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SharePoint: information security's weakest link?

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ISF UK Chapter

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Agenda

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- About Us
- The issue with SharePoint
- Some statistics about SharePoint and related Security
- How data classification can help
- What it can look like
- Secure collaboration panacea
- Summary

Secure collaboration challenges

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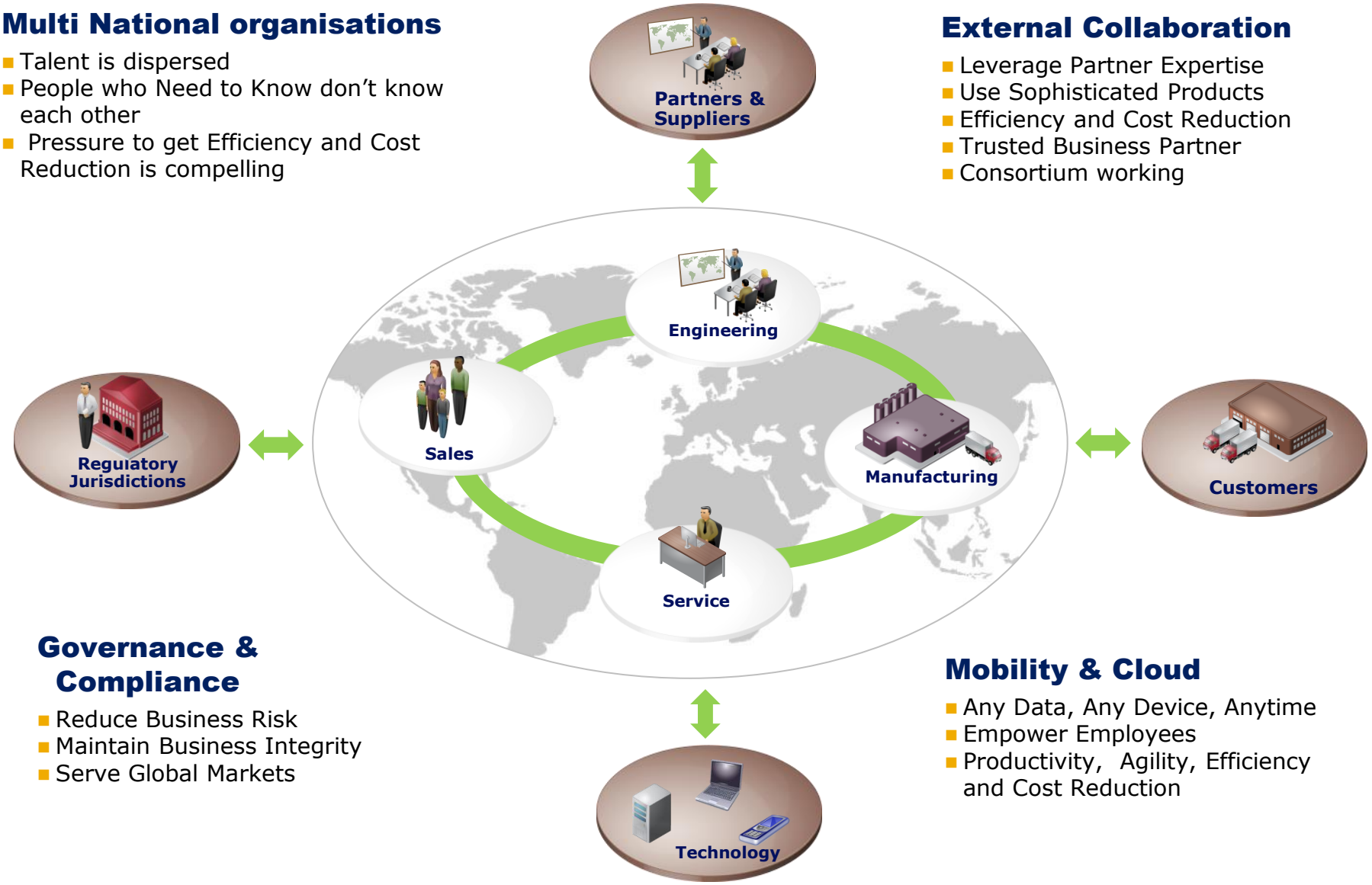
Multi National organisations

- Talent is dispersed
- People who Need to Know don't know each other
- Pressure to get Efficiency and Cost Reduction is compelling

External Collaboration

- Leverage Partner Expertise
- Use Sophisticated Products
- Efficiency and Cost Reduction
- Trusted Business Partner
- Consortium working



Governance & Compliance

- Reduce Business Risk
- Maintain Business Integrity
- Serve Global Markets

Mobility & Cloud

- Any Data, Any Device, Anytime
- Empower Employees
- Productivity, Agility, Efficiency and Cost Reduction

Traditional security limitations

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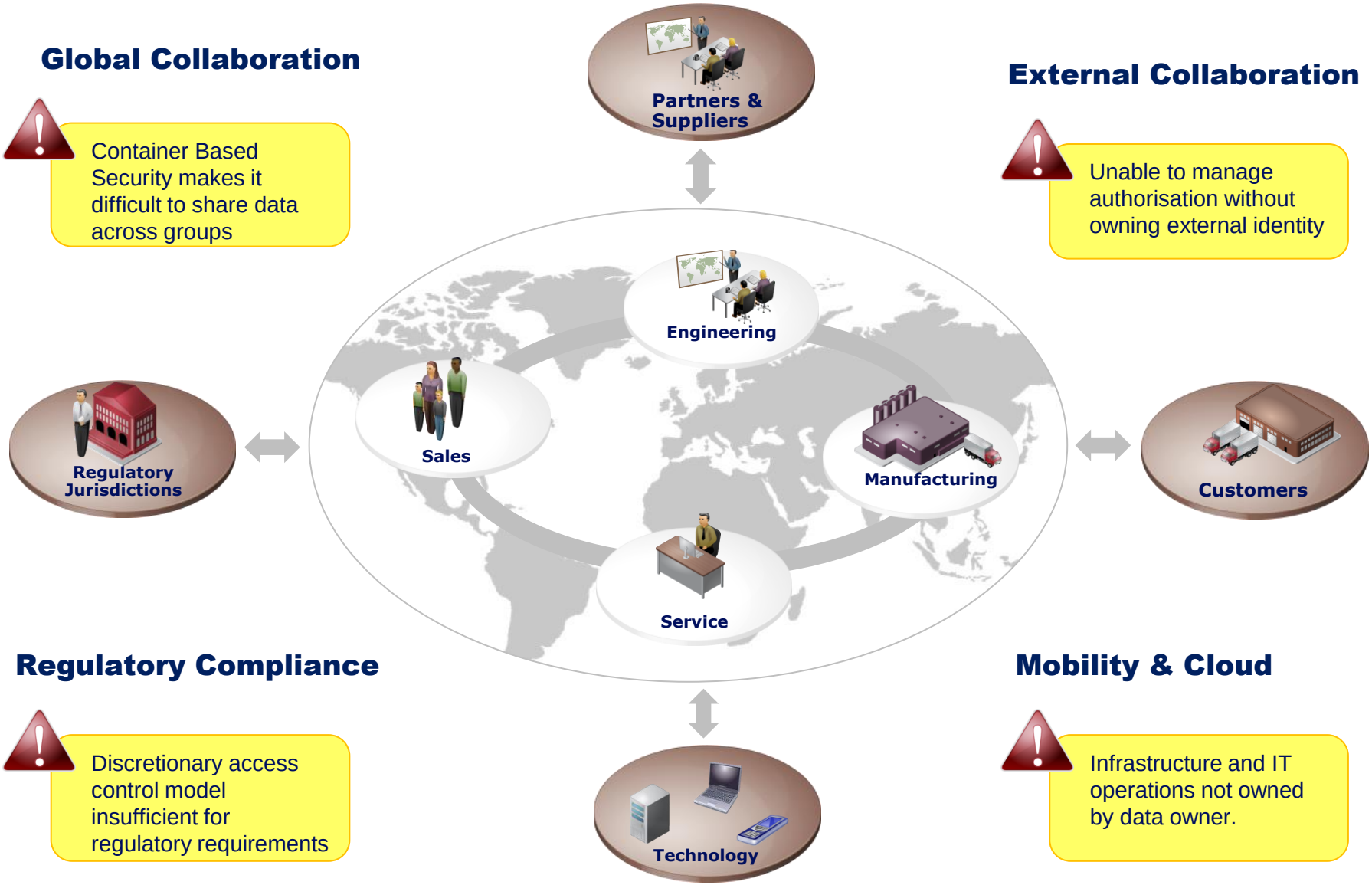
Global Collaboration

Container Based Security makes it difficult to share data across groups

External Collaboration

Unable to manage authorisation without owning external identity



Regulatory Compliance

Discretionary access control model insufficient for regulatory requirements

Mobility & Cloud

Infrastructure and IT operations not owned by data owner.

Every CISO's worst nightmare…

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- Multiple access points, remote working
- User access control and permissions to manage
- Extended throughout supply chain
- Massive storage limits available
- Lack of automated tools for managing user access rights
- Enforcing data governance policies challenging
- Infrequent visits leads to a document graveyard…

...unmanageable from a data security perspective!

The SharePoint Black Hole…

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Starts like this….

Ends up like this…

The ideal garage…

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Why is it so difficult to manage?

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- Not SharePoint's fault
- Lack of policy, processes and procedures
- Lack of tools to help support access control and enforce data governance policies
- Employee turnover, loss of knowledge

SharePoint Security

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- So how do people approach SharePoint Security?
- Some results from a survey that we carried out in late 2012

How secure is SharePoint?

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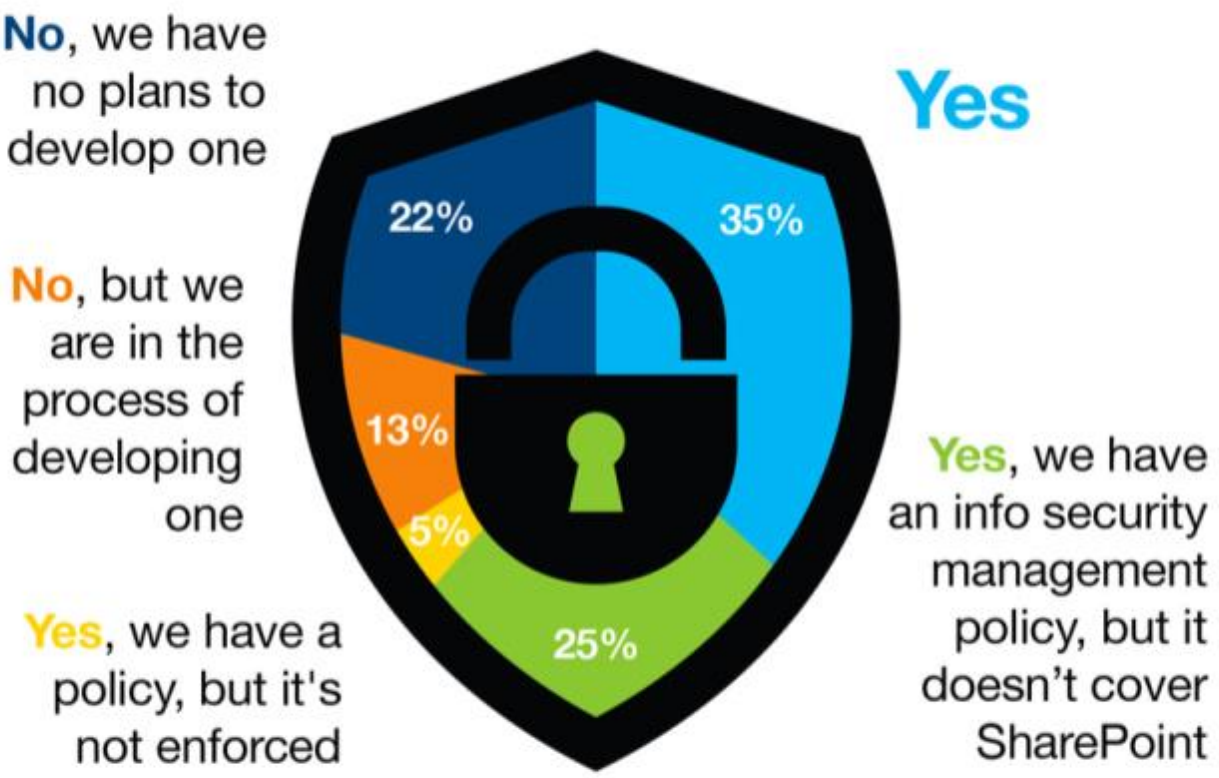
Does your organisation have an information security policy and does it encompass the use of SharePoint?



65% of organisations do not have a security policy that covers SharePoint

Perceived benefits

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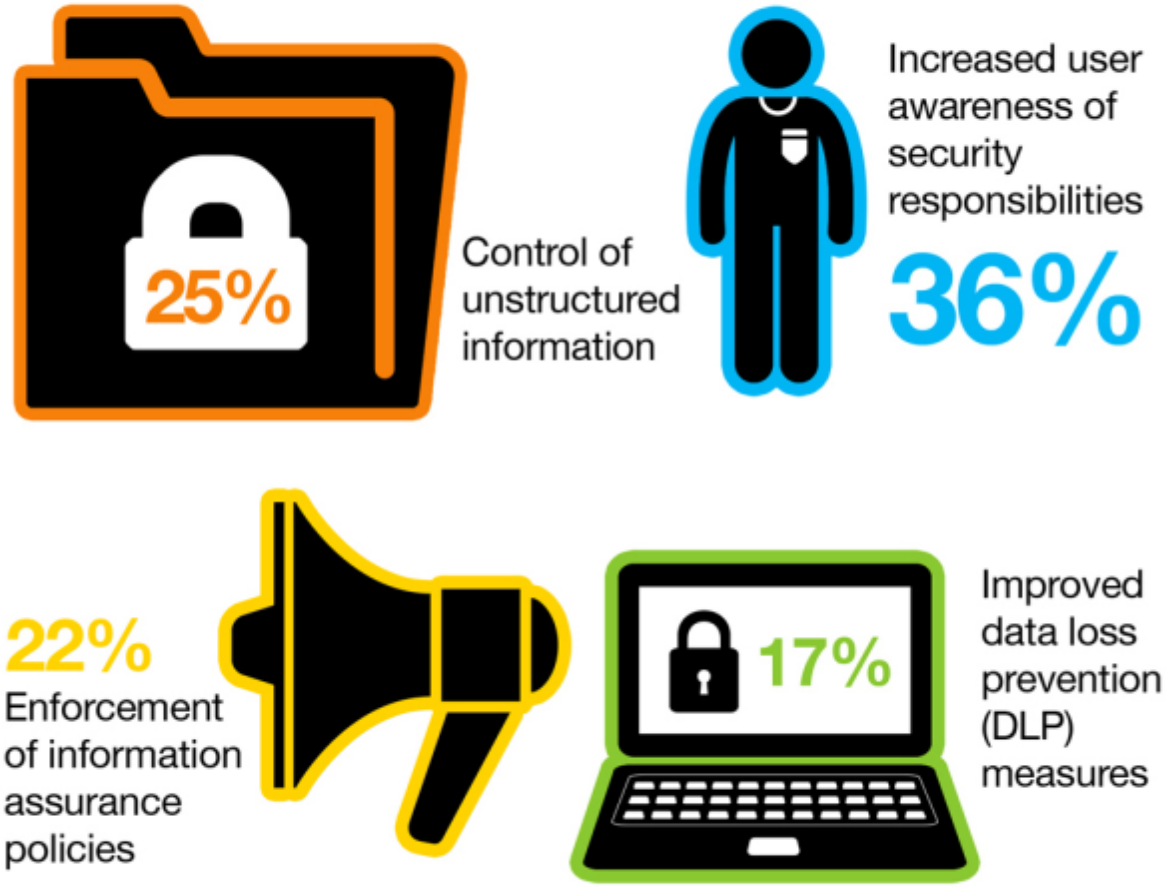
What do you see as the biggest benefit of protectively marking information held in SharePoint?



Putting the foundations in place

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Do you currently protectively mark information?

9% We mark all email

9% We mark all documents

17% We mark all email and documents

65% We don't mark anything

Need for greater Access Control

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- SharePoint customers often struggle with managing fine grain access

- Provides the capability to authorise, classify, enforce and audit enterprise resources

- Need for collaboration that simplifies classification and enforces dynamic control according to centrally defined policies

- Enterprises need to enjoy secure internal/external collaboration while improving compliance and protecting intellectual property

What is Classification?

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"placing a key identifier onto a piece of information to ensure appropriate handling"

Visual Markings

Metadata

Handling Rules

User driven data classification

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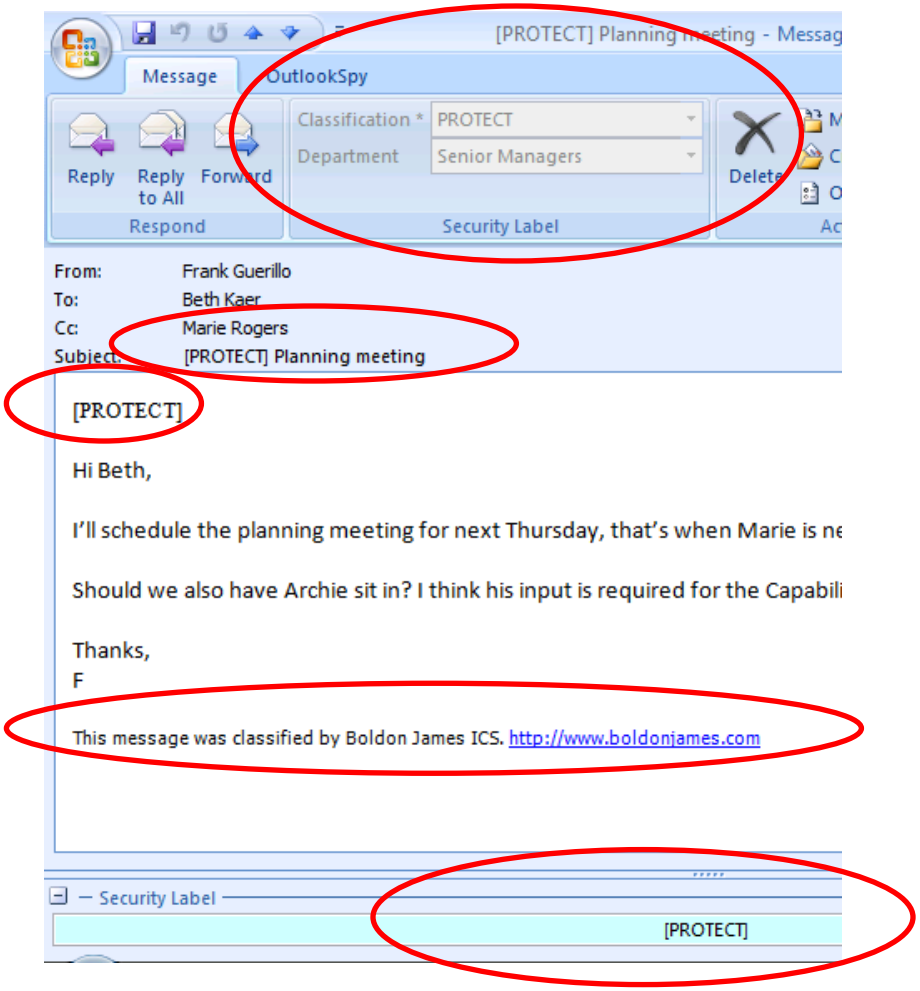
- Dynamic and proactive labelling
- Enforce Labelling/Data Classification Policy
- Domain, User & Attachment checks
- Ensure consistent markings are applied
- Visual Labels & Metadata
- Multiple platforms & file types



How can data classification help?

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Raise User Awareness

Control Unstructured Data

Protect valuable and sensitive information

Metadata drives technology

More effective access control

Metadata – the secret sauce

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Metadata drives complementary security and information management technologies:

- **Data Loss Prevention** (e.g. Symantec, McAfee)
- **Rights Management Systems** (RMS)
- **Document Management Systems** (EDRMS)
- **Archiving** (e.g. Symantec EV)
- **Search & Retrieval** (e.g. eDiscovery)
- **Encryption** (e.g. Egress)
- **Fine Grain Access Control** (e.g. Nextlabs)

Securing data through the lifecycle

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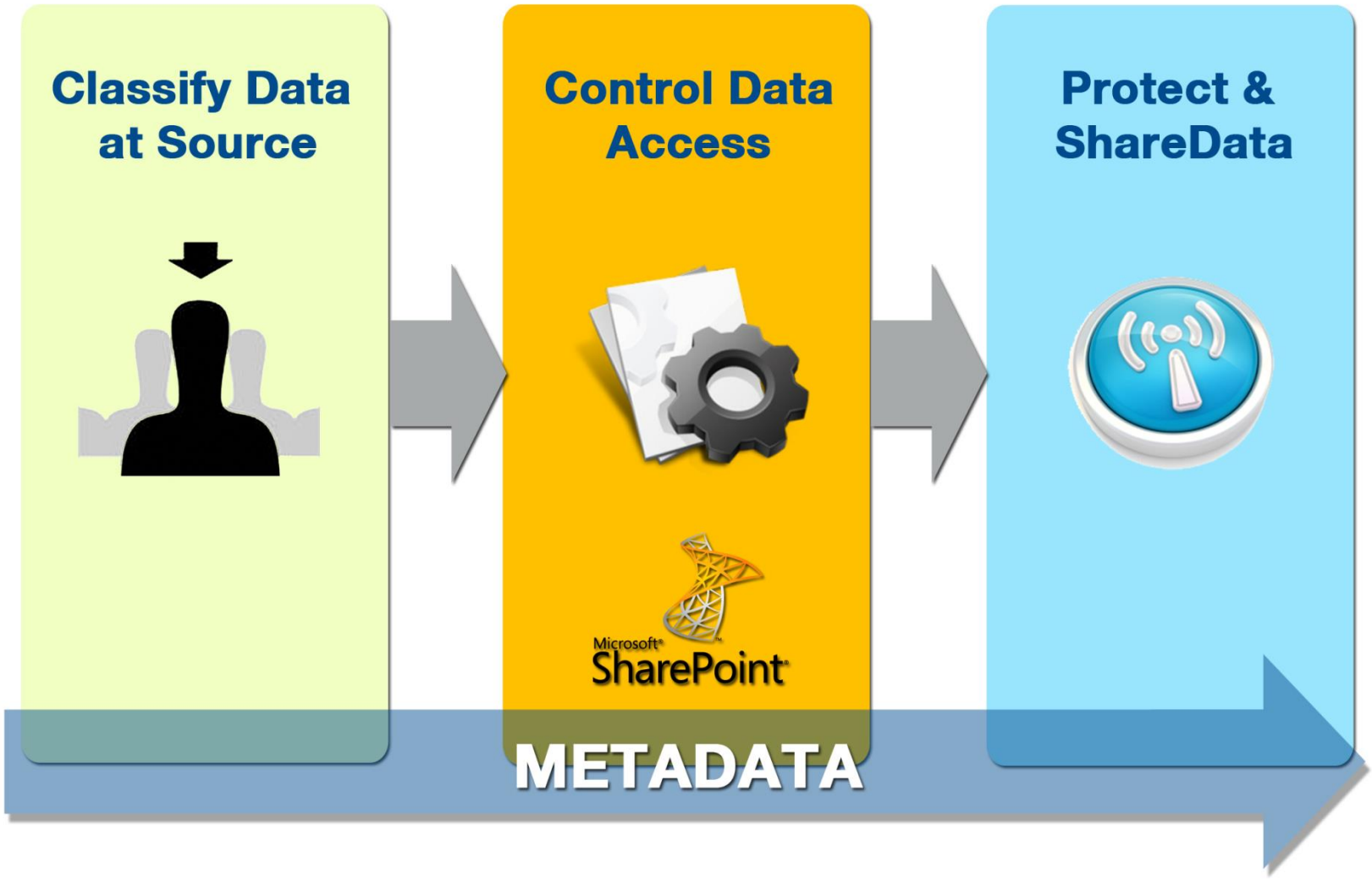

Access Control in Practice

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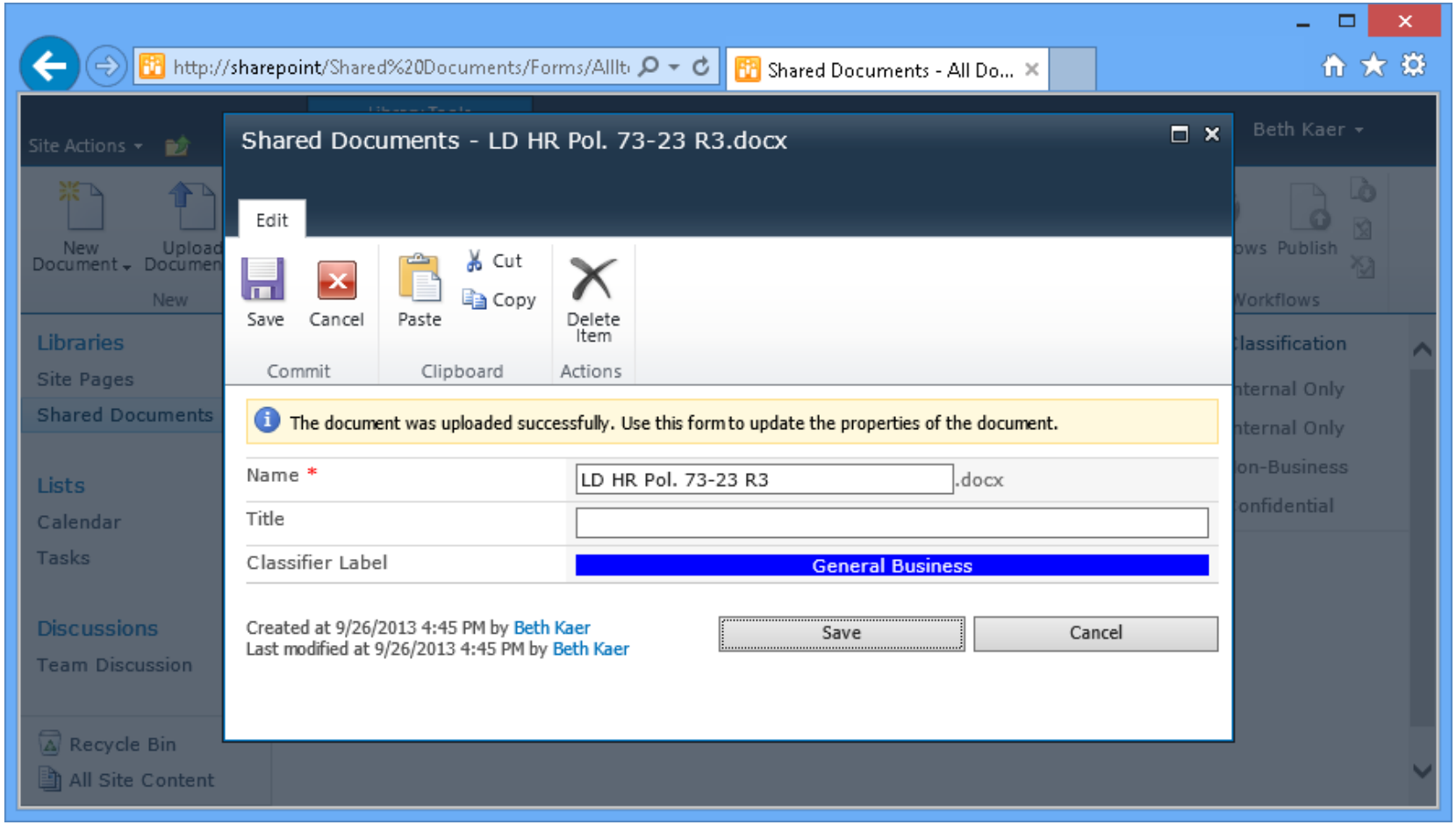
- Check & apply labels upon upload
- Enforce classification upon import



Access control (cont.)

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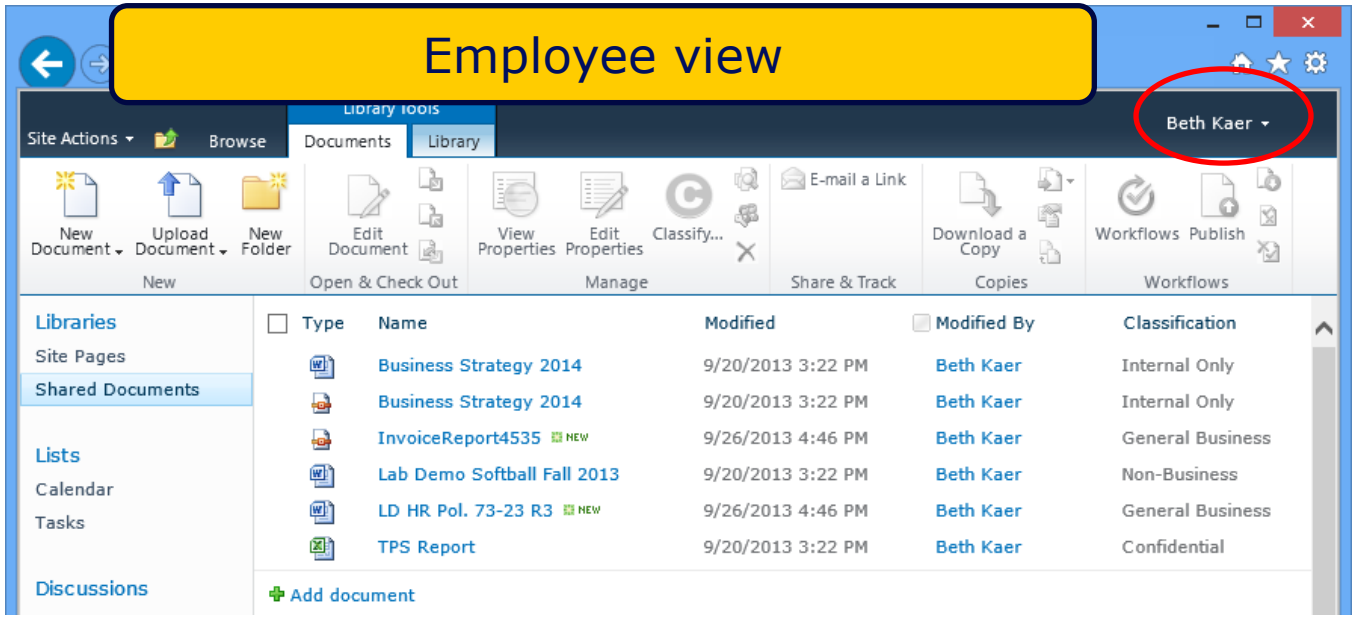
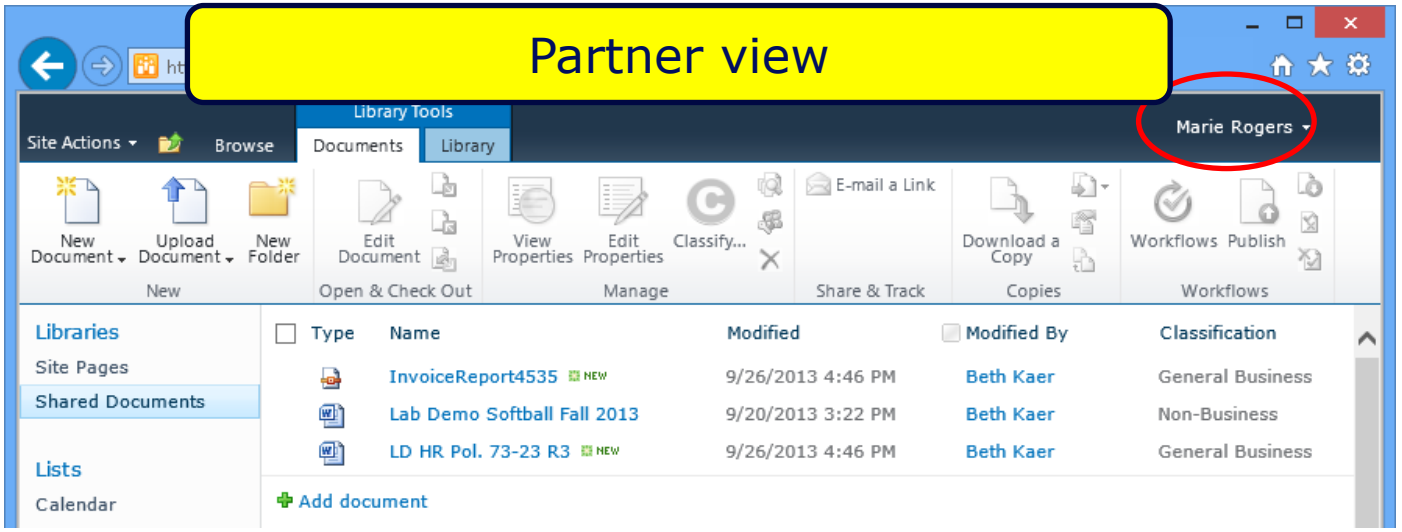


- Access control by classification value



The Secure Collaboration Panacea…

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Global Business Process

Classification driven access control align security with data value

External Collaboration

Control access to data for external partners based on partner claims

Regulatory Compliance

Turn Compliance Rules into automated information controls

Mobility & Cloud

Protects data from privileged users on 3rd party infrastructure

Summary

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How you can turn SharePoint from being the weakest link to your strongest ally…

- Appropriately classify data at point of creation
- Control access based on the sensitivity and value of data
- Ensure that access management stays with the document

To realise the following benefits…

- Supports compliance to industry regulations and standards
- Maintain business viability – protect intellectual property
- Supports more secure collaborative working across the supply chain
- **Greater return on your SharePoint investment**

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Thank you for your time

For more information please contact us

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