

A low-angle, upward-looking photograph of modern skyscrapers. The image is dominated by the geometric lines of the buildings' facades. A prominent red structural element, possibly a window frame or a decorative beam, runs diagonally across the right side of the frame, adding a vibrant splash of color to the otherwise monochromatic grey and white scene. The sky is filled with soft, white clouds.

Drive Business Value with Winning Data Governance and Compliance Strategies



Session Objectives

1

Identify data governance and compliance challenges

2

Showcase the value of a proper data governance framework

3

Impart winning & proven strategies to help you establish a relevant data governance framework

The Face of Collaboration



Everyone has
a Voice

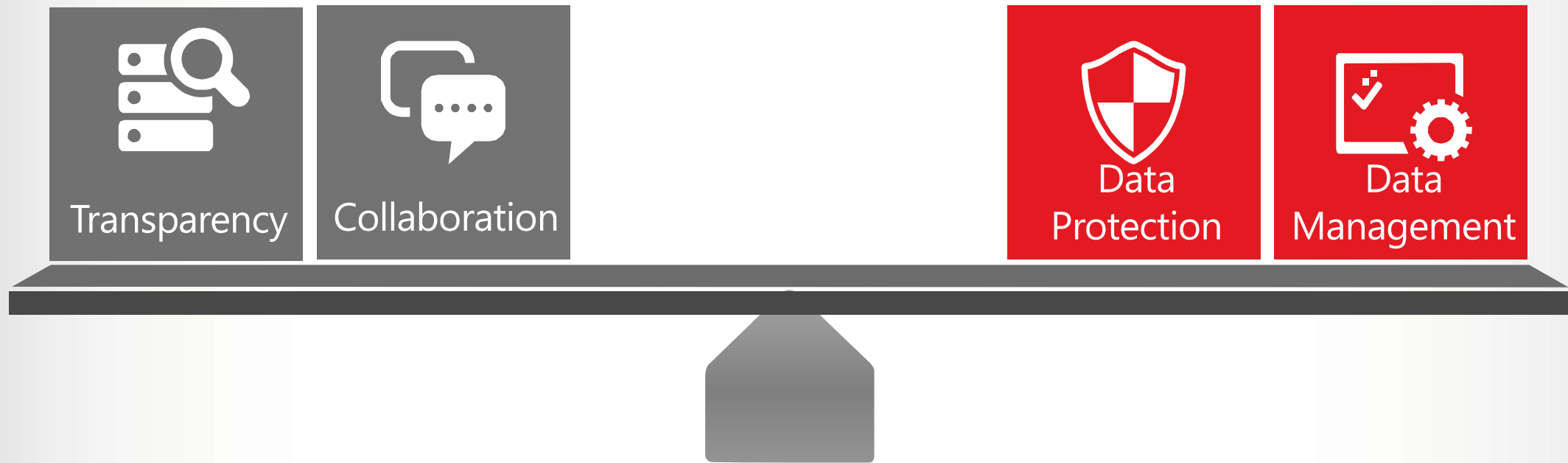


Access from
Anywhere



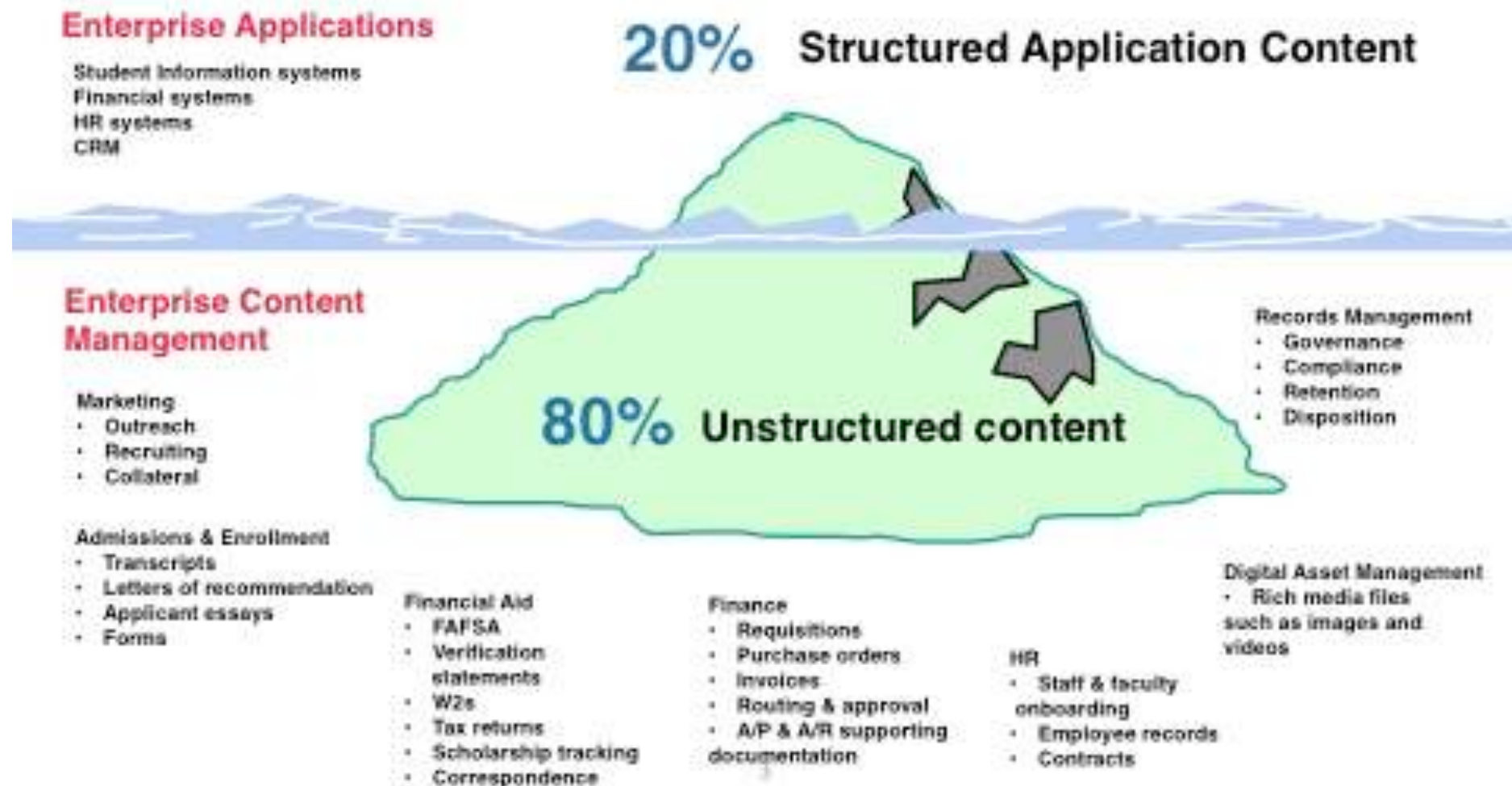
Everyone is a
Contributor

The Balancing Act



Structured vs. Unstructured Content

What is the difference?



Mystery of Unstructured Content

- Current project files
- Current reference docs

Dark Data

- Client records
- Employee records
- Previous project files

What is this?

What you need to keep...

What you use...



Establishing Confidence

Privacy and Information Security are Top Concerns

Mobile access to content a security risk
collaboration tools can expose data more easily

Data Governance Challenge

Accountability for regulated data
Audits for security and controls
Scalability

How likely do you think the following privacy breach risks are?

8% Hackers Gaining Access

61% Accidental Employee Breach

41% Accidental 3rd Party Breach

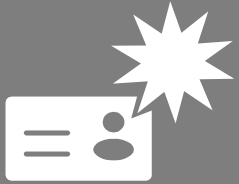
30% Intentional Employee Breach

13% Intentional 3rd Party Breach

Cost Of Ignoring this Problem

Per Breached Record

\$188



Per User ID

\$188



Per Document

\$188



Per ID Number

\$188



Per Email

\$188



Per Record

\$188



Per Address

Per Breach Event

of Customers
Affected By
Breach

30-40%
Will Leave

Per Breach Event

DATA GOVERNANCE is like the brakes on a car

It allows you use your data as an asset without crashing and burning



It's Your Data...



Establish Data Governance Framework



Discovery and Classification

1



Welcome Home!

Discover and Map



Where is it?



File Share



SharePoint



Office 365



Databases



What is it?

File Level Analysis



- Redundant, outdated and trivial (ROT) data
- File types (Music, log files, etc..)

Content Level Analysis



- Sensitive data
- Date Created
- Owner



Who can access it?



Who owns it?

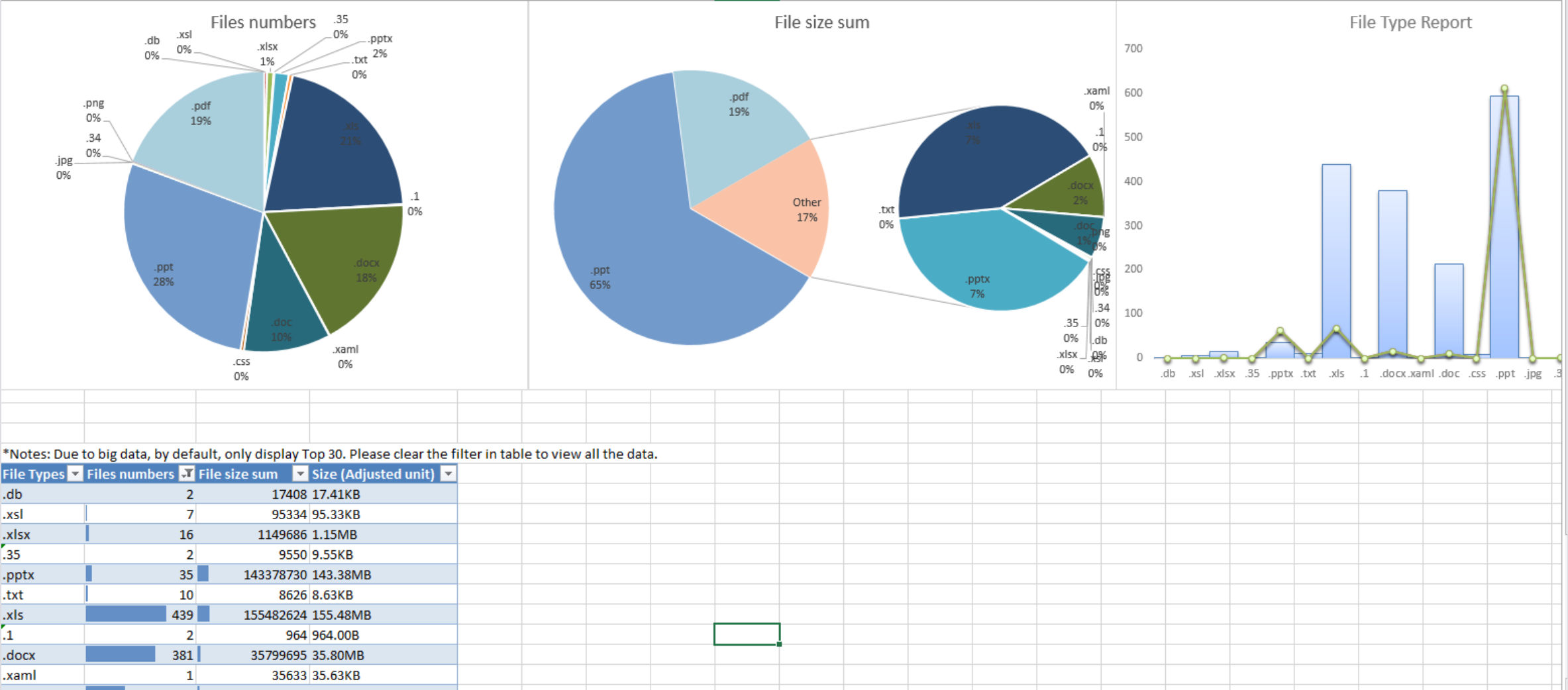


Who can read it?



Who can edit it?

File Type Report



Duplicate File Report

Command Panel	No.	File name	Extension	Path	Created time	Modified time	Last Access time	Size	Owner
Find Master File:	1	DocumentView3270.pdf	.pdf	\\contoso\share\Departments\Eng	2015-06-22-03:45:40:823	2012-11-20-15:58:16:000	2015-06-22-03:45:40:823	30734641	AVE\spadmin
Which properties should be based on?	1	DocumentView3270.pdf	.pdf	\\contoso\share\Departments\Eng	2015-06-22-03:45:43:497	2012-11-20-15:58:16:000	2015-06-22-03:45:43:497	30734641	AVE\spadmin
Created time	1	DocumentView3270.pdf	.pdf	\\contoso\share\Departments\Fin	2015-06-22-04:01:40:843	2012-11-20-15:58:16:000	2015-06-22-04:01:40:843	30734641	AVE\spadmin
Tag Master Files	2	DocumentView3015.pdf	.pdf	\\contoso\share\Departments\Fin	2015-06-22-04:01:40:843	2012-11-20-16:17:38:000	2015-06-22-04:01:40:843	156449	AVE\spadmin
	2	DocumentView3015.pdf	.pdf	\\contoso\share\Departments\Eng	2015-06-22-03:45:43:497	2012-11-20-16:17:38:000	2015-06-22-03:45:43:497	156449	AVE\spadmin
	2	DocumentView3015.pdf	.pdf	\\contoso\share\Departments\Eng	2015-06-22-03:45:40:823	2012-11-20-16:17:38:000	2015-06-22-03:45:40:823	156449	AVE\spadmin
filter and fill in action	3	bupers imo command brief 08 nov 12.pp	.ppt	\\contoso\share\Departments\IT\k	2015-06-22-04:02:07:230	2012-11-29-13:07:50:000	2015-06-22-04:02:07:230	2107904	AVE\spadmin
please use filter to find the files you need and fill in the Action and Action parameter, like Delete, Move (with parameter).	3	bupers imo command brief 08 nov 12.pp	.ppt	\\contoso\share\Departments\Fin	2015-06-22-04:01:39:937	2012-11-29-13:07:50:000	2015-06-22-04:01:39:937	2107904	AVE\spadmin
	3	bupers imo command brief 08 nov 12.pp	.ppt	\\contoso\share\Departments\Eng	2015-06-22-03:45:39:870	2012-11-29-13:07:50:000	2015-06-22-03:45:39:870	2107904	AVE\spadmin
	3	bupers imo command brief 08 nov 12.pp	.ppt	\\contoso\share\Departments\Eng	2015-06-22-03:45:42:713	2012-11-29-13:07:50:000	2015-06-22-03:45:42:713	2107904	AVE\spadmin
	3	bupers imo command brief 08 nov 12.pp	.ppt	\\contoso\share\Departments\Eng	2015-06-22-03:45:43:823	2012-11-29-13:07:50:000	2015-06-22-03:45:43:823	2107904	AVE\spadmin
	4	DocumentViewe8c2.pdf	.pdf	\\contoso\share\Departments\Eng	2015-06-22-03:45:43:823	2012-11-20-17:25:02:000	2015-06-22-03:45:43:823	228976	AVE\spadmin
	4	DocumentViewe8c2.pdf	.pdf	\\contoso\share\Departments\Eng	2015-06-22-03:45:41:120	2012-11-20-17:25:02:000	2015-06-22-03:45:41:120	228976	AVE\spadmin
	4	DocumentViewe8c2.pdf	.pdf	\\contoso\share\Departments\Fin	2015-06-22-04:01:41:093	2012-11-20-17:25:02:000	2015-06-22-04:01:41:093	228976	AVE\spadmin
	5	Bold Alligator Articles 08FEB2012.doc	.doc	http://contoso/Shared Documents,	2015-01-20-02:17:58:000	2015-01-20-02:17:58:000	2015-01-20-02:17:58:000	94720	
	5	Bold Alligator Articles 08FEB2012.doc	.doc	\\contoso\share\Departments\Fin	2015-06-22-04:01:39:907	2012-11-30-09:53:18:000	2015-06-22-04:01:39:907	93184	AVE\spadmin
	5	Bold Alligator Articles 08FEB2012.doc	.doc	\\contoso\share\Departments\Eng	2015-06-22-03:45:39:823	2012-11-30-09:53:18:000	2015-06-22-03:45:39:823	93184	AVE\spadmin
Export files to list	5	Bold Alligator Articles 08FEB2012.doc	.doc	\\contoso\share\Departments\Eng	2015-06-22-03:45:42:667	2012-11-30-09:53:18:000	2015-06-22-03:45:42:667	93184	AVE\spadmin
Path of Duplicate Detector: Browse	6	djrs_prfl_v2.docx	.docx	\\contoso\share\Departments\Eng	2015-06-22-03:45:43:463	2012-11-20-22:22:24:000	2015-06-22-03:45:43:463	29903	AVE\spadmin
	6	djrs_prfl_v2.docx	.docx	\\contoso\share\Departments\Eng	2015-06-22-03:45:46:230	2012-11-20-22:22:24:000	2015-06-22-03:45:46:230	29903	AVE\spadmin
	6	djrs_prfl_v2.docx	.docx	\\contoso\share\Departments\Eng	2015-06-22-03:45:46:417	2012-11-20-22:22:24:000	2015-06-22-03:45:46:417	29921	AVE\spadmin
Path of configuration profile: Browse	6	djrs_prfl_v2.docx	.docx	\\contoso\share\Departments\Eng	2015-06-22-03:45:40:793	2012-11-20-22:22:24:000	2015-06-22-03:45:40:793	29903	AVE\spadmin
	6	djrs_prfl_v2.docx	.docx	\\contoso\share\Departments\Fin	2015-06-22-04:01:40:827	2012-11-20-22:22:24:000	2015-06-22-04:01:40:827	29903	AVE\spadmin
	6	djrs_prfl_v2.docx	.docx	\\contoso\share\Departments\IT\c	2015-06-22-04:02:07:353	2012-11-20-22:22:24:000	2015-06-22-04:02:07:353	29903	AVE\spadmin
Perform Action	6	djrs_prfl_v2.docx	.docx	http://contoso/Discovery/djrs_prfl	2015-09-16-10:29:30:000	2015-09-16-10:29:30:000	2015-09-16-10:29:30:000	29903	
	6	djrs_prfl_v2.docx	.docx	http://contoso/Shared Documents,	2015-01-20-02:22:31:000	2015-01-20-02:22:31:000	2015-01-20-02:22:31:000	35210	
	6	djrs_prfl_v2.docx	.docx	http://contoso/Shared Documents:	2015-03-18-01:56:41:000	2015-03-18-01:56:41:000	2015-03-18-01:56:41:000	32671	
	7	CSR-Form-08-11-055.xls	.xls	\\contoso\share\Departments\IT\c	2015-06-22-04:02:07:337	2012-11-29-11:13:52:000	2015-06-22-04:02:07:337	168960	AVE\spadmin
	7	CSR-Form-08-11-055.xls	.xls	\\contoso\share\Departments\Fin	2015-06-22-04:01:40:797	2012-11-29-11:13:52:000	2015-06-22-04:01:40:797	168960	AVE\spadmin
	7	CSR-Form-08-11-055.xls	.xls	\\contoso\share\Departments\Eng	2015-06-22-03:45:40:747	2012-11-29-11:13:52:000	2015-06-22-03:45:40:747	168960	AVE\spadmin
	7	CSR-Form-08-11-055.xls	.xls	\\contoso\share\Departments\Eng	2015-06-22-03:45:46:213	2012-11-29-11:13:52:000	2015-06-22-03:45:46:213	168960	AVE\spadmin

What are the controlled workloads?

Regulated Data

Data that requires retention / long-term archives

ITAR / export controlled data

Gold copies or replication

Sensitive Data

"Controlled Unclassified Information" (CUI)

PII / PHI / PCI data that about employees / citizens

Classified Data

Operational security (OpSec)

Intellectual Property

Classified documents

Fines and Prosecution

Fines and Loss of Reputation

Security / Business Drivers

Map workloads to controls

(data) must be (controlled) by (role)

- Personnel Data must be encrypted by IT
- OpSec Data must be secured by business users
 - Disaster Recovery Plans must be shared with only IT users (whitelist)
 - Healthcare Protected Data must not be shared with external users (blacklist)

*If you can't verbalize the control,
you shouldn't try to govern it!*

Heat-map of Sensitive Data

⚙️ Go to upper level ⚙️ Go to lower level ⚙️ Check Incidents

Test Suites: 250 Matches

Financial Data: 100 Matches

Social Security Number (SSN):
22 Matches

Bank Account Number:
17 Matches

Taxpayer Identification Number:
11 Matches

Driver's License Number:
29 Matches

Passport Number:
12 Matches

Tax File Number:
6 Matches

Debit Card Number:
7 Matches

Phone Number:
4 Matches

IP Address:
2 Matches

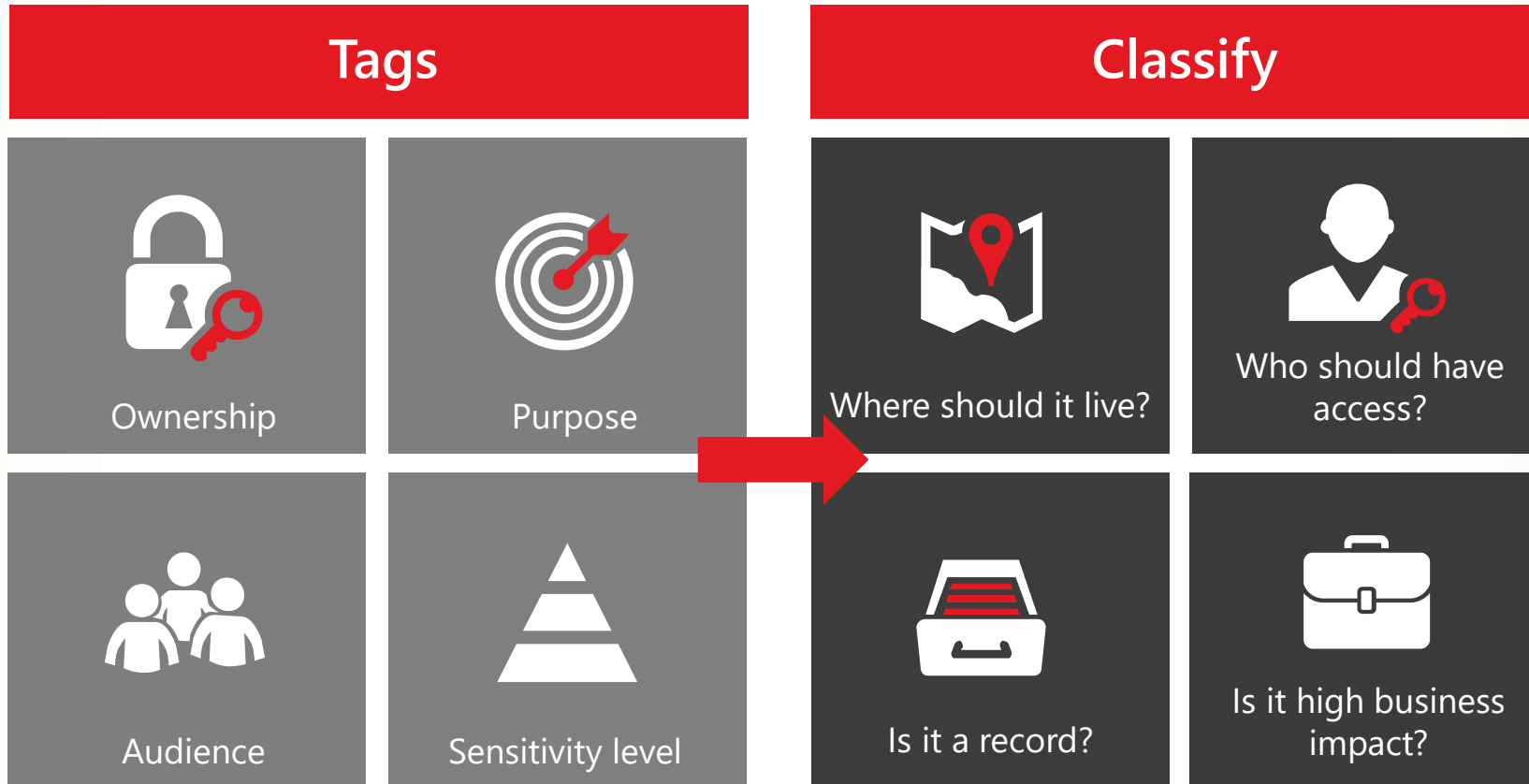
Personally Identifiable Information (PII) Data:
80 Matches

Patriot Act:
50 Matches

Federal Trade
Commission
Consumer:
10 Matches

Health Insurance
Act:
10 Matches

Tag and Classify



Classifying content – keep it simple

Identify sensitivity level of the document

- Personally Identifiable Information (PII)
- Protected Health Information (PHI)
- Intellectual Property / Export Regulations

Identify retention schedule

- Required to keep
- Required to dispose
- Content that is no longer relevant to the business

Finish with managed keywords for search

- This will require interviews with the business

Define Data Governance Policies

2

How do you know where to park?



Defining Governance Policies

Download PIA Templates Contributed by the Privacy Community

ISO/IEC 27002 Code of Practice for Information Security Controls Template

ISO/IEC 27002:2013 is an international best practice standard for a set of commonly used information security controls. Whilst none of the controls are mandatory or exhaustive, the standard is commonly used as a “cross check” to ensure organizations have not overlooked any important security areas. It is also referenced by ISO 27001, which requires that an organization undertake an information security risk assessment and, as part of that process, looks to ISO 27002 controls as a basis for risk treatment and to produce a “statement of applicability” that references the controls chosen for selection based on the organization’s risk appetite. Here

This APIA template is designed to list the controls found in ISO 27002 and turn them into a set of questions to allow security managers to “self-assess” any gaps in their control framework. However it is recommended that organizations first perform a risk assessment to determine the applicability of the controls.

[Download](#)

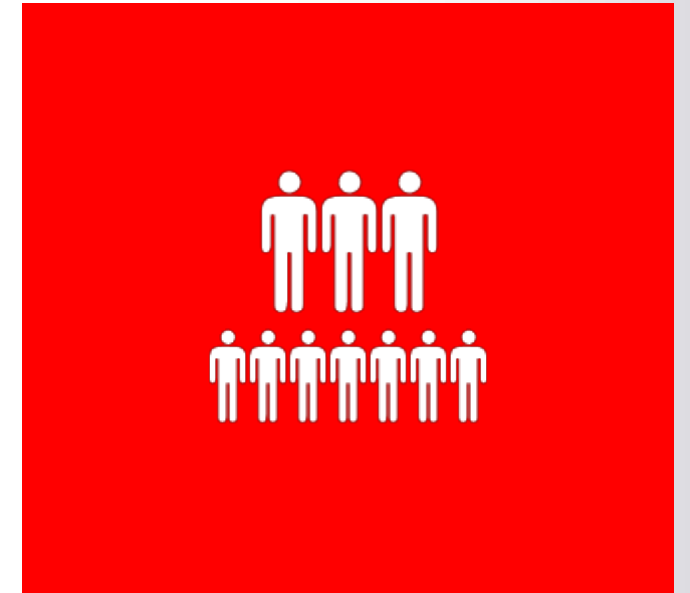
The approach...



Build “controls”
into containers



Make sure no
one messes with
your controls



Ensure the system
is used as intended

Example of Governance Policies

New Project Site

Site Configuration

Security

Ownership

External
Sharing
Enabled?

Classification
of Content?

Data
Sovereignty?

Permission
groups?

Outside
Vendors?

Contacts /
Stewards?

Proactively Enforce Policies

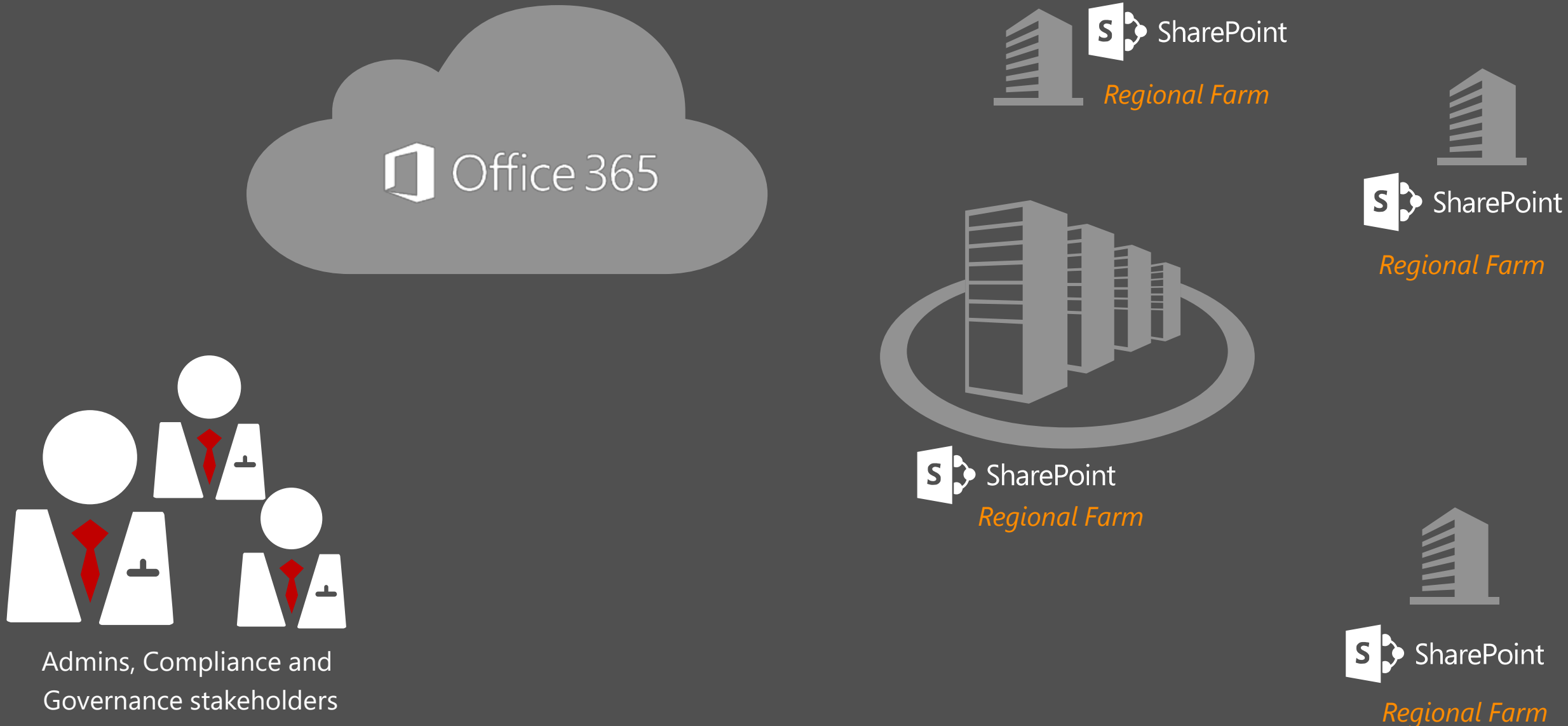
3



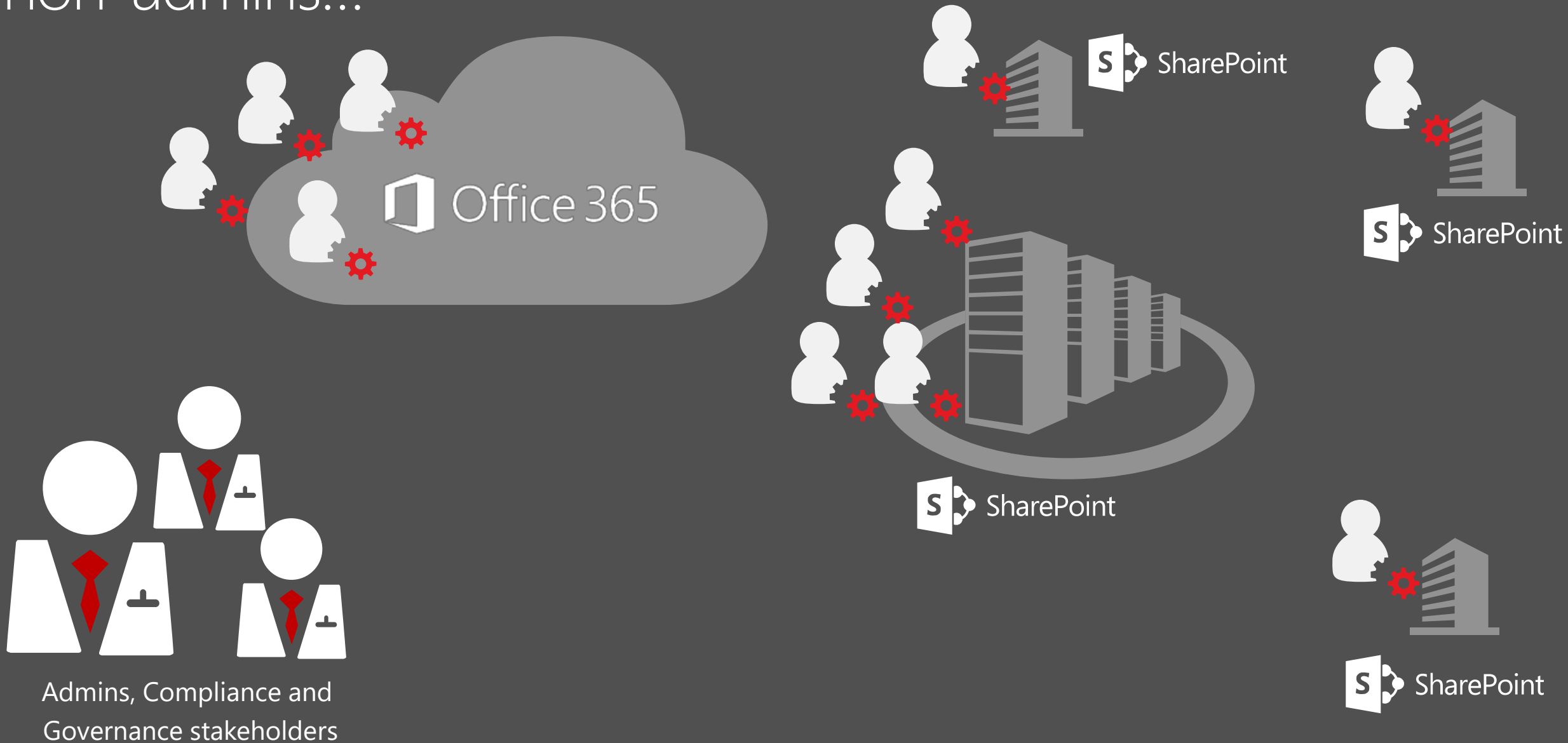
Change is
often met with
resistance

53% decline in
workforce productivity.

Maintaining policy compliance, can be a challenge...



Necessity causes too much power to be delegated to non-admins...



It is difficult to detect, assess and remediate policy violations in diverse environments!





RESPONSIBILITY

No single drop of water thinks it is responsible for the flood.

Automate Infrastructure Governance



Service Requests



**Request
Questionnaire**



**Proactive
Enforcement**



**Lifecycle
Management**



ROI & Chargeback



Complete Control



Automate Compliance Enforcement

[Report](#)[Administration](#)[Compliance Report](#)[admin](#)[Export to Screenshot](#)[Scan Policy Filter](#)

Scan Results

Passed Files: 17

[View All](#)

Failed Files: 65

[View All](#)[Trend Report](#)

Risk Report

High Priority Medium Priority Low Priority

[http://ave2013prodwfe1:3000/test/AvePoint for...](#)
[http://ave2013prodwfe1:3000/personal/zoeshang/...](#)
[http://ave2013prodwfe1:3000/sites/a/SitePages/...](#)
[http://ave2013prodwfe1:3000/personal/zoeshang/...](#)
[http://ave2013prodwfe1:3000/personal/mario/...](#)

[View All](#)

Other Reports

[Data Table Report \(0\)](#)[File Errors Report \(172\)](#)[File Type Report \(10\)](#)[PDF Exception Report \(4\)](#)[Link Validation Report \(0\)](#)[Page Title Report \(0\)](#)

Violation Report



IP Address - CORE	(3944, 26.79 % ; 3files)
A.1 All image objects require...	(3084, 20.95 % ; 13files)
A.4 All table objects require...	(2113, 14.35 % ; 19files)
B. Validate if tables have been...	(2103, 14.29 % ; 17files)
US Social Security Number - RegEX	(1325, 9.00 % ; 19files)
Identify Family Relationship	(692, 4.70 % ; 6files)
Identify terms used to indicate Race	(414, 2.81 % ; 6files)
Identify all INPUT elements with...	(246, 1.67 % ; 43files)
Content Cannot Contain a...	(170, 1.15 % ; 7files)
Others	(630, 4.28 % ; 288files)

Example: Automatic Classification

- It's Friday 5pm and Mary needs to upload her daily documents into SharePoint
- She doesn't have time to tag documents and wants to go home on time
- Company policy is that everything that goes into SharePoint MUST be tagged and Restricted information must not be shared with Everyone.

Real-Time Policy Rule Workflow

1

Add Tag

Add a static tag in the SharePoint and the tag name is Security Classification tag value is Confidential;...

Configure

Else

4

Rule4

Restricted Documents

If the following conditions are met:

All of the files

Specify conditions

If All of these conditions are True

Add Condition

Add Group

Summary Result Equals Restricted

Order	Actions	Details	
1	Add Tag	Add a static tag in the SharePoint and the tag name is Security Classification tag value is Restricted; T...	Configure
1	Move	Relative or full path of the library or folder: http://contoso/MSFT/Restricted/Forms/AllItems.aspx; If th...	Configure

Add an Action

Else

5

Rule5

Private

If the following conditions are met:

All of the files

Specify conditions

If All of these conditions are True

Add Condition

Add Group

Summary Result Equals Private

Order	Actions	Details	
1	Add Tag	Add a static tag in the SharePoint and the tag name is Security Classification tag value is Private; Tag...	Configure

Add an Action

...continued

The image shows a SharePoint 'Documents' library interface and a Windows File Explorer window. The SharePoint page is titled 'Documents' and shows a list of documents. The File Explorer window is titled 'Upload Documents Today' and shows a list of files.

SharePoint Documents Library:

- Header: SharePoint, Newsfeed, OneDrive, Sites, SP Admin
- Navigation: BROWSE, FILES, LIBRARY
- Left Sidebar: Home, Documents, Recent, Restricted, Site Contents, EDIT LINKS
- Main Content: MSFT, EDIT LINKS, Documents, + new document or drag files here, All Documents, Find a file, There are no files in the view "All Documents".

Windows File Explorer (Upload Documents Today):

Name	Date modified	Type	Size
Company Yearly Report	8/1/2013 8:38 PM	Microsoft Word D...	12 KB
Invitation for Party	8/1/2013 8:38 PM	Microsoft Word D...	12 KB
My Tax Return	8/20/2013 9:15 PM	Microsoft Word D...	12 KB
NDA for Contoso	8/1/2013 8:37 PM	Microsoft Word D...	12 KB
Payroll and bonus packages	8/1/2013 8:39 PM	Microsoft Word D...	12 KB

Windows Taskbar:

- Taskbar: Upload Documents Today
- System Tray: Activate Windows, Go to Action Center to activate Windows.

...continued

The image displays two screenshots of a SharePoint interface, likely from a training or demonstration video.

Left Screenshot: Documents Page

- The page title is "Documents" under the "MSFT" site.
- A progress bar indicates "0 of 5 complete", and a "CANCEL" button is visible next to it.
- The "All Documents" view is selected, showing a list of documents with columns: Name, Modified, Modified By, and Security Classification.
- The list contains the following items:
 - Company Yearly Report
 - Invitation for Party
 - My Tax Return
 - NDA for Contoso
 - Payroll and bonus packages

Right Screenshot: Restricted Page

- The page title is "Restricted" under the "MSFT" site.
- The "All Documents" view is selected, showing a message: "There are no files in the view 'All Documents'."
- The "Restricted" page is highlighted in the left navigation pane.

...continued

SharePoint

Newsfeed OneDrive

BROWSE FILES LIBRARY

MSFT EDIT LINKS

Documents

Home

Documents

Recent

Restricted


Site Contents

EDIT LINKS

Upload completed (4 added, 1 failed) DISMISS

All Documents ... Find a file

✓	Name	Modified	Modified By	Security Classification
	Company Yearly Report	... A few seconds ago	<input type="checkbox"/> SP Admin	Top Secret
	Invitation for Party	... A few seconds ago	<input type="checkbox"/> SP Admin	Public
	My Tax Return	... A few seconds ago	<input type="checkbox"/> SP Admin	Private
	NDA for Contoso	... A few seconds ago	<input type="checkbox"/> SP Admin	Confidential

 Payroll and bonus packages The action was applied to this file because it contains sensitive content. Please contact the administrator for details.

...continued

The image displays two side-by-side screenshots of a SharePoint interface, illustrating document security classifications.

Left Screenshot: Documents Library

- Header: SharePoint, MSFT, EDIT LINKS
- Navigation: BROWSE, FILES, LIBRARY
- Left Sidebar: Home, Documents, Recent, Restricted, Site Contents, EDIT LINKS
- Main Content: "new document or drag files here", All Documents, Find a file
- Table:

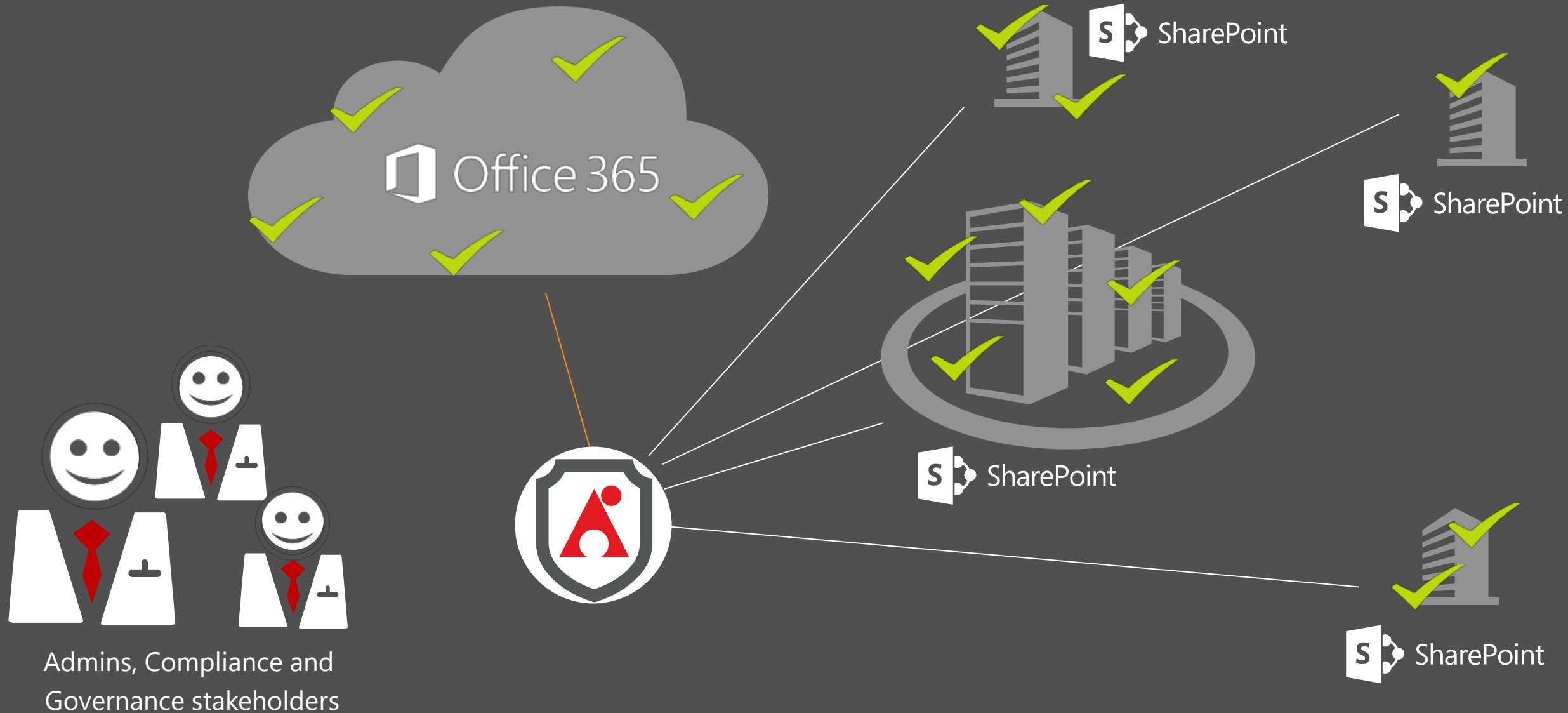
✓	Name	Modified	Modified By	Security Classification
	Company Yearly Report	About a minute ago	SP Admin	Top Secret
	Invitation for Party	About a minute ago	SP Admin	Public
	My Tax Return	About a minute ago	SP Admin	Private
	NDA for Contoso	About a minute ago	SP Admin	Confidential

Right Screenshot: Restricted Library

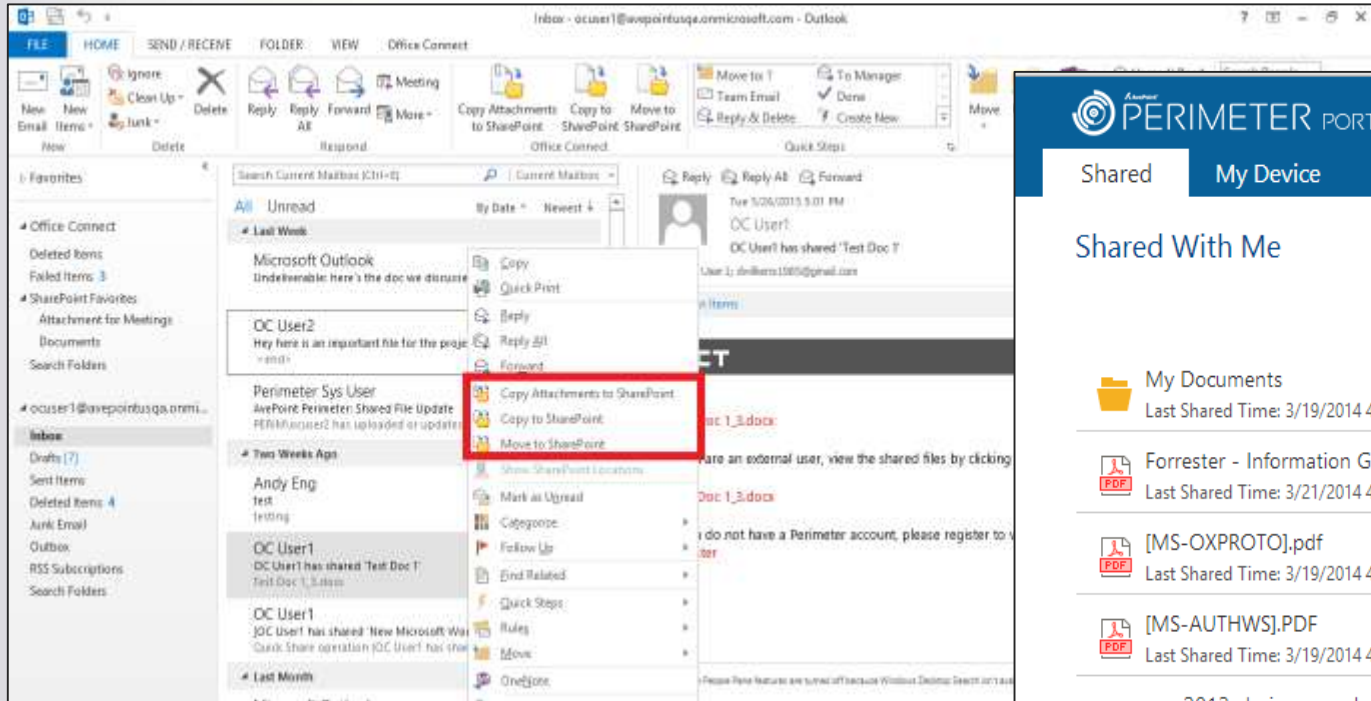
- Header: SharePoint, Newsfeed, OneDrive, Sites, SP Admin, ?
- Navigation: BROWSE, FILES, LIBRARY, SHARE, FOLLOW, SYNC
- Left Sidebar: MSFT, EDIT LINKS, Search this site
- Main Content: "new document or drag files here", All Documents, Find a file
- Table:

✓	Name	Modified	Modified By	Security Classification
	Payroll and bonus packages	About a minute ago	SP Admin	Restricted

Active enforcement for permission and configuration and settings policies across hybrid deployments...



Make it Easy to Do the Right Thing



Microsoft Outlook interface showing a context menu for a shared document. The menu options are: Copy, Quick Print, Reply, Reply All, Forward, Copy Attachments to SharePoint, Copy to SharePoint, Move to SharePoint, and Move. The 'Copy Attachments to SharePoint', 'Copy to SharePoint', and 'Move to SharePoint' options are highlighted with a red box.

PERIMETER PORTAL

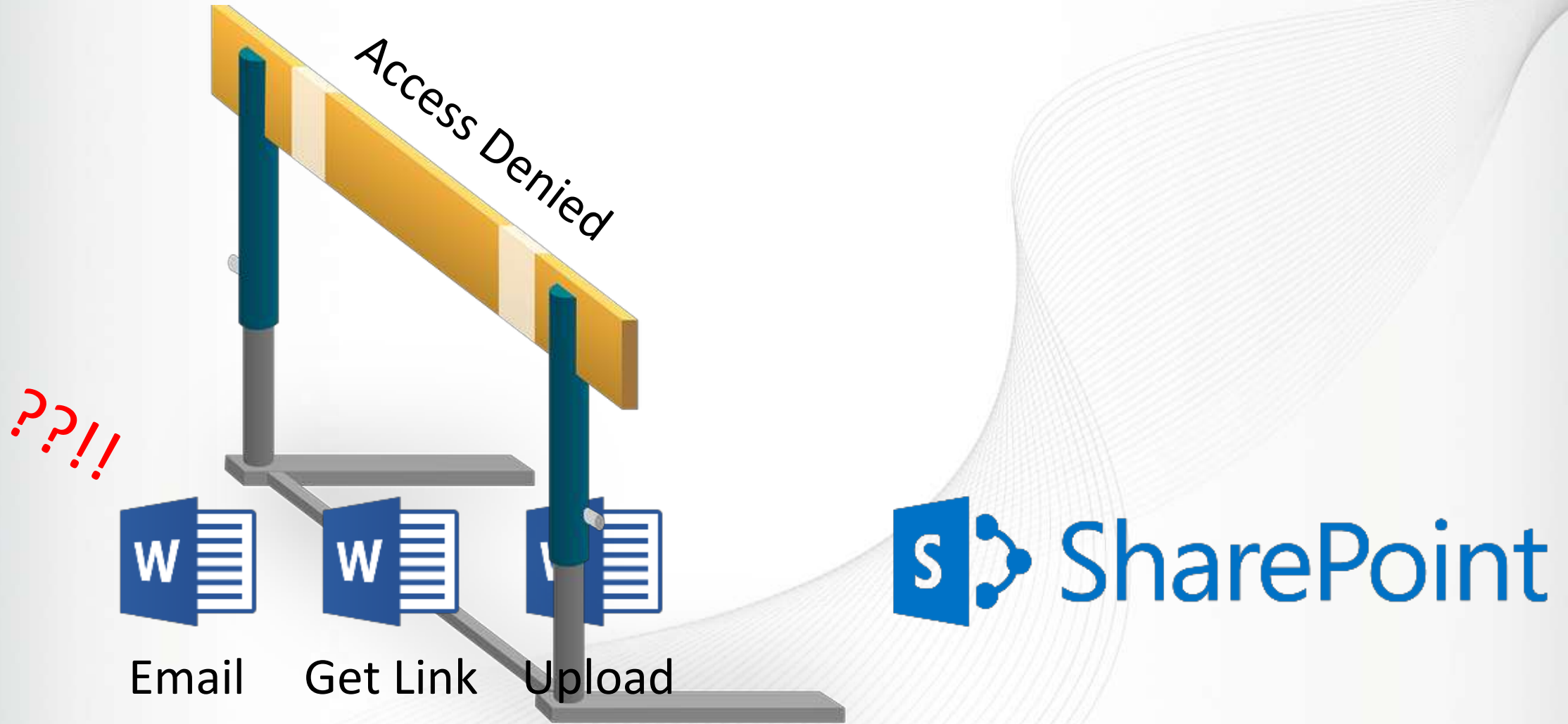
Shared My Device

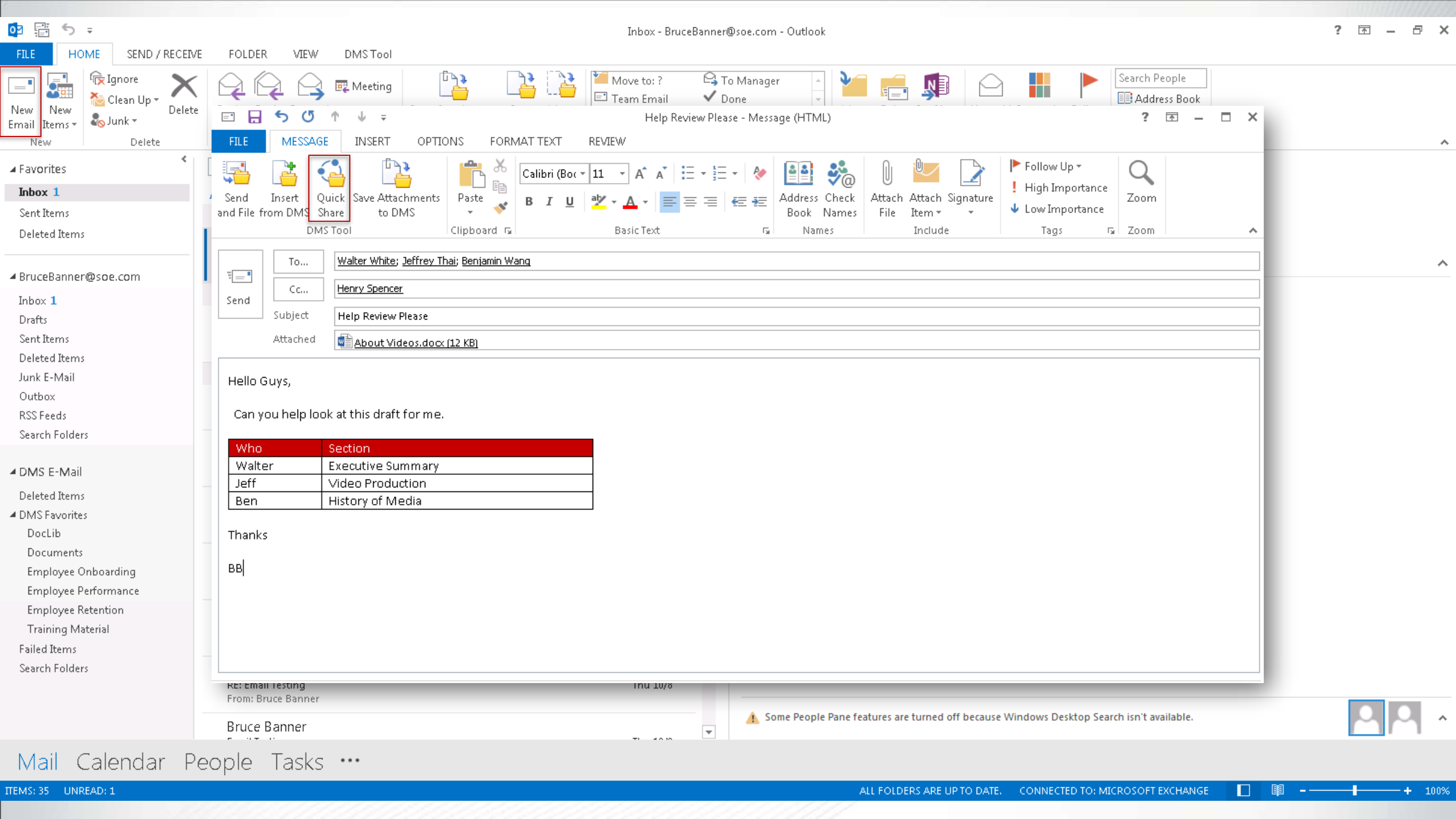
Shared With Me

My Documents	Last Shared Time: 3/19/2014 4:34:24 PM	Shared By: admin
Forrester - Information Governance Q1 2014.pdf	Last Shared Time: 3/21/2014 4:48:06 PM	Shared By: John White
[MS-OXPROTO].pdf	Last Shared Time: 3/19/2014 4:31:47 PM	Shared By: John White
[MS-AUTHWS].PDF	Last Shared Time: 3/19/2014 4:30:17 PM	Shared By: avepointadmin
sps-2013-design-sample-extranet.vsd	Last Shared Time: 3/20/2014 2:49:51 PM	Shared By: John White
SP106 SharePoint Challenges for IT Departments.pptx	Last Shared Time: 3/20/2014 11:37:40 AM	Shared By: John White
search_test.txt	Last Shared Time: 3/19/2014 4:29:43 PM	Shared By: avepointadmin

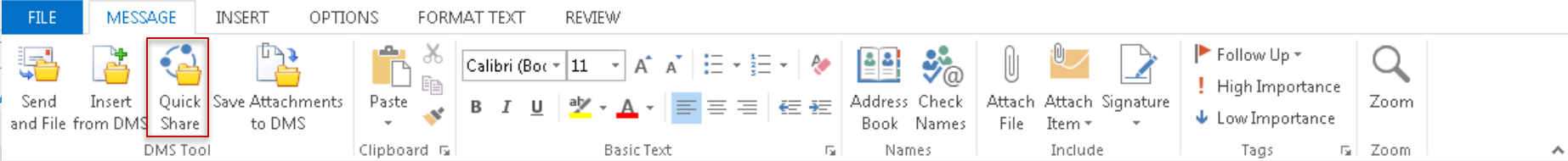
Page: 1

Example: File Sharing





Help Review Please - Message (HTML)



To... Walter White; Jeffrey Thai; Benjamin Wang

Cc... Henry Spencer

Subject Help Review Please

Attached About Videos.docx (12 KB)

Hello Guys,

Can you help look at this draft for me.

Who	Section
Walter	Executive Summary
Jeff	Video Production
Ben	History of Media

Thanks

BB

RE: Email Testing
From: Bruce Banner

Bruce Banner

Some People Pane features are turned off because Windows Desktop Search isn't available.



Hello Guys,

Can you help look at this draft for me.

Who	Section
Walter	Executive Summary
Jeff	Video Production
Ben	History of Media

Thanks

BB

[About Videos.docx](#)

Some People Pane features are turned off because Windows Desktop Search isn't av...

Bruce Banner

My Documents

Followed Documents

Recycle Bin

SkyDrive Pro

Documents

+

new document

or drag files here

All

...

Find a file

✓		Name	Modified	Sharing	Modified By
		Shared with Everyone	... November 16, 2014		<input type="checkbox"/> Bruce Banner
		About Legal	... April 20		<input type="checkbox"/> Bruce Banner
✓		About Videos ✱	... 3 minutes ago		
		DocAve_Online_User_Guide	... 6 days ago		
		Governance_White_Paper ✱	... Yesterday at 4:46 AM		
		IT Guideline	... November 16, 2014		

Shared With

- Walter White

Jeffrey Thai

Benjamin Wang

Henry Spencer

Can edit

Can edit

Can edit

Can view

INVITE PEOPLE

EMAIL EVERYONE

ADVANCED

Send

To...

Walter White; Jeffrey Thai; Benjamin Wang

Cc...

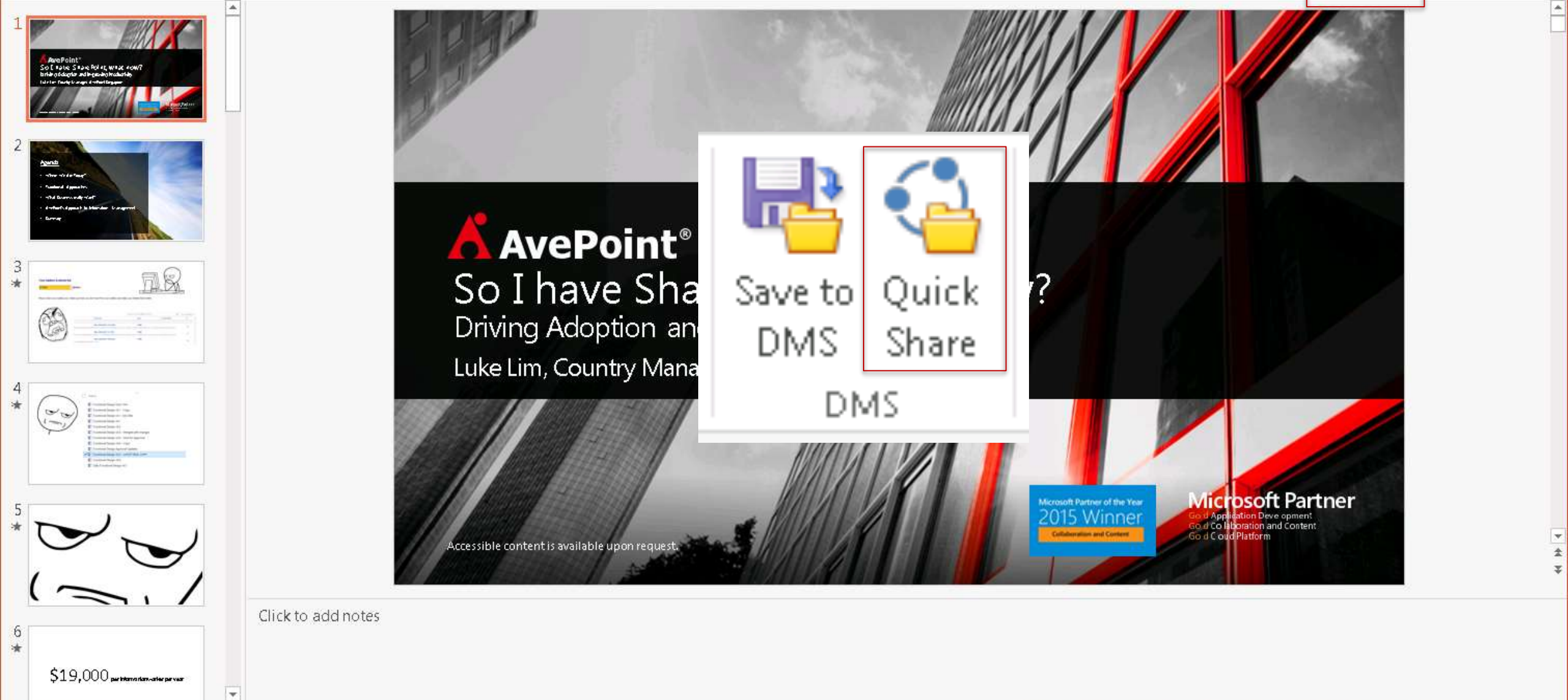
Henry Spencer

Subject

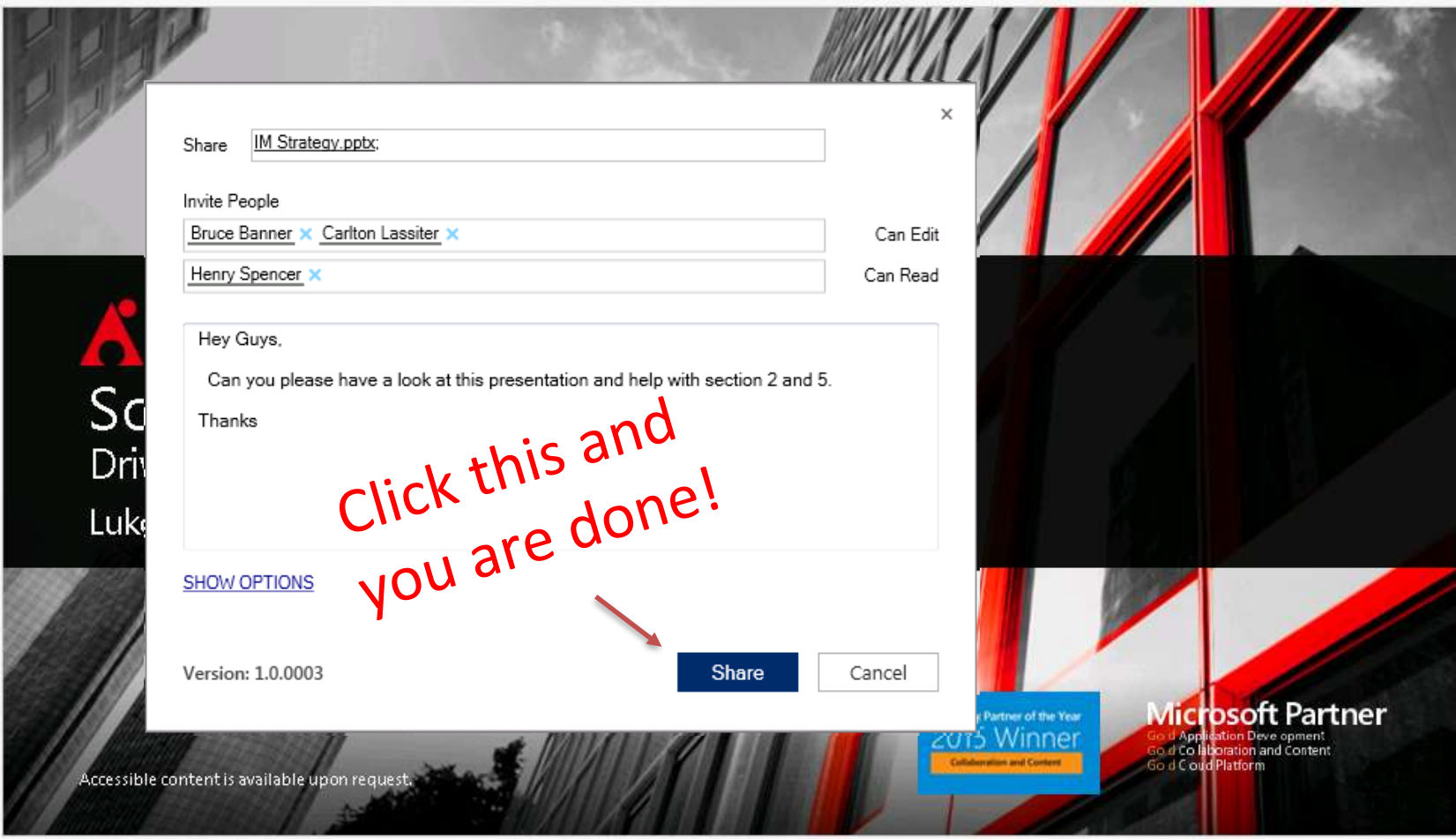
Help Review Please

Attached

About Videos.docx (12 KB)



- 1
- 2
- 3
- 4
- 5
- 6



Share IM Strategy.pptx

Invite People

Bruce Banner Carlton Lassiter Can Edit

Henry Spencer Can Read

Hey Guys,
Can you please have a look at this presentation and help with section 2 and 5.
Thanks

[SHOW OPTIONS](#)

Version: 1.0.0003

Share Cancel

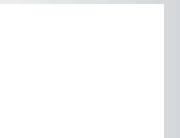
Click this and
you are done!



Click to add notes

The background features a light gray, wavy, textured pattern that resembles a stylized wave or a series of overlapping lines. A solid red horizontal banner is positioned across the middle of the image, containing the text "How about external collaboration?".

How about external collaboration?



New Document

Upload Document

New Folder

Edit Document

Check Out

Check In

Discard Check Out

Secure Share

Secure Share Details

Manage Shared Files

View Properties

Edit Properties

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Workflows

Publish

Tags & Notes



Luke Lim

My Documents

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Everyone in your organization can access the documents here.

[+ new document](#) or drag files here

All ...

✓	Name	Modified	Sharing	Modified By	Modified by (External)
	Citizen Service Management in Government	... October 30, 2013		Luke Lim	
✓	CitizenConnect - APAC Community Call	... October 23, 2014		Luke Lim	
	CitizenConnect - Indonesia Community Call	... April 30		Jaron Ong	
	CitizenConnectE311	... February 25		Luke Lim	
	Cloud Roadmap 2014	... July 03, 2014		Luke Lim	
	EDMS Approach - FULL	... April 10		Luke Lim	
	FULL InfoMap01	... April 12		Luke Lim	
	IM Strategy	... July 03		Luke Lim	
	Information Management	... June 23, 2013		Luke Lim	
	MAS-AvePoint DMS	... September 02		Luke Lim	
	Meet the People	... April 23		Luke Lim	
	Modern Government Briefing	... October 03, 2014		Luke Lim	
	Perm Sec Demo	... July 15		Luke Lim	
	Singapore Org Structure	... March 02		Luke Lim	
	So I have SharePoint - Whats next	... Yesterday at 2:08 PM		Luke Lim	

New Document

Upload Document

New Folder

Edit Document

Check Out

Check In

Discard Check Out

Secure Share



Luke Lim

My Documents

Followed Documents

Everyone in your organization can

+ new document or dra

All ... Find a file

- ✓ Name
- Citizen Service Manager
- ✓ CitizenConnect - APAC C
- CitizenConnect - Indone
- CitizenConnectE311
- Cloud Roadmap 2014
- EDMS Approach - FULL
- FULL InfoMap01
- IM Strategy
- Information Managemen
- MAS-AvePoint DMS
- Meet the People
- Modern Government Bri
- Perm Sec Demo
- Singapore Org Structure
- So I have SharePoint - Whats next

Secured Share

Share With

To share files with others, please enter their e-mail addresses. If you want users to receive an e-mail notification, select the "Send e-mail notifications to these users" checkbox. To share with multiple users, separate their e-mail addresses with ";". To add a custom message into an e-mail, select the checkbox and enter your desired message in the text box below.

Permission Level

Select the permission level you want to grant users for shared files, folders, or libraries.

[Learn more about permission levels](#)

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Select whether to share updates to these files. If you select Yes, the updates will be shared via the AvePoint Perimeter External Portal or AvePoint Perimeter mobile app.

Expiration Time:

Select how long you would like to share this file with the selected users. To provide users with unlimited access, please leave this field blank.

Select users:

limsplace@hotmail.com

☒ Send e-mail notifications to these users:

Hello,

Please find attached the slide. Can you please update slide 5 as per our discussion.

Select a permission level:

- ☐ Read Only
- ☐ Download
- ☒ Edit
- ☒ Edit in Browser Only

Share updates?

☒ Yes ☐ No

Expiration Time

12 AM 00

OK

Cancel

FileEditViewHistoryBookmarksToolsHelp

My FilesPowerPoint Web App


https://office-external.avepoint.net/p/PowerPointFrame.aspx?access_token=yds3t5xAVczJ2ze:


Search


☆📁🔍⬇️🏠💬☰


AvePoint Perimeter External PortalCitizenConnect - APAC Community Call.pptxMicrosoft PowerPoint Web Applmsplace@hotmail.com?


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**AvePoint®**



CITIZENCONNECT
FOR MICROSOFT CITYNEXT


Modernize
Government


Encourage
Engagement


Increase
Transparency


Mobilize
Operations



SLIDE 2 OF 31

NOTES📄📖🖨️

My Shared Files

My Shared Files > View Document Usage



Luke Lim

My Documents

Followed Documents

OneDrive for Business

Search everything

Documents Shared with Everyone

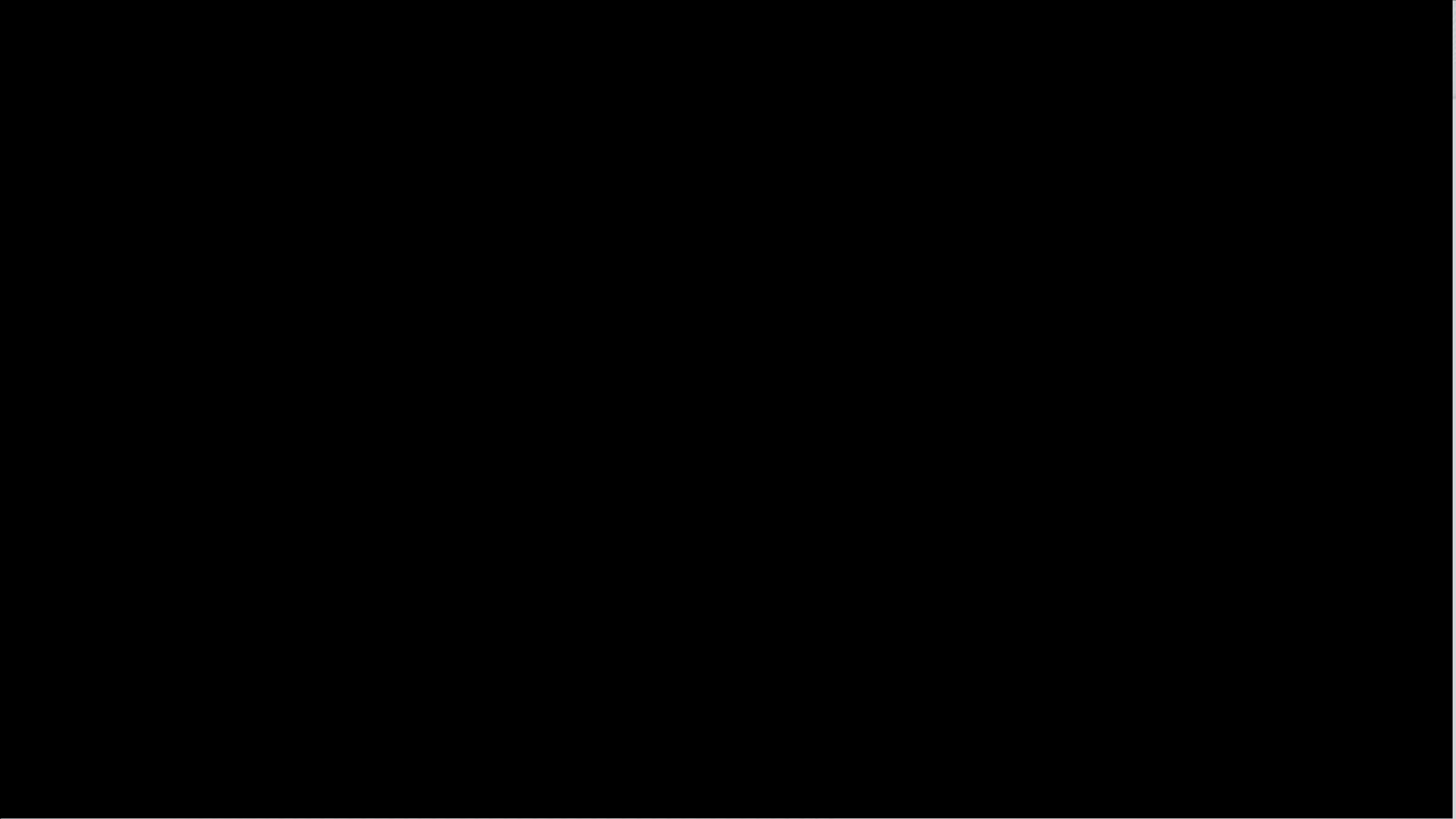
Luke Lim

Everyone in your organization can access the documents here.

+ new document or drag files here

All ... Find a file

	Name	Modified	Sharing	Modified By	Modified by (External)
✓	Citizen Service Management in Government	October 30, 2013		Luke Lim	
	CitizenConnect - APAC Community Call	A few seconds ago		s-per mgr	limsplace@hotmail.com
	CitizenConnect - Indonesia Community Call	April 30		Jaron Ong	
	CitizenConnectE311	February 25		Luke Lim	
	Cloud Roadmap 2014	July 03, 2014		Luke Lim	
	EDMS Approach - FULL	April 10		Luke Lim	
	FULL InfoMap01	April 12		Luke Lim	
	IM Strategy	July 03		Luke Lim	
	Information Management	June 23, 2013		Luke Lim	
	MAS-AvePoint DMS	September 02		Luke Lim	
	Meet the People	April 23		Luke Lim	



Report and Audit

4

Many names, same idea...

"RECERTIFICATION"

"ATTESTATION"

"ANNUAL REVIEW"

Hey! take a look...
are the current
settings still
appropriate?
If no– make the
changes.
If yes– sign off on it.

Recertification drivers may be **internal** (company controls),
external (regulatory requirement) or both

Regular Recertification



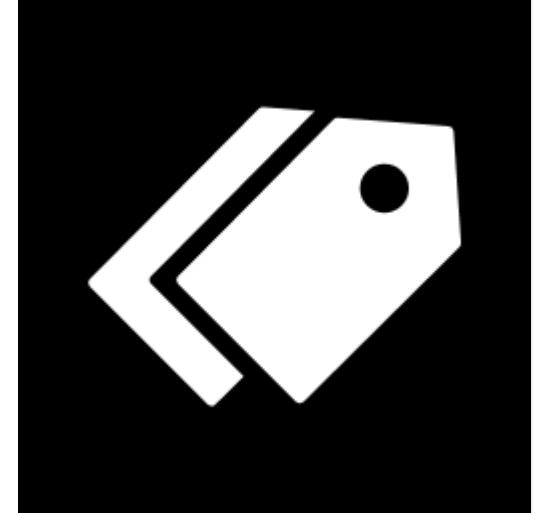
Access Permissions

*Who can do what to
the stuff in here?
Does Bob still need his
access?*



Data Ownership

*Who is responsible for
the stuff in here?
Are they still here and
willing to own it?*



Classification

*Tell me about the stuff
that lives in here...
Is it sensitive?
Is it important?*


Incident Management

 Replace  Permanently Delete  Dismiss  Download

Input Keyword



Manage columns ▾

<input type="checkbox"/>	Type	ID	Name	State	Risk	Test Suite	Assignee
<input checked="" type="checkbox"/>	<div><div>Scan Details</div><div>Highlight Matches Report</div><div>Lifecycle</div><div>Permissions</div><div>Comments</div><div>History</div></div>						
<input type="checkbox"/>	Check	Description			Status	Change Status	
<input type="checkbox"/>	Credit Card Information...	Credit Card information should not appear on the page.			✓ Passed	Change Status	
<input type="checkbox"/>	Identify E-mail Address in...	E-mail addresses could expose PII, this check identifies all pages with PII.			✓ Passed	Change Status	
<input type="checkbox"/>	▼ Identify IP Address in the...	IP Address could expose PII, this check identifies all pages with PII.			! Failed	Change Status	
<input type="checkbox"/>	<div><div> Status: Failed; The possible IP address data were found.</div><div>Statistics: Found 1 Instance(s)</div><div>Positions: Line 220, Column 8;</div></div>						
<input type="checkbox"/>	Identify Poll or PHT Data...	Identify all types of PII Data			✓ Passed	Change Status	
<input type="checkbox"/>	► Identify Social Security...	Social Security numbers could expose Poll, this check identified all Pages with I			! Failed	Change Status	
<input type="checkbox"/>	Identify URLs in the content...	Identify all content with URL Data			✓ Passed	Change Status	
<input type="checkbox"/>	Information (PII) Data						

1 of 200 selected

Show Rows: 10 ▾



1

2

3

4

5



Establish Data Governance Framework



Your Data. Your Call.

IT'S NOT
ALL OR
NOTHING.

What's Right For You?

Office 365

- "I'd like to cut
- Critical workloads
 - Collaboration spaces
 - Productivity apps"

IaaS or
Private Cloud

- "I'd like to
- Customize solutions
 - Full control but
 - No hardware control."

On-Prem

- "I need to maintain full control over my data and have specific data sovereignty requirements"
- Sensitive workloads
 - Data with location restrictions
 - Legacy solutions and customizations
 - Full Control

Gracias

ευχαριστώ

Danke

Grazie

Hvala

Obrigado

Kiitos

شكراً

谢谢

Ahsante

Teşekkürler

متشكرم

Salamat Po

Cám ơn

شكريه

Terima Kasih

Dank u Wel

Tack

நன்றி

Köszönöm

ありがとう
ございます

ขอบคุณครับ

Mulțumesc

תודה

多謝晒

дядкую

Ďakujem

спасибо

благодаря

Tak

감사합니다

Děkuji

Dziękuję

thank you