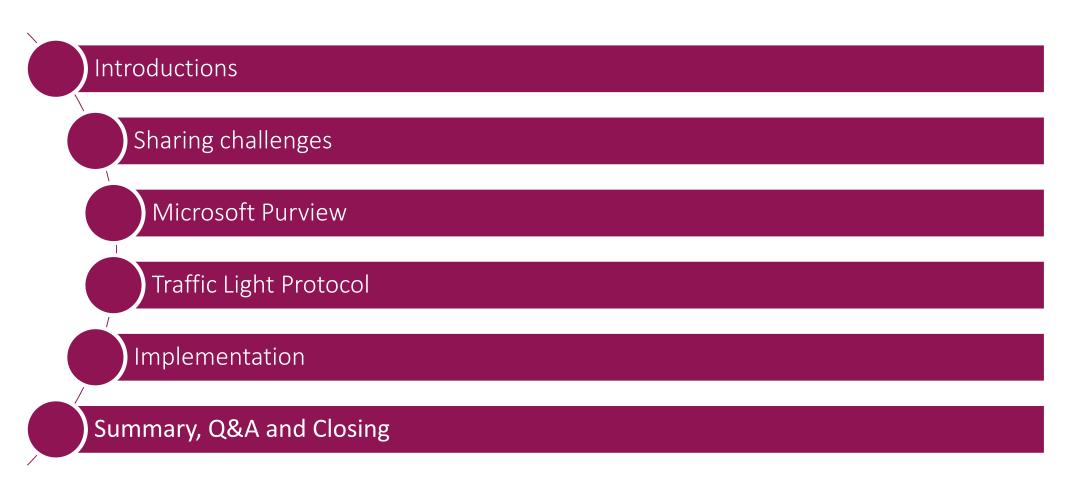
- Established in 2008 in Toronto, Canada area
- Brand of software products owned by Envision IT Inc.
- Leader in the Microsoft 365 space and a Microsoft Partner for 10+ years



We Make Microsoft Simple

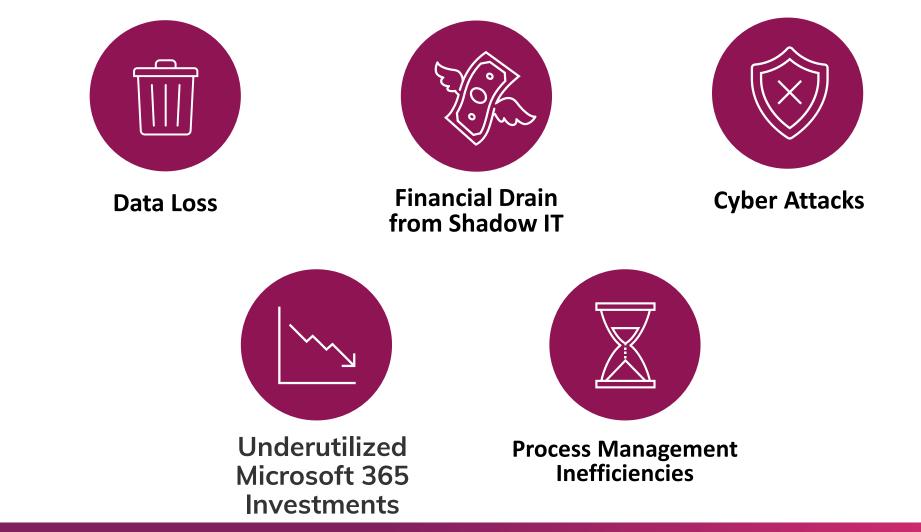
- We make Microsoft simple for organizations to connect with their external stakeholders
- An exceptional user experience lets businesses collaborate with external stakeholders and maintain Microsoft security.
- IT is involved at the beginning, ensuring a seamless integration, while the business can focus on what really matters – **getting the job done**.

Agenda



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The Hidden Costs of Insecure Sharing



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The Choices for 'Under the Radar' Sharing are Endless



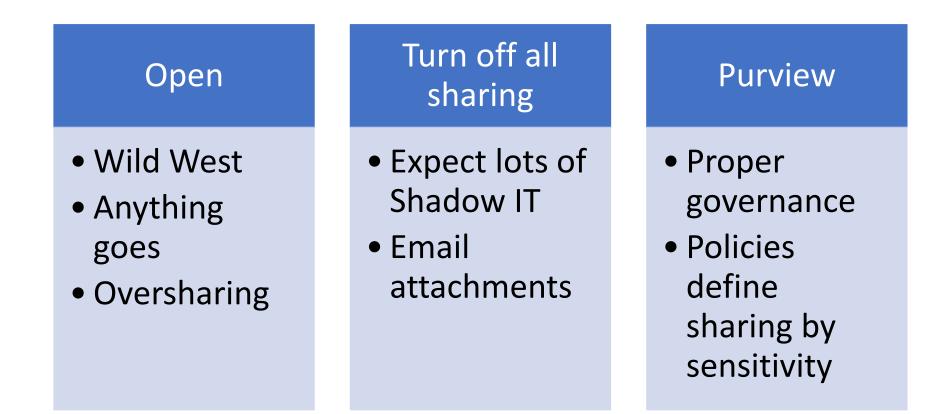
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Why Microsoft 365?

- It's the place your employees are already working
- Users are more likely to use platforms they already understand and trust
- Robust security features, with continuous investment in state-of-the-art cybersecurity measures.
- Extensive compliance certifications

Sharing Options in Microsoft 365



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Microsoft Purview

- **Unified Data Governance**: Provides a comprehensive platform for data governance across hybrid and multi-cloud environments.
- **Data Discovery & Classification**: Enables automated scanning, classification, and cataloging of data assets.
- **Integration**: Seamlessly integrates with Azure Synapse, Power BI, and Microsoft 365 for enhanced governance capabilities.
- **Compliance & Security**: Helps organizations meet compliance requirements and protect sensitive data through features like data loss prevention, eDiscovery, and risk management.



Purview Labels

Retention

- Manage lifecycle of data
- Specify how long content should be kept and then what actions should be taken
- Ensure compliance with regulations and internal policies
- Typically many (could be hundreds) of labels

Sensitivity

- Designed to protect sensitive information
- Classifying and secure
- Control how content is handled and shared
- Small number of labels

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Microsoft Purview Information Protection

- Discover, classify, and protect sensitive data
- Data Discovery
 - Identify and classify sensitive data
 - On-premises, in the cloud, or in hybrid environments
- Sensitivity Labels
 - Apply labels to data to enforce protection policies like encryption, access restrictions, and visual markings
- Data Loss Prevention (DLP)
 - Prevent data breaches by using DLP policies to monitor and control the sharing of sensitive information
- AI-Powered Classifiers
 - Use AI to accurately classify data based on content and context, enhancing the precision of data protection measures



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Purview Licensing Recommendations



Microsoft licensing is never a simple topic, and Purview is no exception. A few good resources to help navigate this are: Microsoft Compliance and Information Protection Licensing Guide All About Microsoft Purview Sensitivity Labels Microsoft 365 Licensing



The simple version: users require E3 or above to apply a label manually, while automatic policy-driven application of labels requires E5

Microsoft 365 E3 or E5 compliance licenses can be added to other licenses

Copilot Readiness



Permissions

Oversharing is common

Copilot will incorporate any content you have access to

Permissions review is key prior to launching Copilot



Sensitivity

Without labeling Copilot doesn't know the sensitivity of content it is using

Users need to be informed if sensitive content is incorporated in their generated content

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Traffic Light Protocol: Simplifying Sensitivity Labels in Microsoft 365

The **Traffic Light Protocol (TLP)** is a classification system that uses color-coded labels to categorize and control the sharing of sensitive information.

- Developed by the UK's National Infrastructure Security Coordination Centre in the early 2000s
- Encourages sharing of sensitive information
- Adopted by the US Cybersecurity and Infrastructure Security Agency (CISA)
- Not a technical solution and not part of Purview



TLP Labels and their Meanings

TLP: Red+Strict

Not for disclosure, restricted to participants only.

TLP: Red

TLP: Amber

Not for disclosure, restricted to participants and clients only.

TLP: Amber+Strict

Limited disclosure, restricted to participants organization. Limited disclosure, restricted to participants organization and clients.

TLP: Green

Limited disclosure, restricted to the community.

TLP: Clear

Disclosure is not limited.

- Red: Most sensitive information; requires MFA and document encryption
- Amber: Sensitive information; external sharing allowed with MFA
- Green: Less sensitive; accessible to guests without MFA
- Clear: Public information; accessible without restrictions

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TLP and External Access in Microsoft 365 a suggested implementation of TLP for defining guest access in Microsoft 365:

TLP	External Access	Guests Require MFA	Document Encryption	M365 Member Licensing
Red+Strict	No	N/A	Yes	E5
Red	Yes	Yes	Yes	E5
Amber+Strict	No	N/A	No	E3
Amber	Yes	Yes	No	E3
Green	Yes	No	No	E3
Clear	Yes	No	No	N/A

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TLP Green



- Low sensitivity content
- Can be shared externally
- No MFA requirement for external guests

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TLP Amber



- Medium sensitivity content
- Can be shared externally
- External guests require MFA
- Strict doesn't allow external sharing

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TLP Red



- High sensitivity content
- Can be shared externally
- External guests require MFA
- Office and PDF documents are encrypted
- Strict doesn't allow external sharing

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Benefits of TLP in Microsoft 365





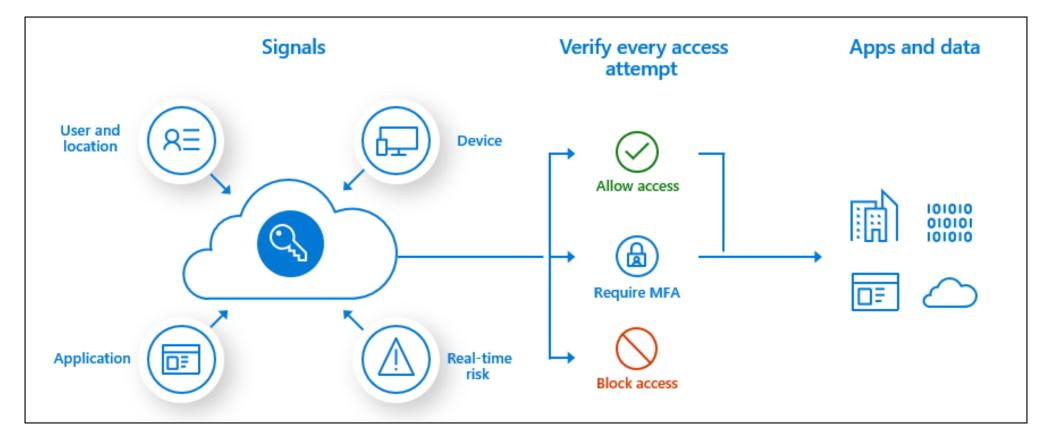


Secure external sharing with appropriate MFA and encryption Clear, consistent classification for sensitive data

Enhanced governance and protection via Microsoft Purview

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Conditional Access Policies



Set up Microsoft Entra Conditional Access | Microsoft Learn

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Authentication Context

Sensitivity Label

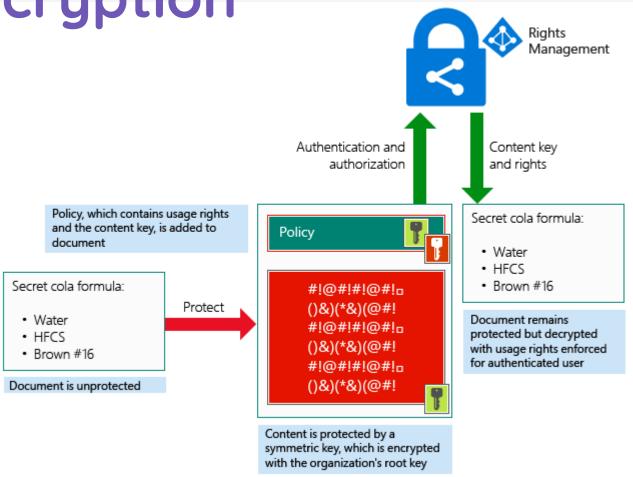
• Defined in Purview Authentication Context

 Connects labels and policies Conditional Access Policy

 Defined in Entra ID

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Data Encryption



How Azure RMS works - Azure Information Protection | Microsoft Learn

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Phase One Implementation of Purview



- 3. Build Conditional Access Policies —
- 4. Inventory and Label Existing Sites

Create policies that apply the correct access control based on membership and guest status.

Audit current SharePoint and Teams sites, applying appropriate labels based on their sensitivity.

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Phase Two Implementation of Purview

- 1. Define Content Labels
- 2. Apply Access Controls & Document Marking
- 3. Set Default Label Rules
- 4. Configure Azure Services
- 5. Auto-Labeling
- 6. Implement Add'l Authentication _____ Contexts

Extend TLP sensitivity labels to individual documents by configuring Purview to recognize and protect highly sensitive content.

Configure Azure Information Protection and Rights Management to enforce encryption and granular permissions.

Link document labels to container-level labels, ensuring documents inherit sensitivity levels from the SharePoint site or container they reside in.

Set up Azure Information Protection and Rights Management for automatic labeling and encryption of Red-level documents.

Enable automatic labeling based on predefined conditions, using E5 licensing for consistent protection.

Add further conditional access policies to provide secure external access and MFA based on sensitivity.

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Midsize Ontario City

Large Scale M365 Implementation

- Governance Solution for Teams/SP
 - Proliferation of Ad Hoc Teams and SP Sites
 - Leverage Properly Defined SP & Teams Structure
 - Migration into New Structure
 - Multiple Meetings with large number of groups for planning purposes
 - Actual Migration

Teams First IA

- Logical organization of Content
- Intuitive Navigation, Search
- Teams, Hub sites, SharePoint

Adoption & Governance

- Orchestry for M365 Adoption and Governance
- Templates, Provisioning
- Self-service
- End-to-end lifecycle Management
 - Templates
 - Approvals
 - Policies for Naming Conventions
 - Archiving
- Policy Enforcement
- User Management

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Federal / Provincial / Municipal Agencu

Large Scale ECM Implementation

- Previously completed ECM Strategy engagement
- Defined new modern IA
- Migration into New Structure
 - Multiple Meetings with large number of groups for planning purposes
 - Actual Migration

Purview Implementation

- Information Protection Workshop
- Configuration of Microsoft Purview sensitivity labels
- Entra ID Authentication Contexts and Conditional Access Policies
- Rights Management for document encryption and watermarking
- External sharing strategy and information architecture
- EUM Data Room POC with trial license

Adoption & Governance

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Provincial Healthcare Agency

SharePoint Online Migration

- 19 SharePoint on premises farms 2010 through 2016
- Migrating into SharePoint Online
- Including Forms and Workflows
- All farms have been independently managed
 - Migration into New Structure
 - Multiple Meetings with large number of groups for planning purposes
 - Actual Migration

Purview Implementation

- Already had sensitivity labels established
- Setting up authentication contexts
- Conditional Access Policies
- eDiscovery

Members Portal

- Migrated off SharePoint 2013 to SharePoint Online
- Users were created as cloud only guest accounts
- SharePoint Online Communication Sites
- EUM Product used for user management
 - Leads are able to manage their own users

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Purview Information Protection Workshop

- 2 hr workshop led by Envision IT Principal Consultant
- Learn about:
 - Intro to Purview Information Protection
 - Identify and create sensitive information types
 - Create sensitivity labels following the Traffic Light Protocol approach and use autolabeling policies based on these labels
 - Intro to authentication contexts and conditional access policies
 - Intro to DLP



Power BI Microsoft 365 Dashboard



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Envision IT Purview Information Protection Engagement

- Licensing and tenant setup review and recommendations
- Information Protection Workshop
- Configuration of Microsoft Purview:
 - Sensitivity labels
 - Entra ID Authentication Contexts and Conditional Access Policies
 - Rights Management for document encryption and watermarking
 - Microsoft 365, Teams, and SharePoint configuration
- External sharing strategy and information architecture

EUM Data Room

The EUM Data Room is a secure digital resource that the business finds easy to use and allows IT and Compliance to sleep well at night. Built on enterprise class Microsoft security, all your data stays in Microsoft 365 tenant and retains your brand throughout.



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Upcoming Events

CC collabdays

CollabDays Bletchley 2024

Bletchley, England Sep 25



AI Community Conference



Azure AI Search and OpenAI Webinar

Vancouver, Canada Oct 18 Online Oct 29

Events | Extranet User Manager



Thank you!

Any Questions?

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