



Introduction to Azure Information Protection

Global Azure Bootcamp 2019

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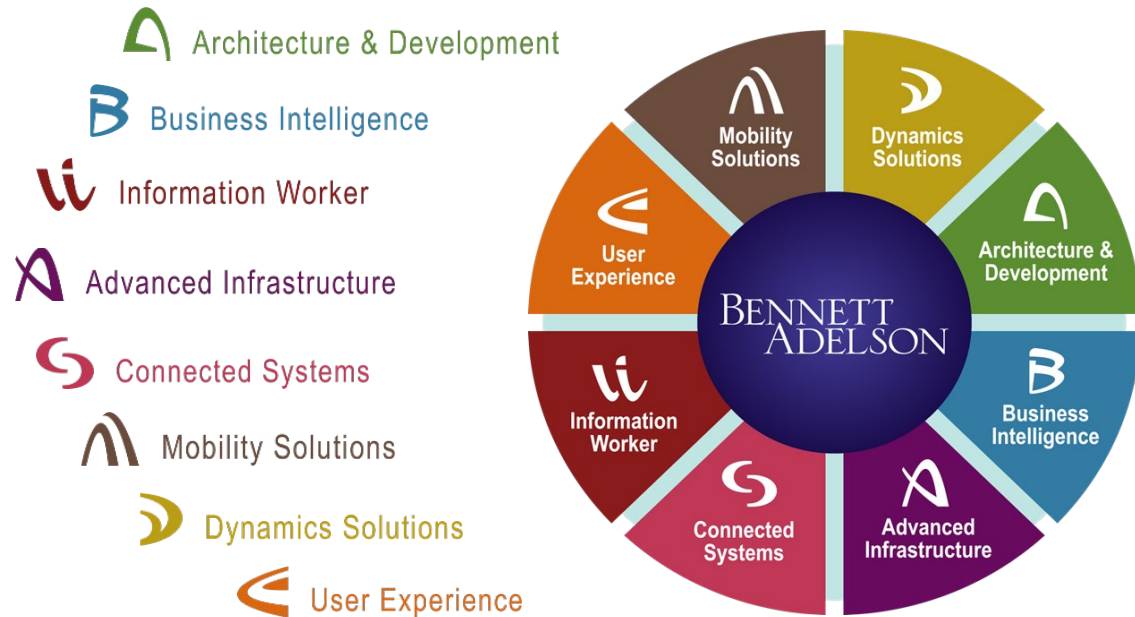
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Company Highlights

- Established in 1996, with more than 1,000 clients serviced to date
- Headquartered in Cleveland, with a satellite office in Columbus
- Local and national clients, with international service delivery capabilities and experience

Eight Practice Disciplines



Significant Achievements

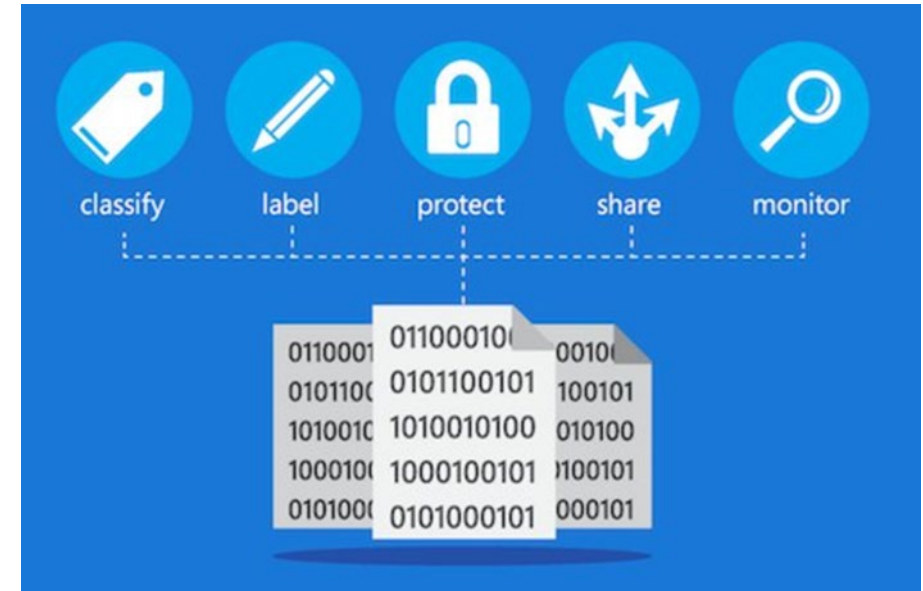
- 2017 and 2016 Top 200 Microsoft Partners, Redmond Channel Partners
- 2015 Top 100 Most Promising Microsoft Solution Providers, CIO Review
- 2011 Microsoft Partner of the Year, Heartland District
- 2010 Microsoft Partner of the Year Finalist
- Office 365 TAP Member
- Office 365 FastTrack Partner
- Office 365 Preferred Deployment Partner
- Member of Microsoft's SharePoint Patterns & Practices Council
- Members of the Microsoft Partner Advisory Council
- Founded the Cleveland SharePoint and .NET Special Interest Group
- Microsoft Gold Partners: Cloud, Collaboration and Content
- Microsoft Silver Partners: Cloud Productivity, Windows and Devices

- Understand what AIP is
- Understand where AIP fits into the Microsoft Security picture
- Understand where information can be protected
- Understand what is required to use AIP



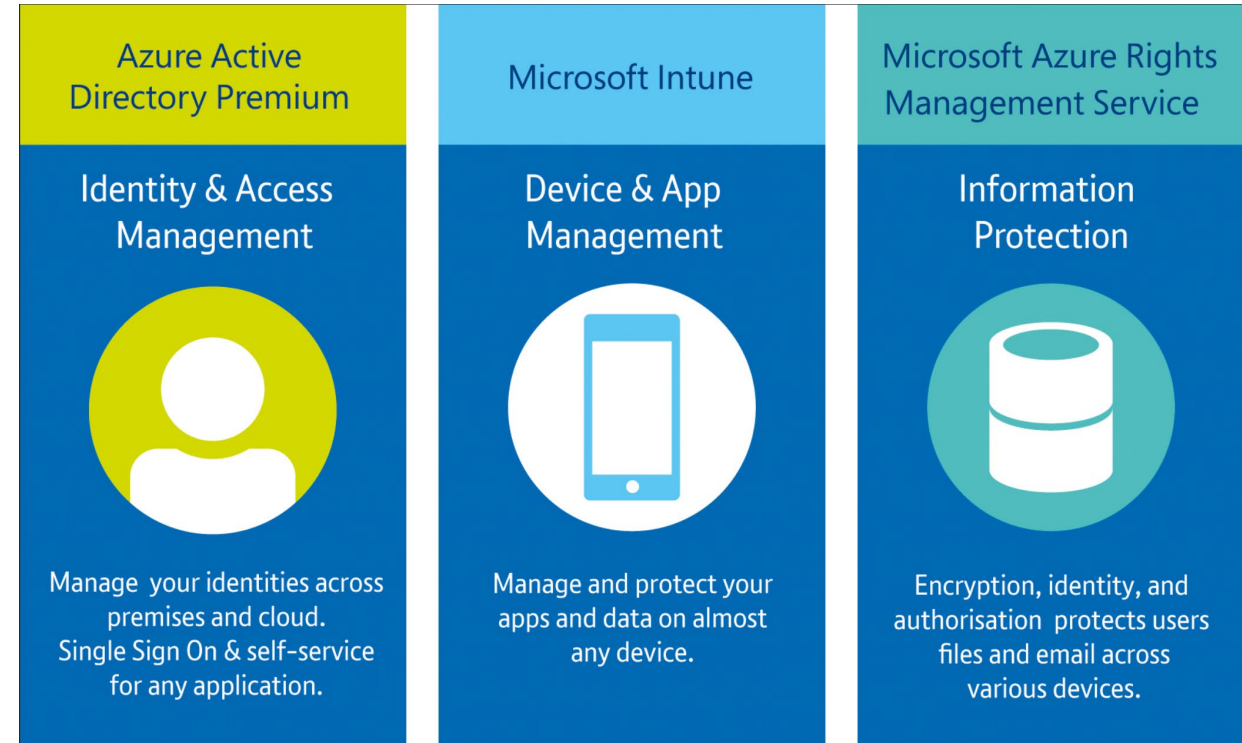
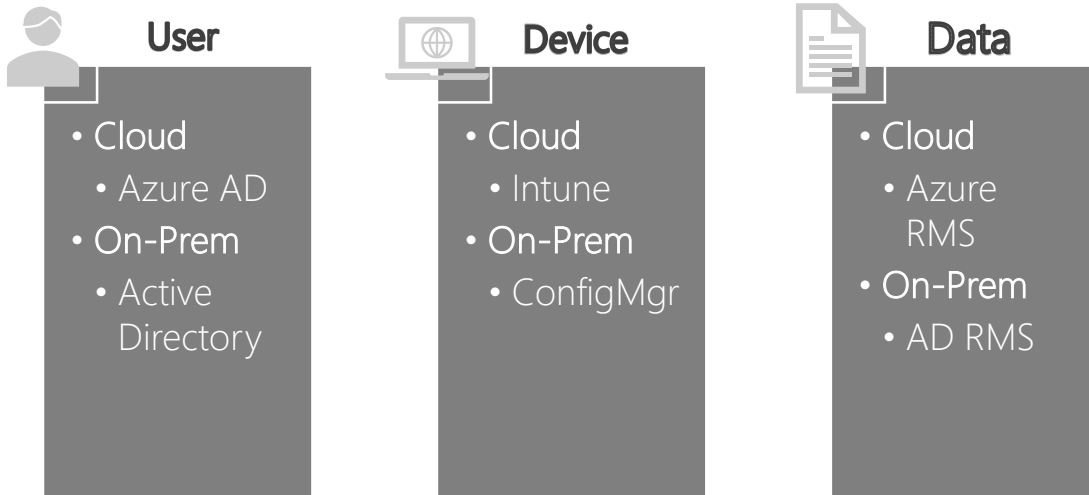
What is AIP?

- A cloud-based solution built on years of proven technology to classify and optionally protect documents and email by applying labels
- This is not to be confused with Data Loss Prevention

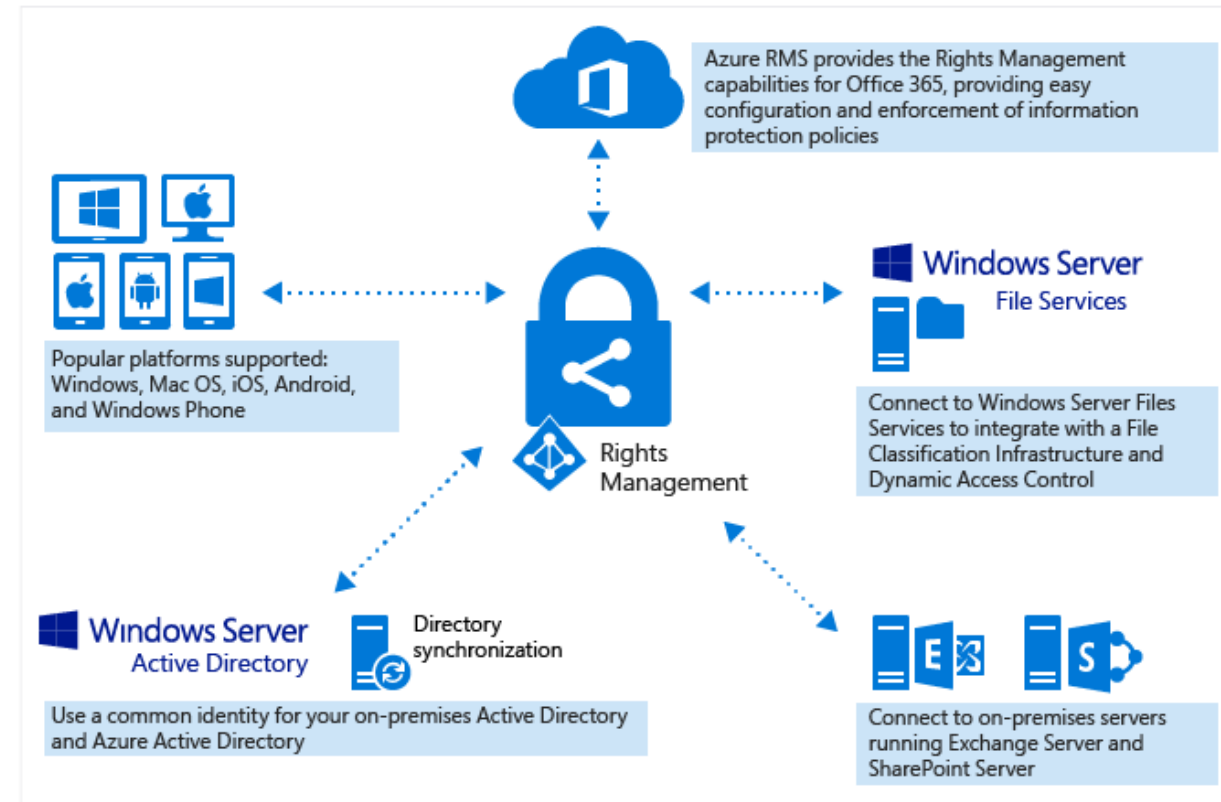


In the beginning...

- Before AIP, we had the Microsoft Enterprise Mobility Suite
 - This was later renamed to Enterprise Mobility and Security (EM+S)
- Protect the User, Device, (Apps), and Data



- Started with the on-prem
 - Active Directory
 - Active Directory Rights Management Service (RMS)
 - Server File Classification Infrastructure (FCI)
- Extending the walls
 - Expose AD RMS to the DMZ
 - Implement Active Directory Federation Server (AD FS)

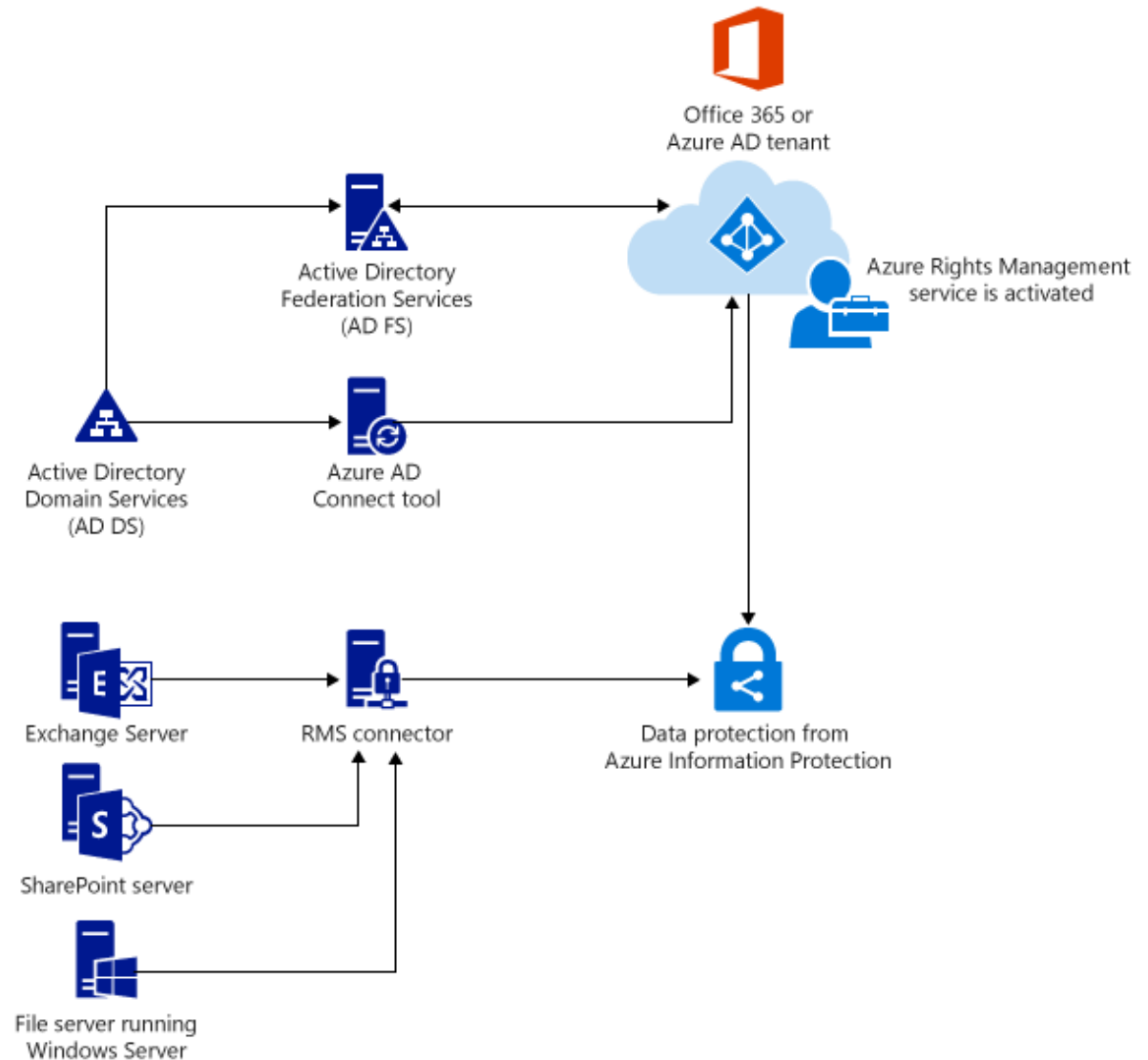


- Built on FCI and AD RMS
- Still primarily focused on protecting internal data
- Good
 - Allowed fileshare-like permissions move with a file once it left the share
 - Add restrictions to what can be done with data, and set expirations
 - Did not require exposing on-premise solutions externally
- Bad
 - Still required FCI for on-prem data
 - Required metadata labeling to apply policies (manual) or scripted (later Cloud App Security)
 - Limits on who you could share with externally

- Leverages the best of Azure RMS (protections), but addresses its shortcomings
 - Better scanning
 - Cloud and On-Premise files
 - Better way of applying policies
 - Still leverage RMS policies, but new interface to help with classifying, labeling, protecting, and monitoring files
 - Better embrace of cloud collaboration
 - No more email destination restrictions
 - Unified experience for end users
 - Simple user interface with minimal admin support

Evolution on Microsoft document/file protection

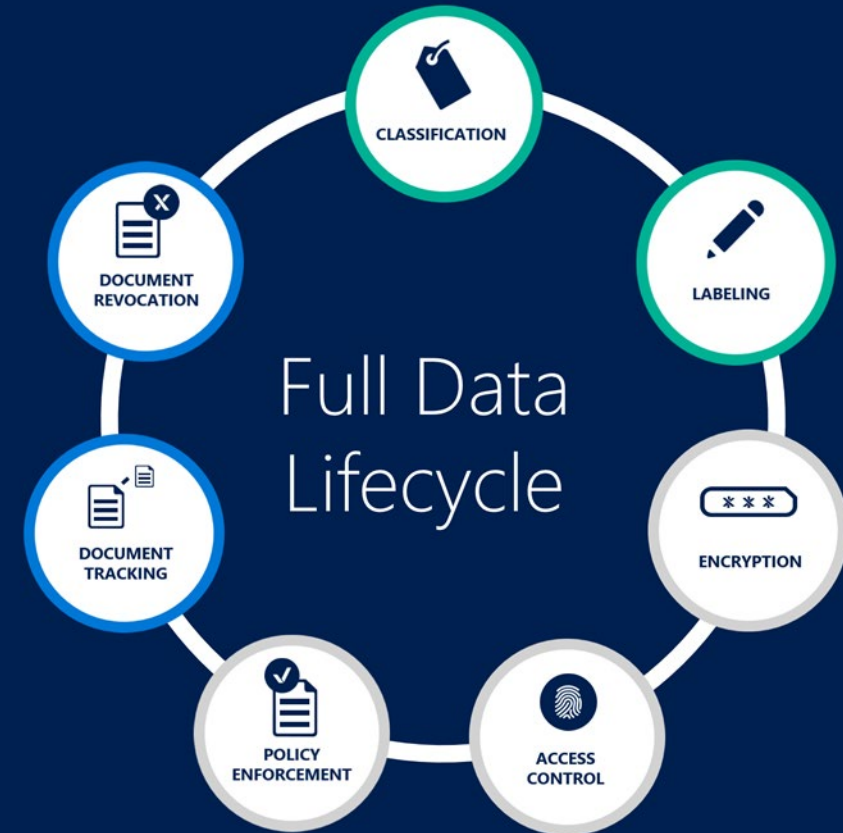
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- Move to the cloud (Hybrid)
 - Azure AD
 - Azure RMS
 - Azure Information Protection
 - Azure Information Rights Management



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- Move to the cloud (Hybrid)
 - Azure AD
 - Azure RMS
 - Azure Information Protection
 - Azure Information Rights Management
- Embrace the Cloud
 - Azure AD Joined Devices
 - Azure AD Identities
 - Microsoft Information Protection
 - Windows Information Protection
 - ATP and ATA, Security and Compliance Center



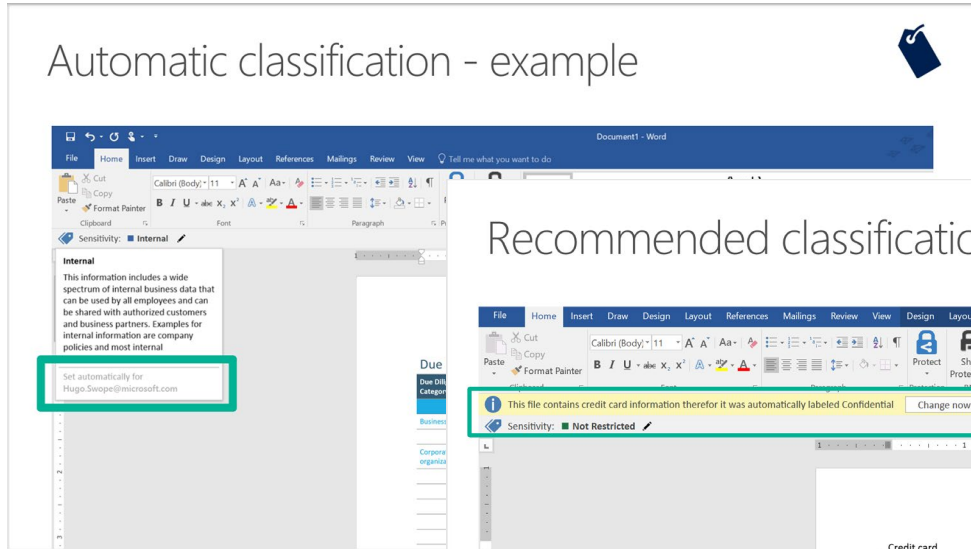
- Classify
 - Identify the data
- Label
 - Mark the data
- Protect
 - Encryption
 - Restrictions
- Monitor
 - Document Tracking
 - Revoke
 - Reporting
 - Back to Classify



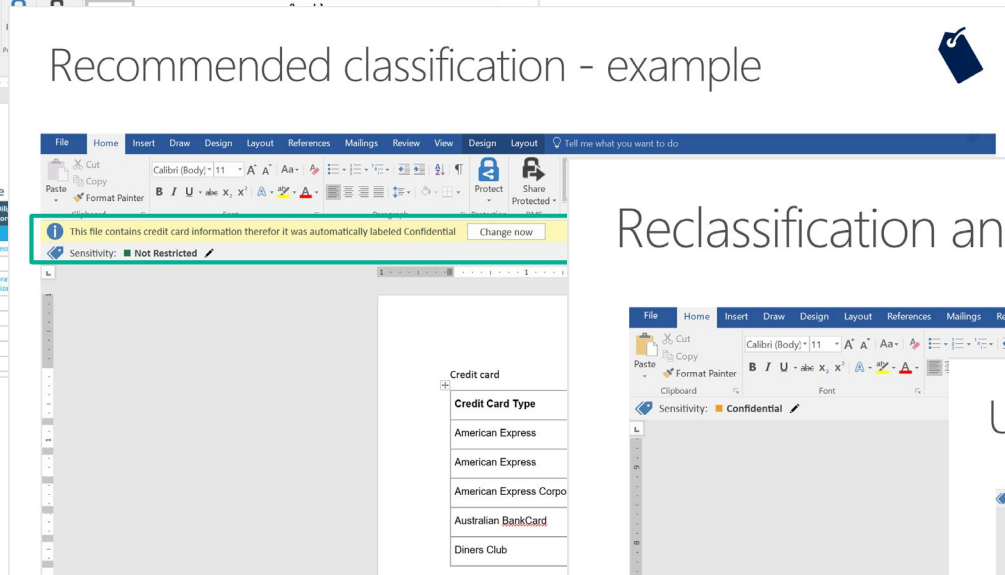
- Demo toolbar
- Header/footers/watermarks
- Admin console

What does it look like

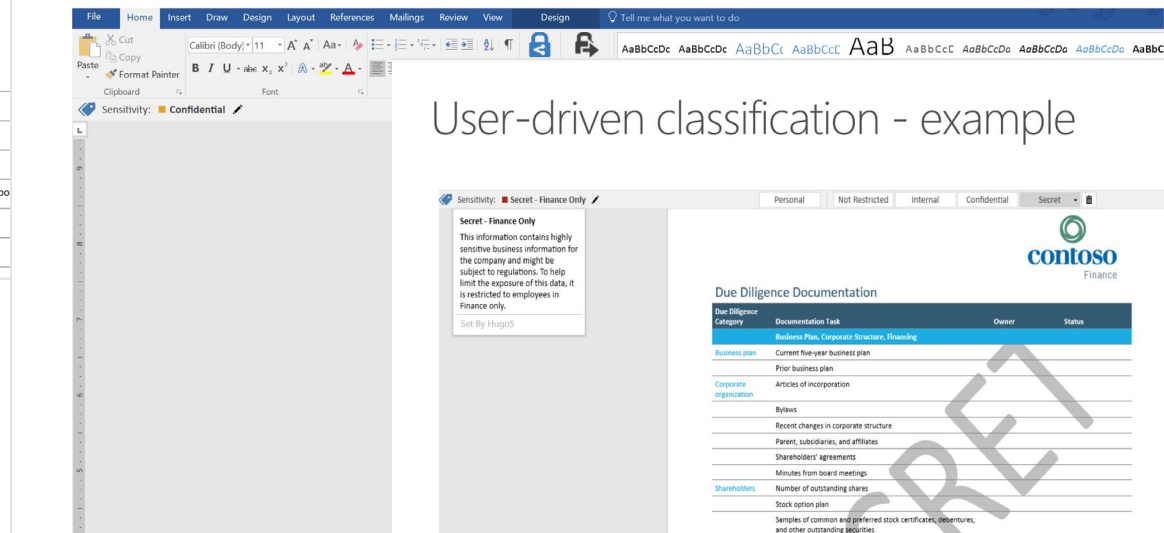
Automatic classification - example



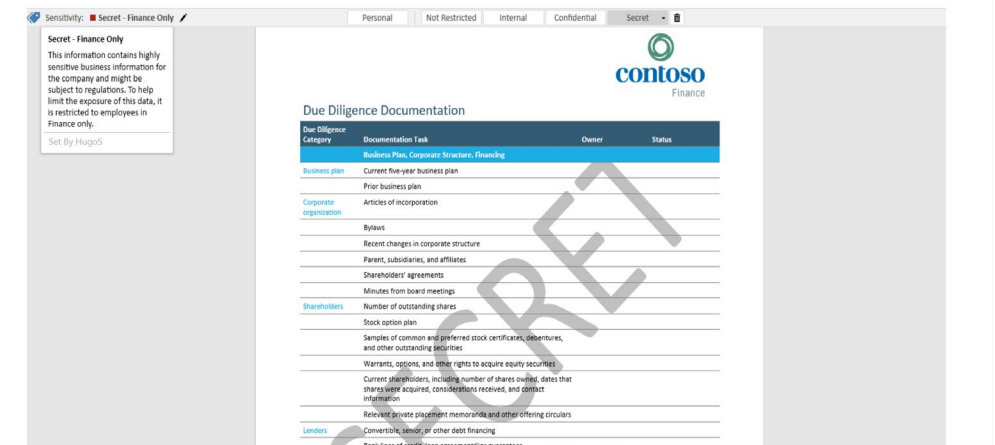
Recommended classification - example



Reclassification and justification - example



User-driven classification - example



- Existing Documents:
 - On-Premise Locations:
 - Network file shares (CIFS,SMB)
 - Local Files
 - SharePoint sites and libraries
 - Apply default label or your own defined labels
 - Scan contents and apply label
 - Apply a default label to a store
 - Report to discover – scan to discover what should be labeled
 - Cloud Locations:
 - Requires MCAS (Microsoft Cloud App Security)
 - Examples:
 - Box
 - SharePoint Online
 - OneDrive for Business

- For On-premise files
 - AIP Scanner
 - Install on server with SQL
 - Multiple scanners possible
 - Scanners should be close to the data
 - Scan and label, or scan and report
- For Cloud files
 - Microsoft Cloud App Security
 - Requires separate product or bundled with E5
- For users (manual labeling)
 - AIP Client (normal or unified labeling versions)
 - Adds button/toolbar to Office applications
 - User can select or change labeling

What is needed (licensing)

- Must buy standalone or as part of E3/E5 suite
- You must get MCAS if you want automated scanning and labeling of data in the cloud.

Feature	Azure Information Protection Premium P1 (EMS E3)	Azure Information Protection Premium P2 (EMS E5)
View labels and watermarks in Office	Yes	Yes
Manual labeling (user driven)	Yes	Yes
Apply content marking and RMS protection in Office	Yes	Yes
Automatic and recommended labeling		Yes
Classification, labeling and protection with MCAS		Yes
HYOK (Hold you own key – multi RMS server support)		Yes

Thank you!

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Thank You

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