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Understanding Rights Management

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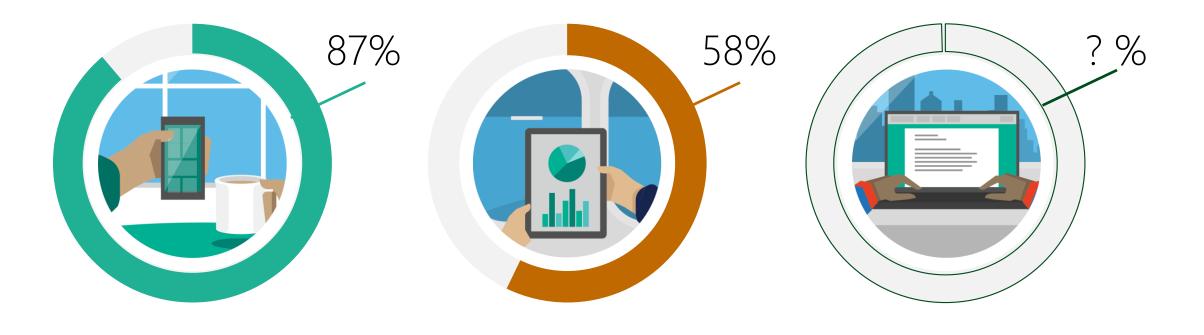








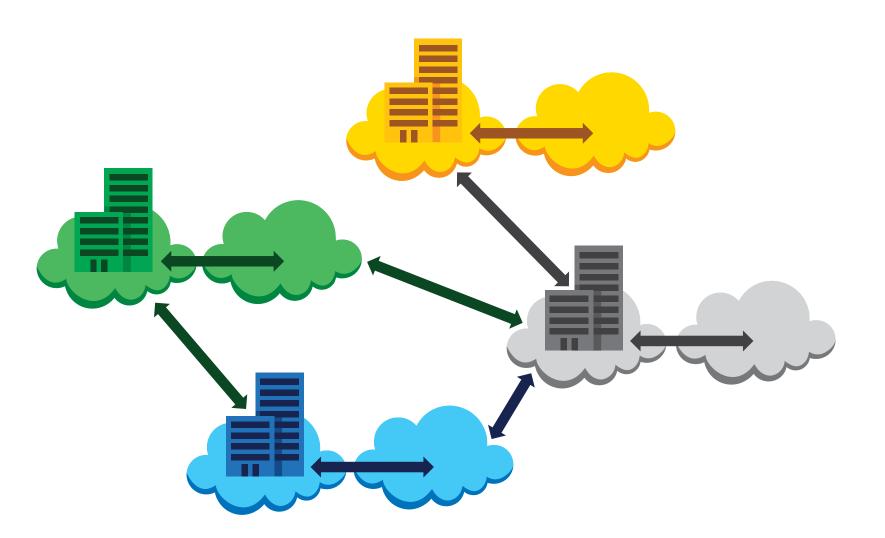
Data protection realities



87% of senior managers admit to regularly uploading work files to a personal email or cloud account. 58% have accidentally sent sensitive information to the wrong person.

Focus on data leak prevention for personal devices, but ignore the issue on corporate owned devices where the risks are the same

Enabling data to flow from one organization to another



Sharing data

Securely share any file type, from within common user experiences

Between organizations

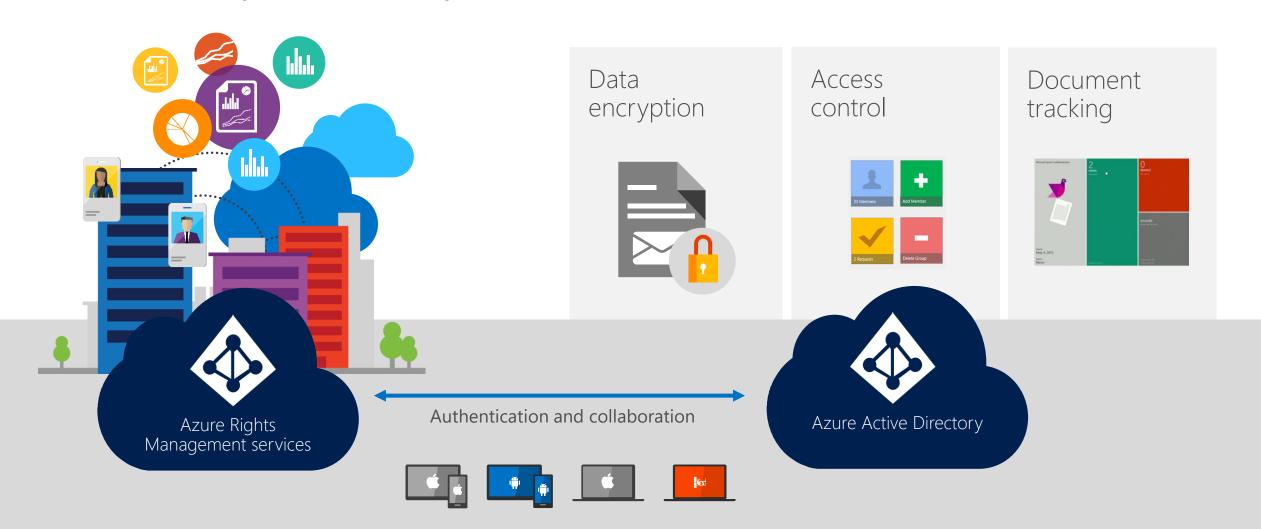
Authenticate users from other organizations (without having to implement point to point federation)

Maintain control

Enlightened applications such as Office and PDF readers offer the ability to enforce rights.

Secure collaboration with Azure RMS

Share internally and externally



Protect data with Rights Management



Take advantage of **HYBRID** options across Windows Server and Azure Rights Management service **INTEGRATE** Microsoft SharePoint and Microsoft Exchange Server Automatically IDENTIFY
AND CLASSIFY data
based on content
with AUTOMATIC
ENCRYPTION

MORE SECURELY SHARE documents with colleagues and business partners Improve ease of use through INTEGRATION WITH OFFICE, WINDOWS SHELL extensions, and CROSS-PLATFORM CLIENTS

Rights Management 101

FILE IS PROTECTED BY AN AES SYMMETRIC KEY

USAGE RIGHTS + SYMMETRIC KEY STORED IN FILE AS 'LICENSE'

LICENSE PROTECTED BY ORG-OWNED RSA KEY

SECRET COLA FORMULA

Water HFCS Brown #16 **PROTECT**



#!@#!#!@#!
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SECRET COLA FORMULA

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Rights Management 101

FILE CONTENT IS NEVER SENT TO THE RMS SERVICE





ENLIGHTENED APPS USE THE RMS SDK WHICH COMMUNICATES WITH THE RMS KEY MANAGEMENT SERVERS

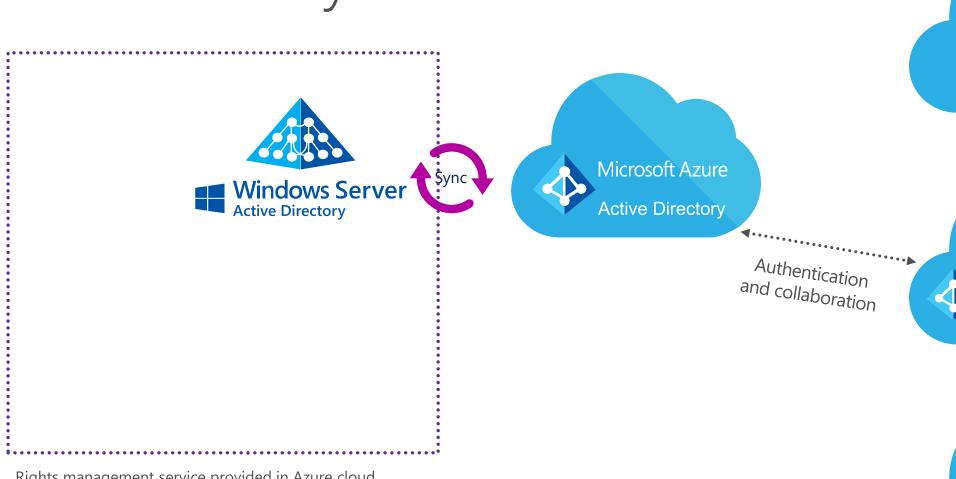


Windows Server
Rights Management

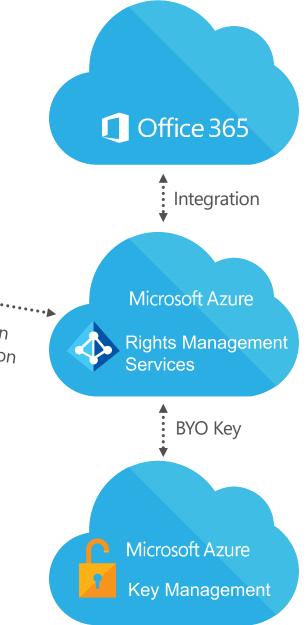


RMS-ENLIGHTENED APPS ENFORCE RIGHTS, GENERIC PROTECTION OFFERED BY THE RMS APP'

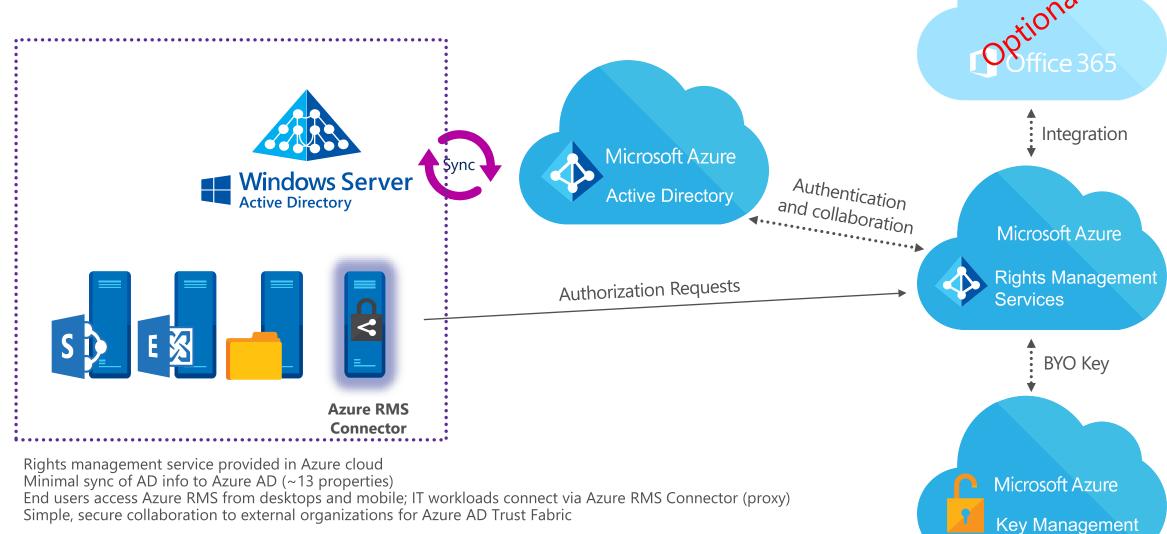
Cloud Ready

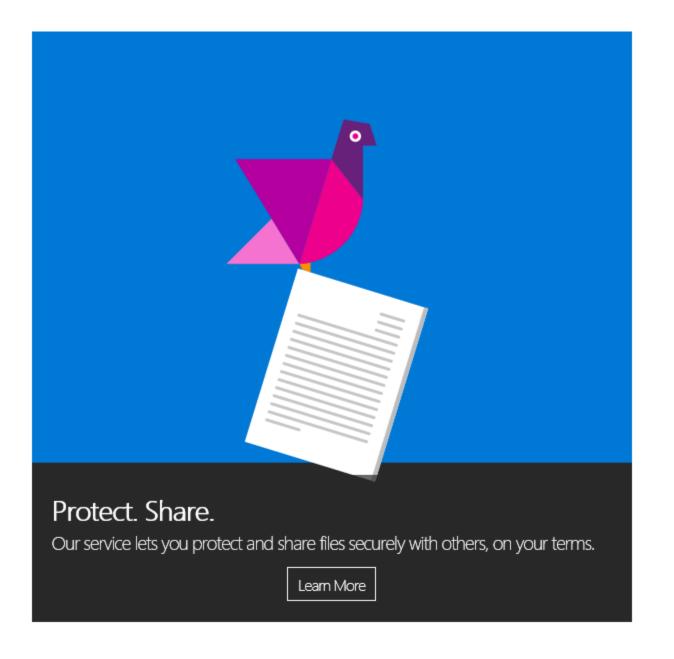


Rights management service provided in Azure cloud Complete Sync of AD info to Azure AD End users access Azure RMS from desktops and mobile Simple, secure collaboration to external organizations for Azure AD Trust Fabric



Cloud Accepting







Welcome!

Let's see if you can open the RMS-protected document. Enter your work email address that you used to open the email message.

someone@example.com

Next

By clicking next, you agree to our terms of use.

Use of documents that are protected by Microsoft Rights Management might be tracked by the sender and/or by their organization's IT administrator. To learn more, see the Privacy Statement.



Your work or school account can be used anywhere you see this symbol. © 2016 Microsoft Legal Privacy Feedback

Office 365 Rights Management

Rights Management

Feature	RMS for Office 365	EMS or Azure RMS Premium
Users can create and consume protected content by using Windows clients and Office applications	•	•
Users can create and consume protected content by using mobile devices	•	•
Integrates with Exchange Online, SharePoint Online, and OneDrive for Business	•	•
Integrates with Exchange Server 2013/Exchange Server 2010 and SharePoint Server 2013/SharePoint Server 2010 on-premises via the RMS connector	•	•
Administrators can create departmental templates	•	•
Organizations can create and manage their own RMS tenant key in a hardware security module (the Bring Your Own Key solution)	•	•
Supports non-Office file formats: Text and image files are natively protected; other files are generically protected	•	•
RMS SDK for all platforms: Windows, Windows Phone, iOS, Mac OSX, and Android	•	
Integrates with Windows file servers for automatic protection with FCI via the RMS connector		•
Users can track usage of their documents		•
Users can revoke access to their documents		•

https://technet.microsoft.com/en-us/network/dn858608.aspx

Enable IRM in Office 365

Enable Office 365 Rights Management

rights management



Rights management is activated

Rights Management safeguards your email and documents, and helps you securely share this data with your colleagues.

To disable Rights Management, click deactivate.

deactivate

additional configuration

You can configure advanced features for Rights Management using Microsoft Azure.

Don't have an Azure subscription? Before you click Advanced Features, sign up for a free 30 day trial.

advanced features

resources

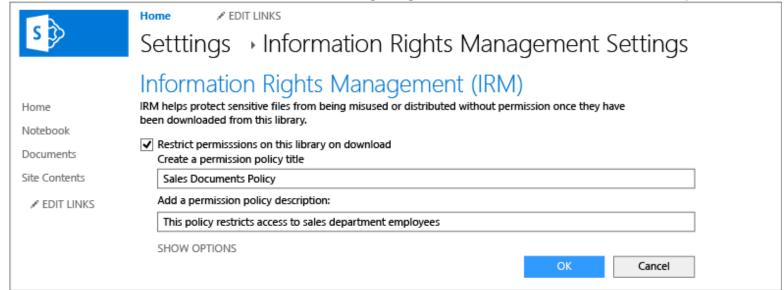
- What is Rights Management?
- Rights Management Deployment roadmap
- Using Rights Management
- FAQs For Rights Management

Enable IRM in Office 365: SharePoint online

At the global level:



And then for each library you want to protect:



Enable IRM in Office 365: Exchange Online

Use PowerShell

Tell Exchange Online where to find the Azure RMS key for your location - example:

```
Set-IRMConfiguration -RMSOnlineKeySharingLocation "https://sp-rms.na.aadrm.com/TenantManagement/ServicePartner.svc"
```

Import the key

```
Import-RMSTrustedPublishingDomain -RMSOnline -name "RMS Online"
```

Enable IRM functionality

Set-IRMConfiguration -InternalLicensingEnabled \$true

Detailed procedures at https://technet.microsoft.com/en-us/library/dn151475(v=exchg.150).aspx

Enable RMS in Office Apps

Office 2013/2016:

Users sign in with their Microsoft Office 365 credentials is all that is required. Recommend also install RMS sharing app for Office add-in.

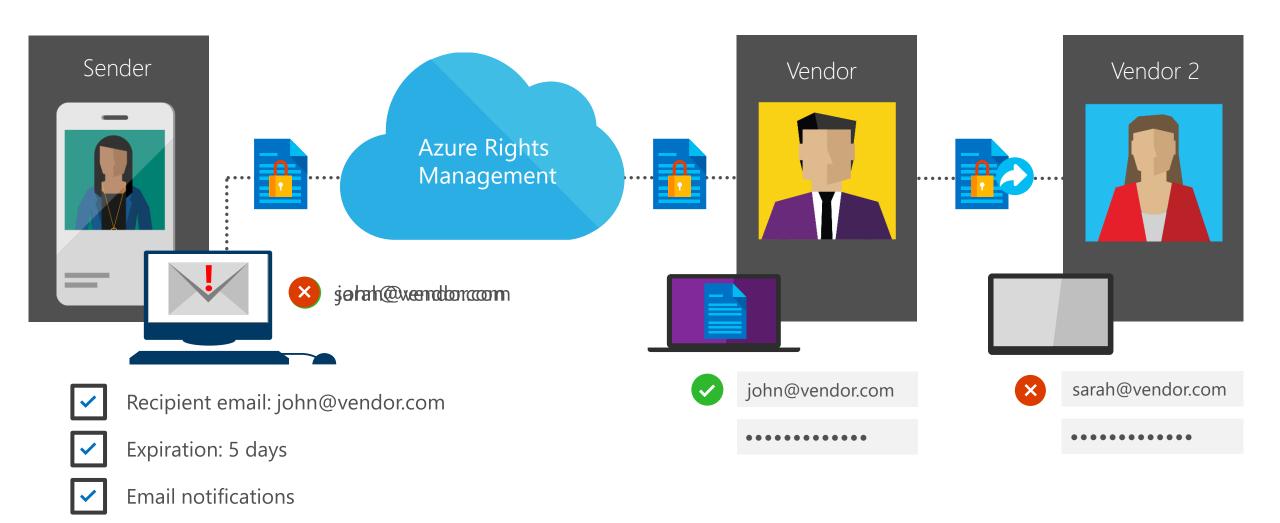
Office 2010:

First install RMS sharing app, then ask users to sign in with their Microsoft Office 365 credentials

Document Tracking

Secure collaboration with RMS

Permissions: Read only

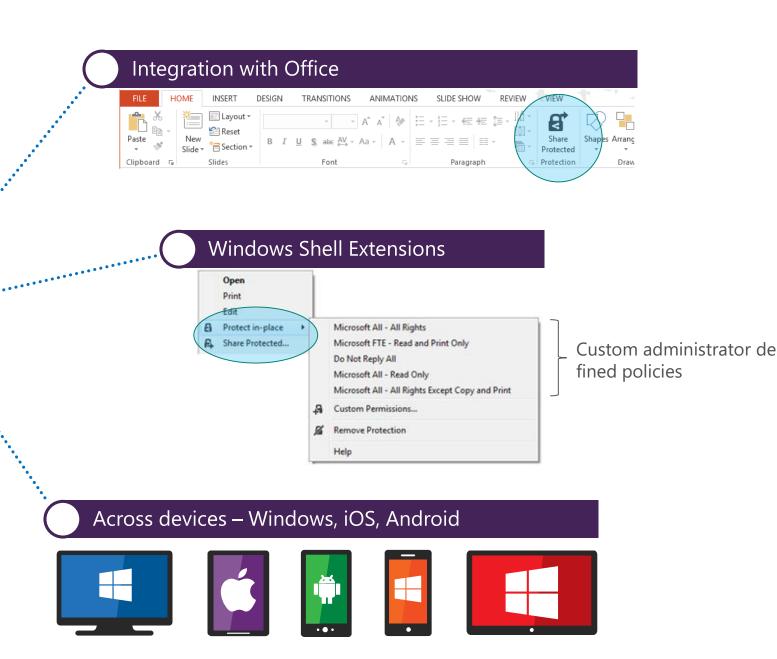


RMS Applications

Native Applications and Generic prote ction using Protected File (PFILE)



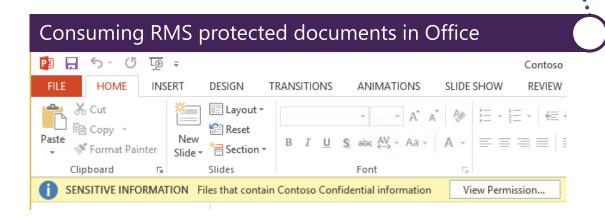
I can protect and share information securely across device types

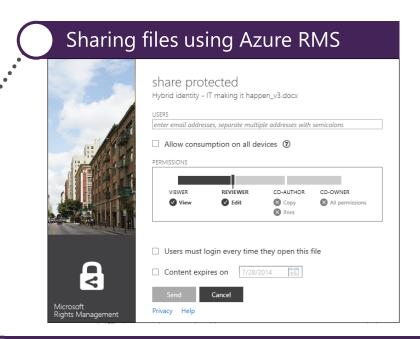


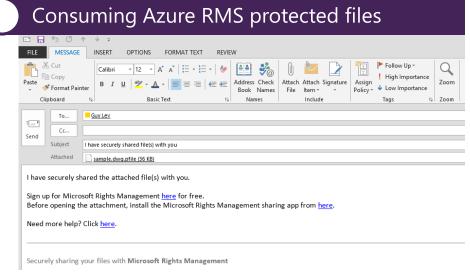
Sharing documents securely



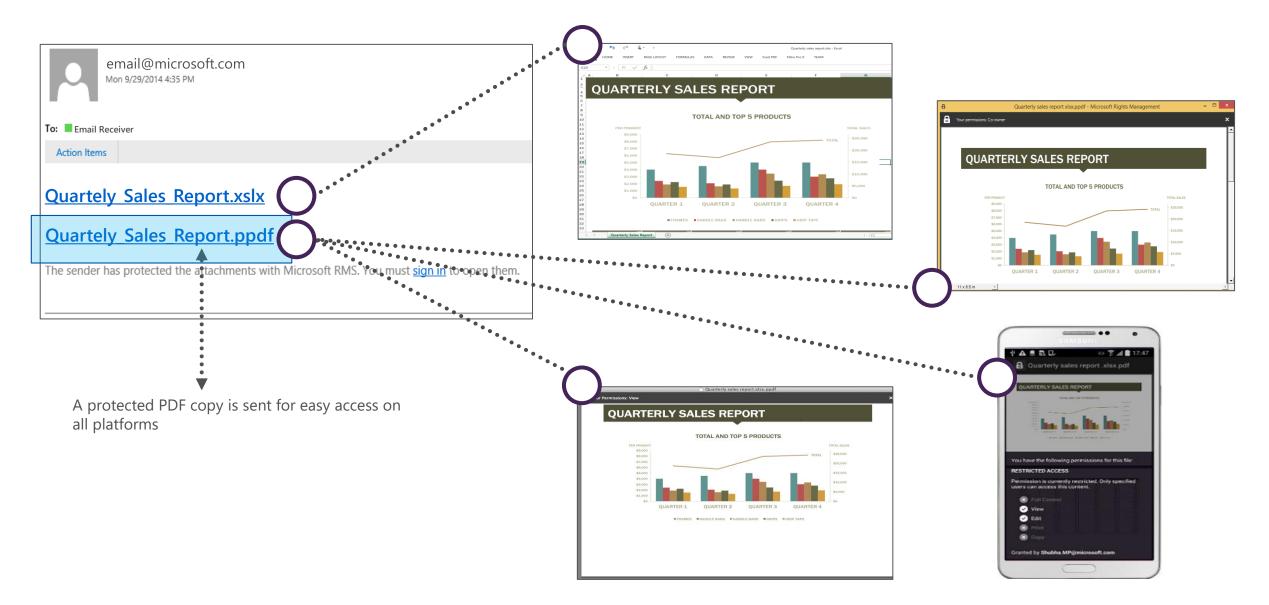
Use Microsoft Azure RMS to securely share documents with colleagues and business partners



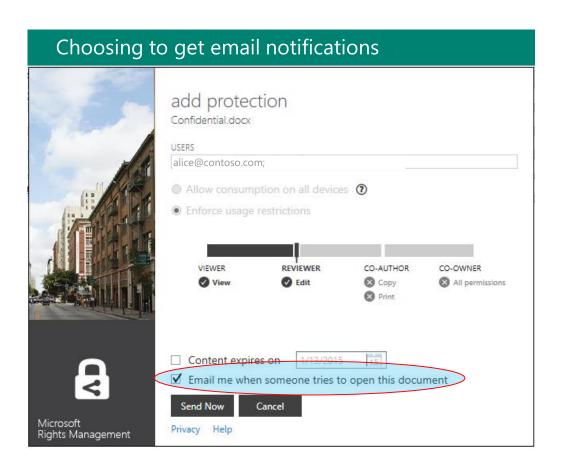


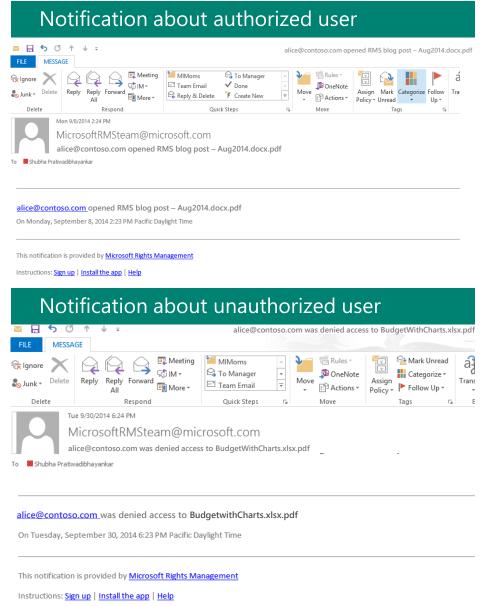


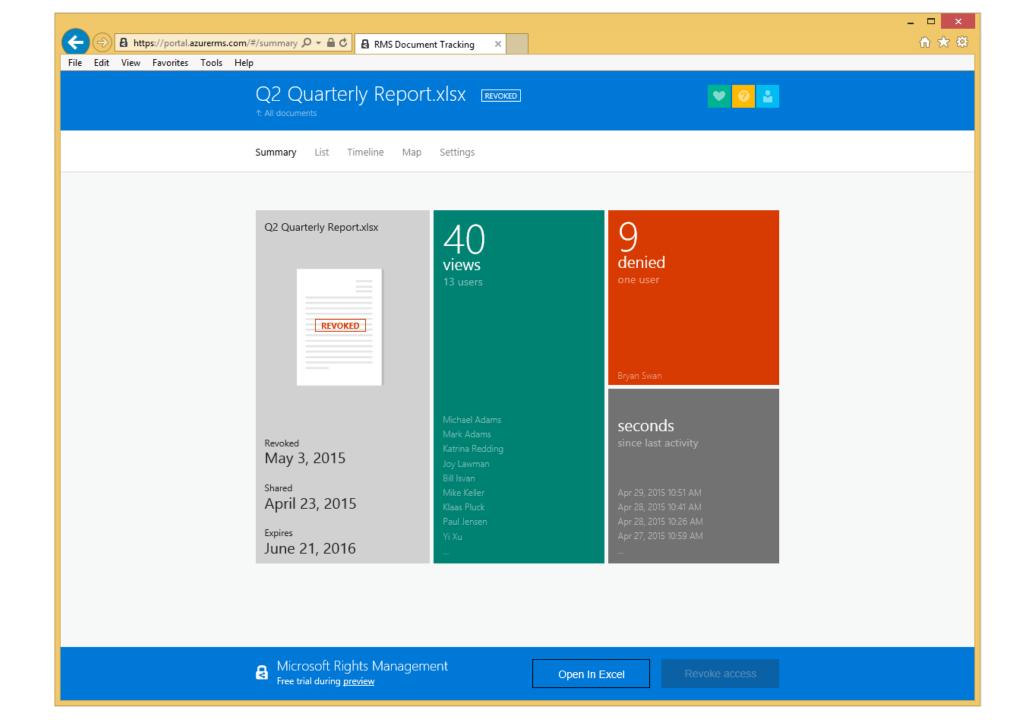
Sharing protected files with anyone

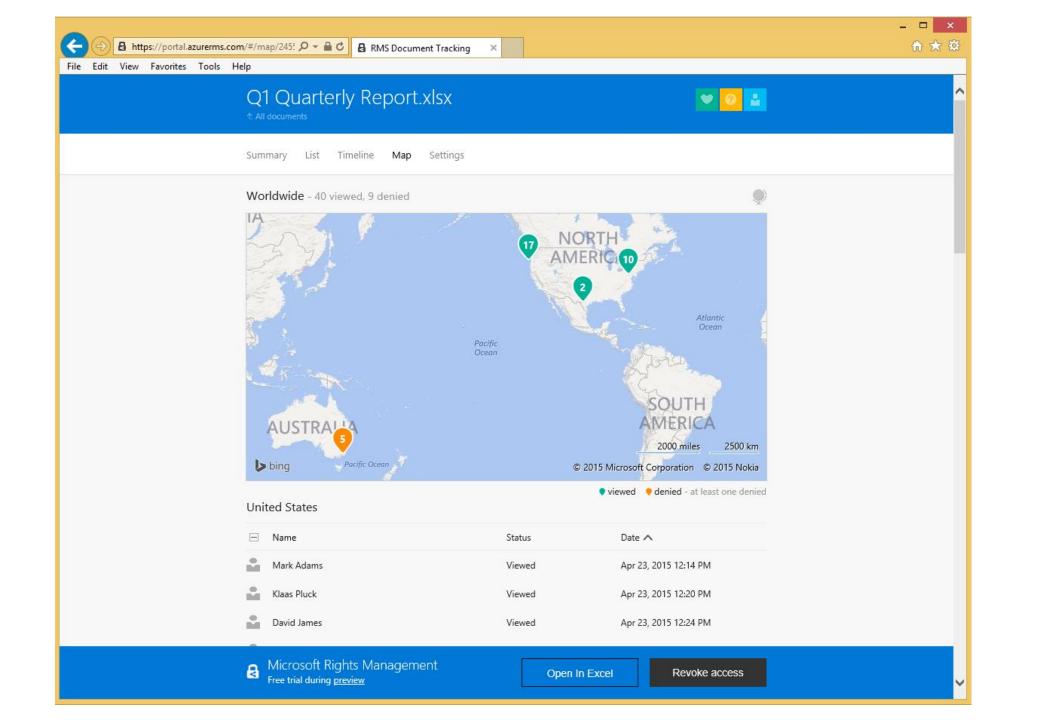


Getting email notifications for document use









Resources

- Document Tracking http://blogs.technet.com/b/rms/archive/2015/05/04/doctracking.aspx
- Azure RMS Document tracking and revocation https://channel9.msdn.com/Series/Information-Protection/Azure-RMS-Document-Tracking-and-Revocation
- Protect a file that you share by email by using the Rights
 Management sharing application https://technet.microsoft.com/en-us/library/dn574735(v=ws.10).aspx
- Azure RMS Core Skills https://mva.microsoft.com/en-US/training-courses/azure-rights-management-services-core-skills-10500
- Use Secure files to improve sharing https://mva.microsoft.com/en-US/training-courses/use-secure-files-to-improve-sharing-with-customers-and-partners-14042

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