

Sichere PDF-Dateien im Unternehmen: Schützen, Verschlüsseln und Schwärzen mit Adobe Acrobat DC.

Ulrich Isermeyer | Sr. BDM Document Cloud



Webinar



Agenda

- PDF Dokumenten Sicherheit
 - Schwärzen (Text, Grafik, Metadaten)
 - Passwort
 - Zertifikat/ Signatur
- Digital Rights Management für PDF
 - Microsoft Azure Information Protection
 - Adobe AEM Document Security



PDF Dokumentensicherheit durch Schwärzen

Suchen nach:

- ☐ Einzelfines Wort bzw. einzelner Ausdruck
- ☐ Mehrere Wörter bzw. Ausdruck
- ☒ Muster

☒ Muster auswählen

- Telefonnummern
- Kreditkarten
- Nationale Personenkennnummern
- E-Mail-Adressen
- Datumsangaben

Schwärzen

Zum Schwärzen markieren

Ausgeblendete Informationen entfernen

Status: Ausgeblendete Informationen suchen... Vorgang abgeschlossen

Ergebnisse:

- wmsc-transcript-130907.pdf
 - Metadaten (1 Element)
 - Verborgener Text (46 Seiten)
 - Inhalt gelöscht oder abgeschnitten (1 Element)

Blogbeitrag Bereinigen

Start Werkzeuge export_word.pdf redaction_employ... x

1 / 3 100% Freigeben

Schwärzen Zum Schwärzen markieren Anwenden Eigenschaften Schließen

The names and logo designs referred to in this sample artwork are fictional and not intended to refer to any actual organization, products or services.

globalcorp **NEW EMPLOYEE RECORD** **geschwärzt**

MEMBER: Complete Sections A through D, attach copy of Social Security card and proof-of-age document in Section E, and return form to your payroll/personnel representative.

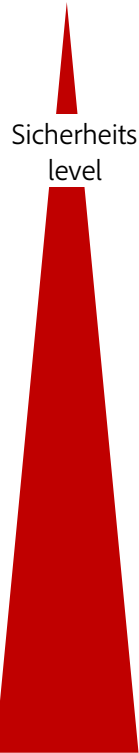
PAYROLL/PERSONNEL: Complete Section F and return the completed 4-page form to Human Resources.

SECTION A
PERSONAL INFORMATION

NAME	Johnson	David	
LAST	723	FIRST	MIDDLE
ADDRESS	Main Street	APT. NO.	55101
CITY	Jefferson City	STATE	MO
TELEPHONE	(555) 555-1111	ZIP	
E-MAIL	david.johnson@globalcorp.mer	WORK	
SOCIAL SECURITY NUMBER	111-11-1111	DATE OF BIRTH	April 1, 1968
GENDER	MALE ☒ FEMALE ☐	MARITAL STATUS	SINGLE ☐ MARRIED ☒
DO YOU HAVE ANY OF THE FOLLOWING PRIOR SERVICE CREDIT? PLEASE CHECK ALL THAT APPLY:			
☒ Active Duty Military	☐ Juvenile Court	☐ Circuit Clerk	☐ MoDOT/Patrol
☐ PSRS	☐ LAGERS	☐ Other Public Employment	

Video Schwärzen

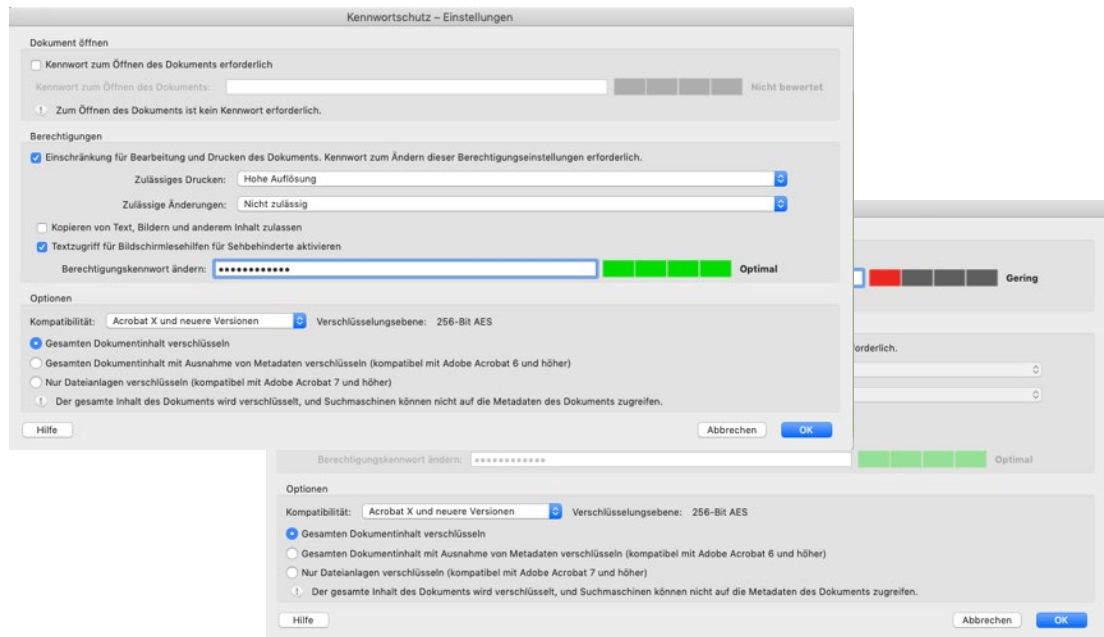
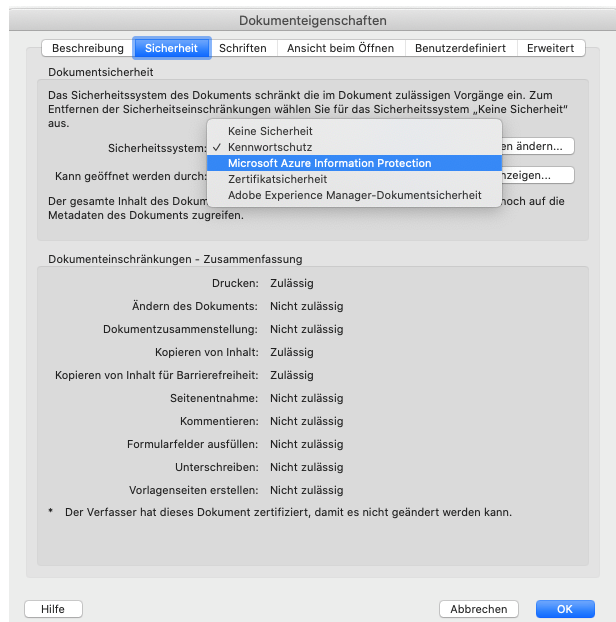
Sicherheitsmechanismen



- PDF offen
- PDF Bearbeitung mit Passwort einschränken
 - Keine Dokumentenverschlüsselung – Passwort im PDF Code
 - Für Normal Anwender ein Schutz, jedoch nicht für Hacker
- PDF Öffnen mit Kennwort
 - 128/256 Bit Dokumenten Verschlüsselung (sicheres Kennwort)
- PDF Öffnen mit Passwort verschlüsseln
- PDF Öffnen mit Zertifikat verschlüsseln
 - Sichtbar / Unsichtbar
 - Wurde das Dokument manipuliert ? -> Zertifikat gebrochen
- Dokumenten signieren und sperren
- Digital Rights Management - Höchste Sicherheit
 - Adobe AEM Doc Security
 - Microsoft Azure Information Protection
 - Dokument mit 256 Bit verschlüsselt
 - Policy liegt beim Ersteller auf Server und kann nachträglich geändert werden - Rechteentzug



Passwort Schutz



Zertifikat Schutz



Zertifiziert durch Ulrich Isermeyer <UISERMEY@ADOBE.COM>, Adobe Systems GmbH, Zertifikat ausgestellt von Ulrich Isermeyer. Füllen Sie bitte das folgende Formular aus.

Unterschriftsfenster

Vorhandene Felder markieren

Unterschriften ✕

Alle prüfen

Zertifiziert von Ulrich Is

**NEW EMPLOYEE RECORD**

Sicherheitsrichtlinien verwalten

Neu

Kopieren

Anzeigen

Bearbeiten

Löschen

Favoriten

Aktualisieren

Einblenden

Name	Beschreibung	Datum der letzten Bearbe...
Zertifikat Schutz UI	UI alles erlaubt , ausser Seitenentnahme	07.12.18, 14:51:22
Kopie von Zertifikat Schutz HM	HM nicht viel erlaubt	07.12.18, 14:52:39
Zertifikat Schutz mit verschiedenen Levels	UI alles erlaubt . ausser Seitenentnahme LM Dr...	07.12.18, 14:42:57
Verschlüsselung mit Zertifikat	Diese Richtlinie ermöglicht Ihnen, das Öffnen ei...	07.12.18, 14:37:31
Verschlüsselung mit Kennwort	Diese Richtlinie ermöglicht Ihnen, ein Dokument...	07.12.18, 14:38:05

Richtliniendetails

Sicherheitssystem:

Name:

Beschreibung:

Verschlüsselte Komponenten:

Typ:

Änderungsdatum:

Benutzerkennwort:

Änderungen:

Drucken:

Dokument prüfen:

Ablaufdatum des Dokuments:

Eigentümerkennwort:

Kopieren:

Zugänglich:

Hilfe

Schließen

Sicherheitsrichtlinie bearbeiten

Schritte

Allgemeine Einstellungen

Empfänger auswählen

Übersicht

Aktualisieren Sie die Liste der vorgesehenen Empfänger für mit dieser Richtlinie geschützte Dokumente. Sie können Dokumenteinschränkungen für einen Empfänger durch Auswahl der Empfänger und Klicken auf "Berechtigungen" festlegen.

Name	E-Mail
Hans Meier	esigncentral02@gmail.com
Laura Müller	esigncentral03@gmail.com
Ulrich Isermeyer	UISERMEY@ADOBE.COM

Suchen...

Durchsuchen...

Entfernen

Details...

Berechtigungen...

Berechtigungseinstellungen

☒ Drucken und Bearbeiten des Dokuments sowie seine Sicherheitseinstellungen einschränken

Berechtigungen

Zulässiges Drucken: Hohe Auflösung

Zulässige Änderungen: Alle außer Entnehmen von Seiten

☒ Kopieren von Text, Bildern und anderem Inhalt zulassen

☒ Textzugriff für Bildschirmsehhilfen für Sehbehinderte aktivieren

Abbrechen

OK

Abbrechen

< Zurück

Weiter >

Digital Rights Management in Adobe Acrobat / Reader



Microsoft
Azure
Information
Protection



Adobe
AEM
Document
Security

Ecosystem



Document Cloud Content Protection Solution

PDF
Adobe
Datei
Arten



Klassifizieren
Schützen
Etikettieren



Signieren



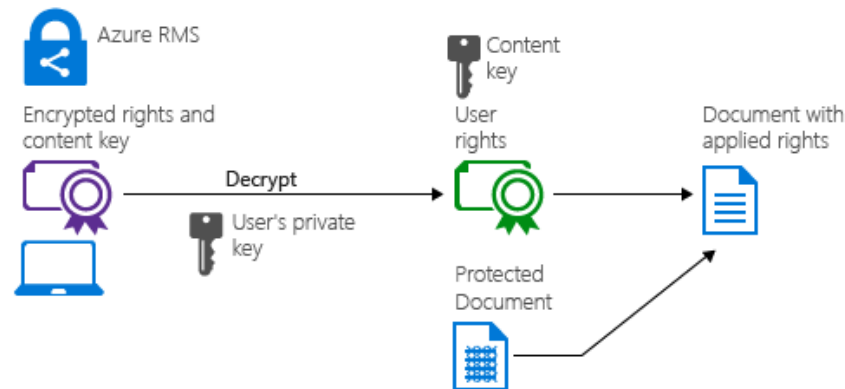
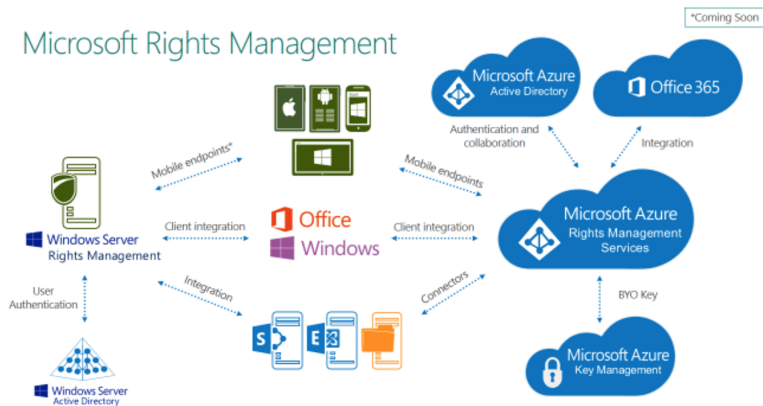
DRM
Policy
Signer Compliance



Azure Information Protection **für Adobe Acrobat/Reader**

- PDF Dokumente öffnen und anschauen in Adobe Acrobat DC / Reader DC
 - Plugin Download erforderlich
 - Eigentliches Schützen mit AIP/MIP aktuell nur mit Microsoft

Microsoft Rights Management



Conditional Access

- ☒ Named Location
- ☒ Multi Factor Authentication
- ☐ Custom Policies
- ☐ VPN connectivity
- ☐ What if Conditions
- ☐ Specific Group
- ☒ IP Address Range

IT Administrator creates a company policy with Azure AD



Information worker's downloads confidential documents from SharePoint Online to view



Because the Information worker's Android device is not managed by the company, hence the Information worker cannot view the document

Enterprise Administrator

Information worker

Auto Classification

- ☒ Label ID: Confidential
- ☒ Header: Confidential
- ☐ Footer
- ☒ WaterMark: Confidential
- ☒ Protection

Organization policy created in
M365 Compliance center for
Documents and email

Enterprise Administrator

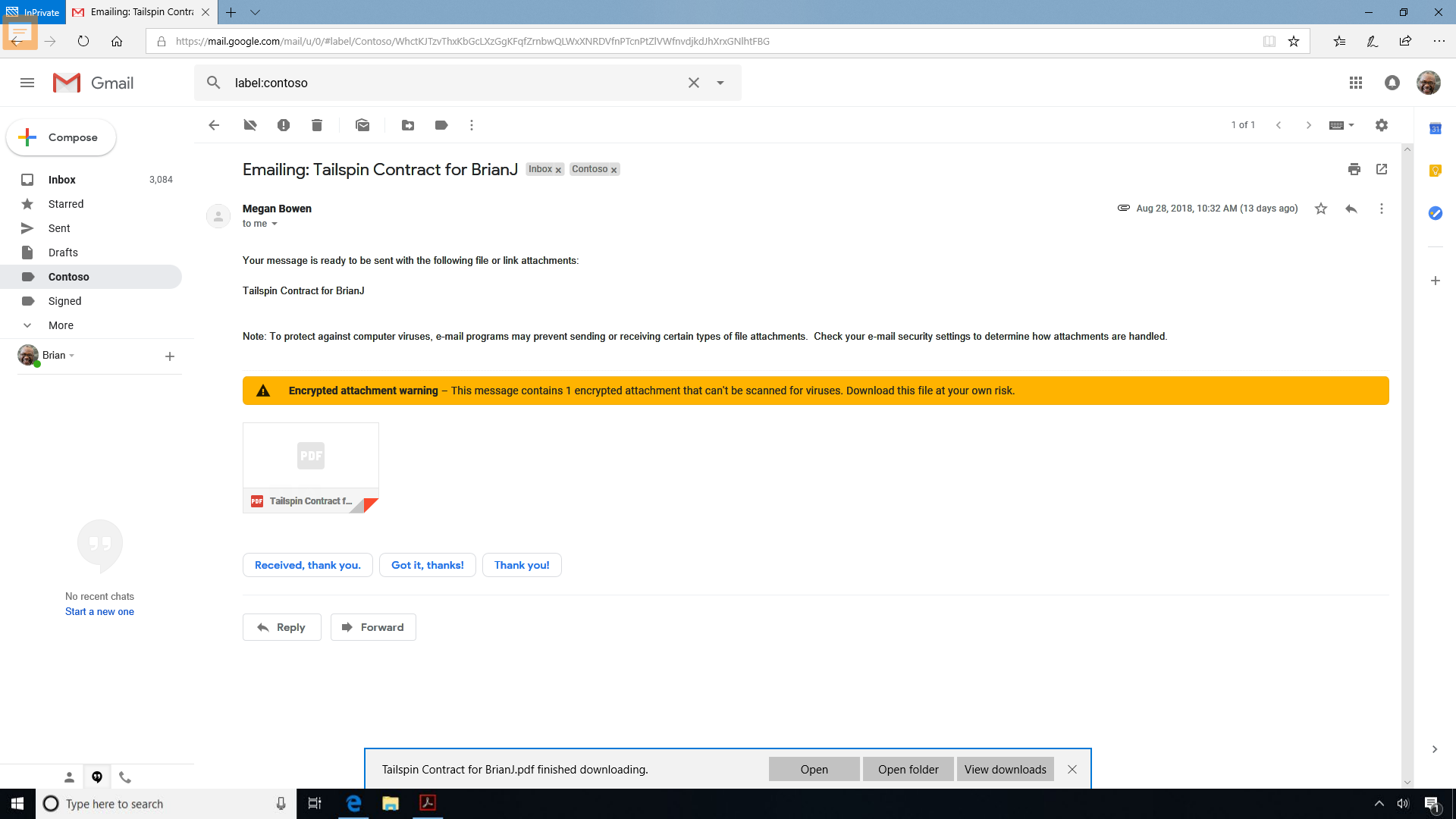


Information worker's opens the
document with the appropriate
identity and conditions



Upon opening the Information
worker gets a recommendation of
classification and the Information
worker is now able to change the
classification

Information worker





File Lists

Recent

Sent

Adobe Scan

Storage

My Computer

Document Cloud

Add Account

Welcome

Looking for a quick intro to Acrobat Reader?
Check out a few quick tips to help you get started.

[Learn More](#)

Search



Microsoft Azure
Information Protection

Email Authentication

File access is restricted by Azure Information Protection.
Please enter your email address.

You will be prompted for Microsoft authentication in the next step.

Next

Cancel

[Clear Recent Files](#)



File Lists

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Information Protection



Email Authentication

File access is restricted by Azure Information Protection.
Please enter your email address.

You will be prompted for Microsoft authentication in the next step.

[Next](#)[Cancel](#)[Clear Recent Files](#)



← BJohnsonTailspinLLC@gmail.com

Enter password

password

[Forgot my password](#)

[Sign in with another account](#)

Sign in



← BJohnsonTailspinLLC@gmail.com

Enter password

.....|

[Forgot my password](#)

[Sign in with another account](#)

Sign in



File Lists

Recent

Sent

Adobe Scan

Storage

My Computer

Document Cloud

Add Account

Get to know Acrobat Reader

Learn about the new interface
and PDF tools in this 3-minute video.

[Watch Now](#)

Search



No Recent Files

[Clear Recent Files](#)



Contoso Electronics



Statement of Work for Agreement to Perform Consulting Services

This Statement of Work (SOW) is issued pursuant to the Consultant Services Master Agreement between Tailspring LLC and Contoso Electronics ("Contractor"), effective November 30, 2017 (the "Agreement"). This SOW is subject to the terms and conditions contained in the Agreement between the parties and is made a part thereof. Any term not otherwise defined herein shall have the meaning specified in the Agreement. In the event of any conflict or inconsistency between the terms of this SOW and the terms of this Agreement, the terms of this SOW shall govern and prevail. WHEREAS, the Contractor is in the business improving the sales performance of brands, products and services by way of its proprietary eCommerce platform; and WHEREAS, Contoso owns a 3D Printer line brand called X1050; and WHEREAS, Contoso desires to have the Contractor market and sell X1050 products; and WHEREAS, the Parties have come to an exclusive agreement for the Contractor to purchase, market and sell in the United States of America Contoso's products for which Contoso will receive a royalty on all sales; NOW THEREFORE, in consideration of the foregoing and for other good and valuable consideration, the receipt of which are hereby acknowledged, the Parties hereby agree to the following.

General Provisions

Contractor shall provide the Services and Deliverable(s) as follows: This is considered an arm's length transaction



Export PDF

Adobe Export PDF

Convert PDF Files to Word or Excel Online

Select PDF File

Tailspring Cont...or BrianJ.PDF

Convert to

Microsoft Word (*.docx)

Document Language:
English (U.S.) [Change](#)

Convert

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Edit PDF

Comment

Combine Files

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Label applied: Confidential \ All Employees

[Permission Details](#)

Contoso Electronics



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General Provisions

Contractor shall provide the Services and Deliverable(s) as follows: This is considered an arm's length transaction. The Parties are working as independent contractors. Each party will be responsible for its own costs that it may incur in the normal course of business included but not limited to costs of employees, legal cost, general operating costs, taxes and any other obligation that it may incur.



Adobe Export PDF

Convert PDF Files to Word or Excel Online

Select PDF File

Tailspring Cont... or BrianJ.PD\$X

Convert to

Microsoft Word (*.docx) v

Document Language:
English (U.S.) [Change](#)

Convert

Create PDF v

Edit PDF

Comment

Combine Files v

Organize Pages v

Redact

Protect

Optimize PDF

All of these tools and more
free for 7 days

[Start Now](#)



Security Settings

This document is protected by Microsoft Azure Information Protection.

Label applied: Confidential \ All Employees

[Permission Details](#)

Document Properties

Description Security Fonts Custom Advanced

Document Security

The document's Security Method restricts what can be done to the document.

Security Method: Microsoft Azure Information Protection [Show Details...](#)

Can be Opened by: Acrobat 7.0 and later

All contents of the document are encrypted and search engines cannot access the document's metadata.

Document Restrictions Summary

Printing:	Allowed
Document Assembly:	Not Allowed
Content Copying:	Allowed
Content Copying for Accessibility:	Allowed
Page Extraction:	Not Allowed
Commenting:	Allowed
Filling of form fields:	Allowed
Signing:	Allowed
Creation of Template Pages:	Allowed

OK Cancel

General Provisions

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Export PDF

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[Select PDF File](#)

Tails핀 Cont...or BrianJ.PDfX

Convert to

Microsoft Word (*.docx)

Document Language:
English (U.S.) [Change](#)

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Comment

Combine Files

Organize Pages

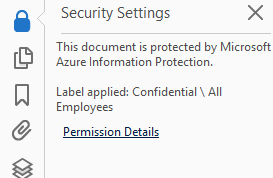
Redact

Protect

Optimize PDF

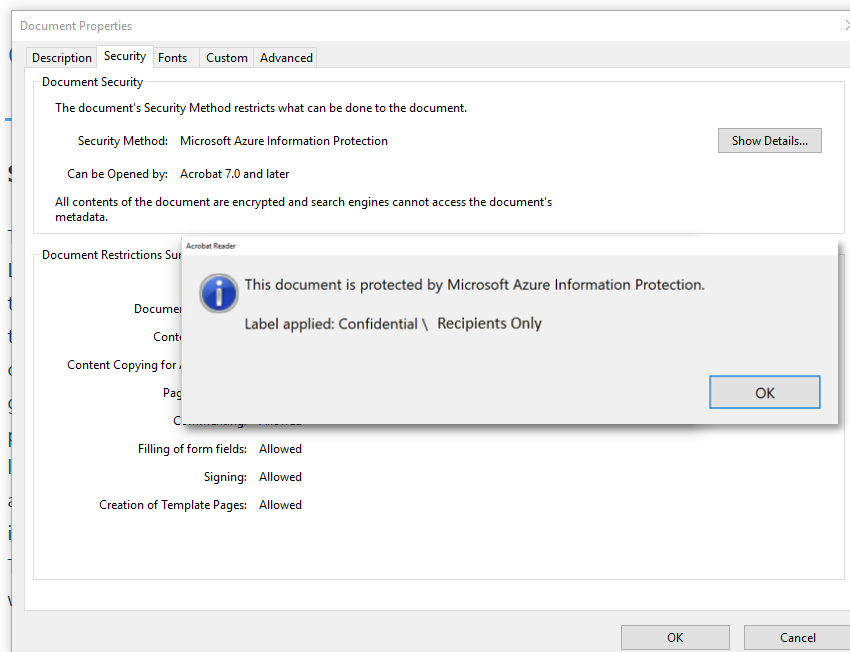
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Permission Details



Contractor shall provide the Services and Deliverable(s) as follows: This is considered an arm's length transaction. The Parties are working as independent contractors. Each party will be responsible for its own costs that it may incur in the normal course of business included but not limited to costs of employees, legal cost, general operating costs, taxes and any other obligation that it may incur.

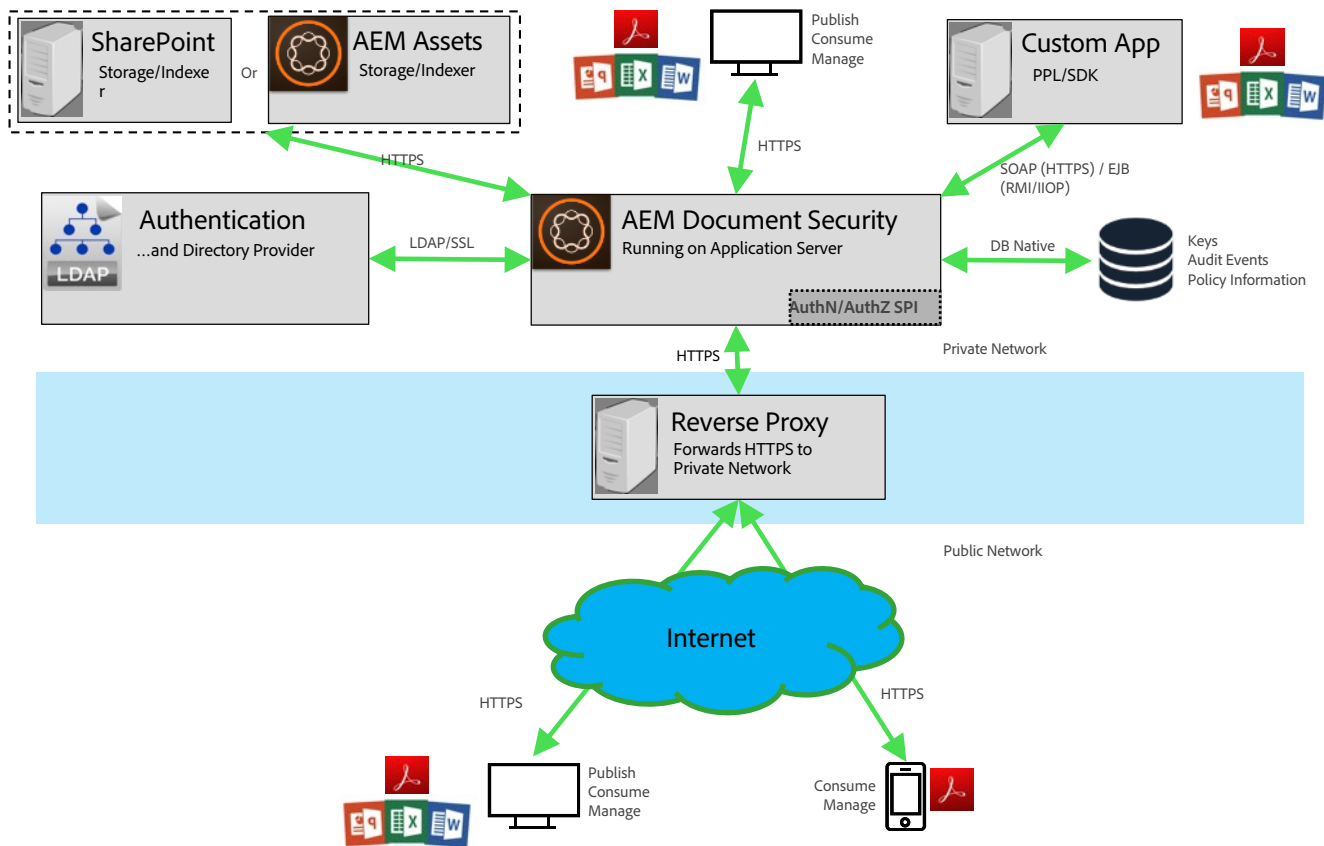
**All of these tools and more
free for 7 days**

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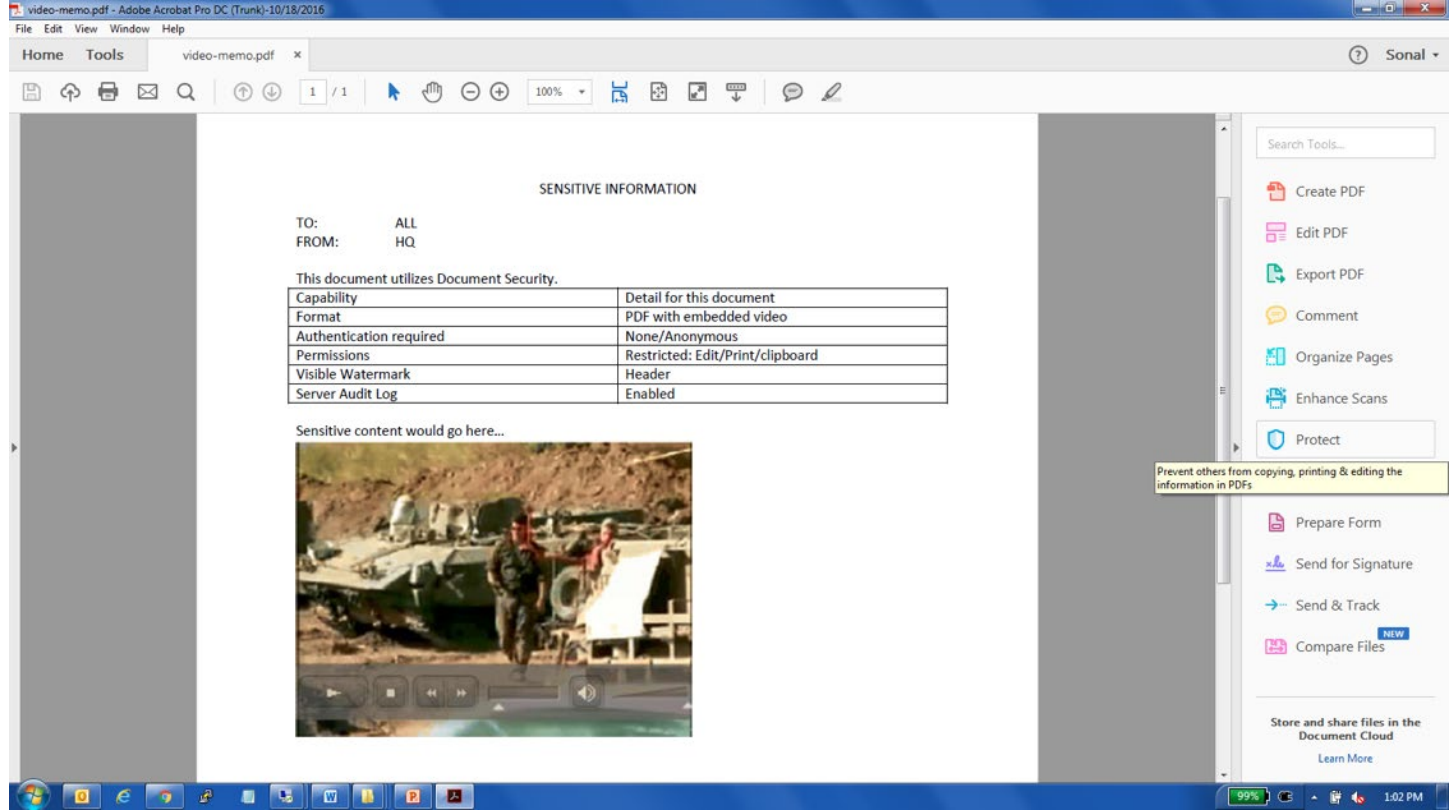
2. AEM Document Security Server – Sicherheit für PDF Dokumente ausserhalb der Firewall (auch offline)



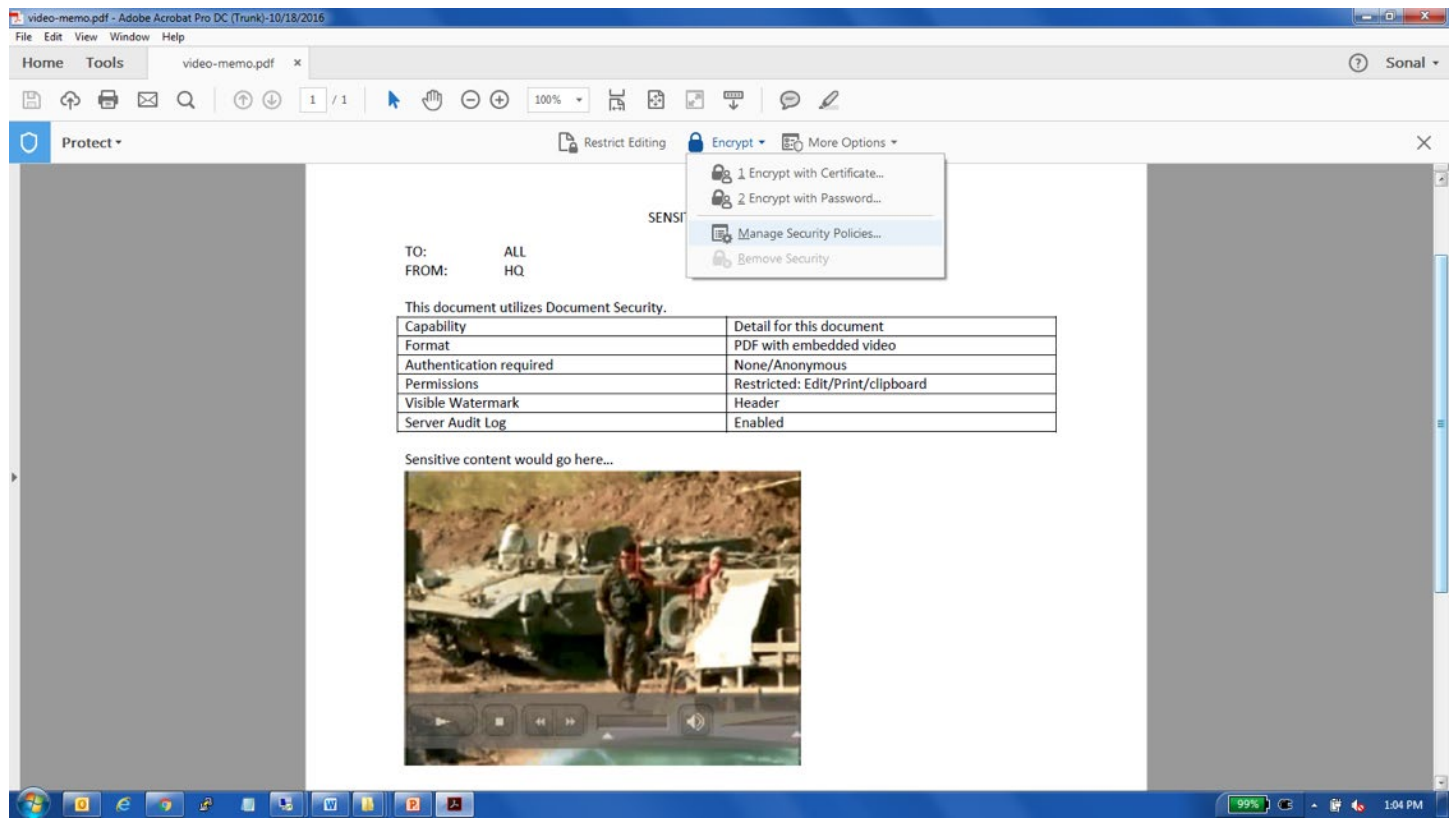
Adobe Document Security Server - Architecture



Author Experience



Author Experience



Author Experience

video-memo.pdf - Adobe Acrobat Pro DC (Trunk)-10/18/2016

File Edit View Window Help

Home Tools video-memo.pdf x

Protect

Restrict Editing Encrypt More Options

Managing Security Policies

Name	Description	Last Edited
Global Policy Set:Research Report Client	<not available>	10/25/2016 1:31:04 PM
Global Policy Set:USG - View Only	<not available>	10/25/2016 1:39:24 PM
Global Policy Set:anon	<not available>	10/12/2016 1:34:49 PM
Global Policy Set:anon128	<not available>	9/21/2016 2:49:33 PM

Policy Details

Security Method: Adobe Experience Manager Document Security

Name: Global Policy Set:Research Report Client

Description:

Encrypted Components: Unknown

Type: Organizational

Modification Date: 10/25/2016 1:31:04 PM

Help Apply to Document Close

TO:

FROM:

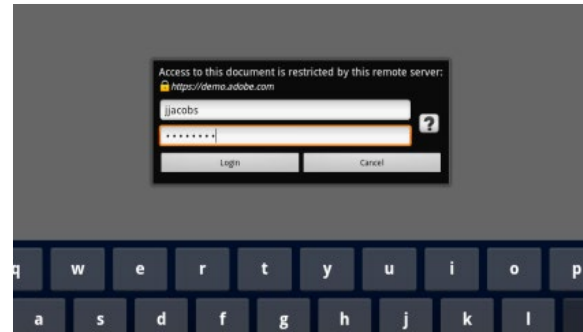
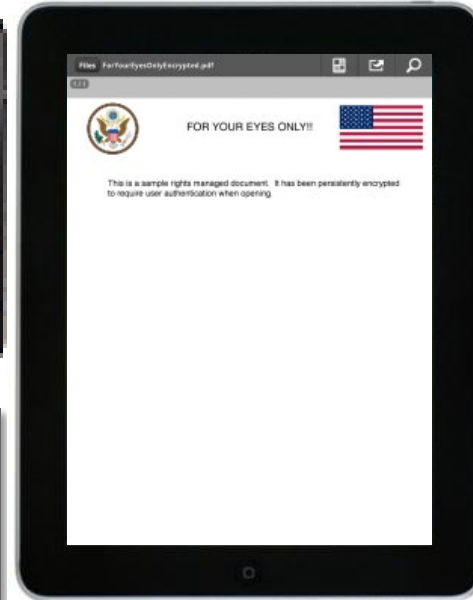
This document

Capability	
Format	
Authentication	
Permissions	Restricted: Edit/Print/clipboard
Visible Watermark	Header
Server Audit Log	Enabled

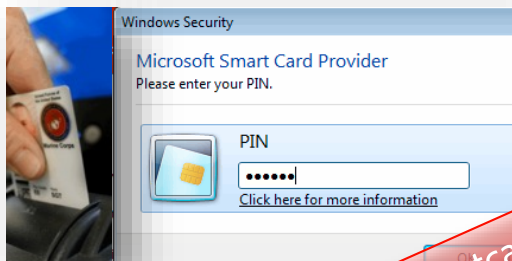
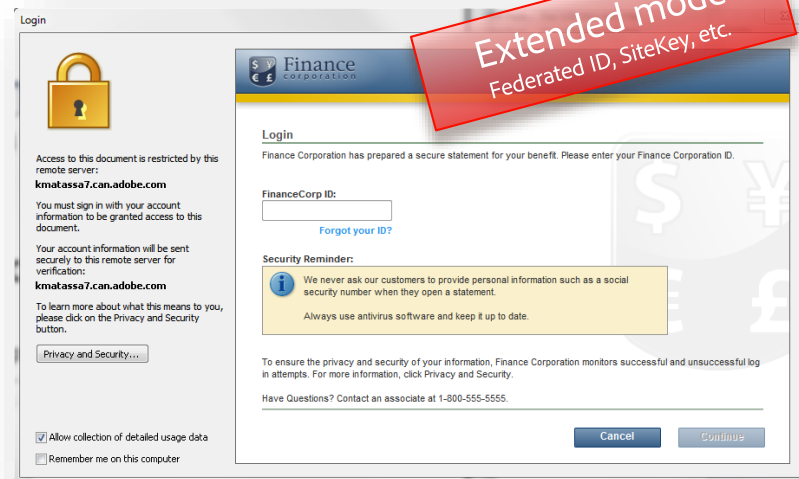
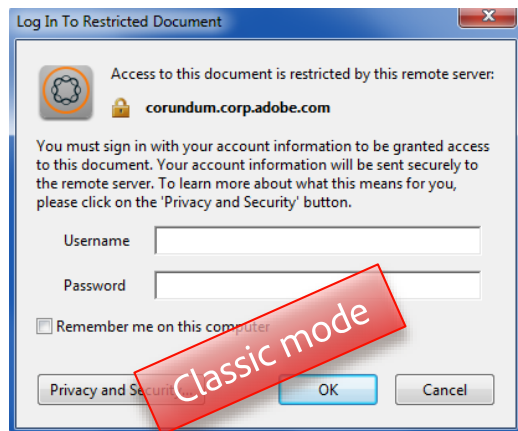
Sensitive content would go here...

DRM capabilities on smartphones and tablets

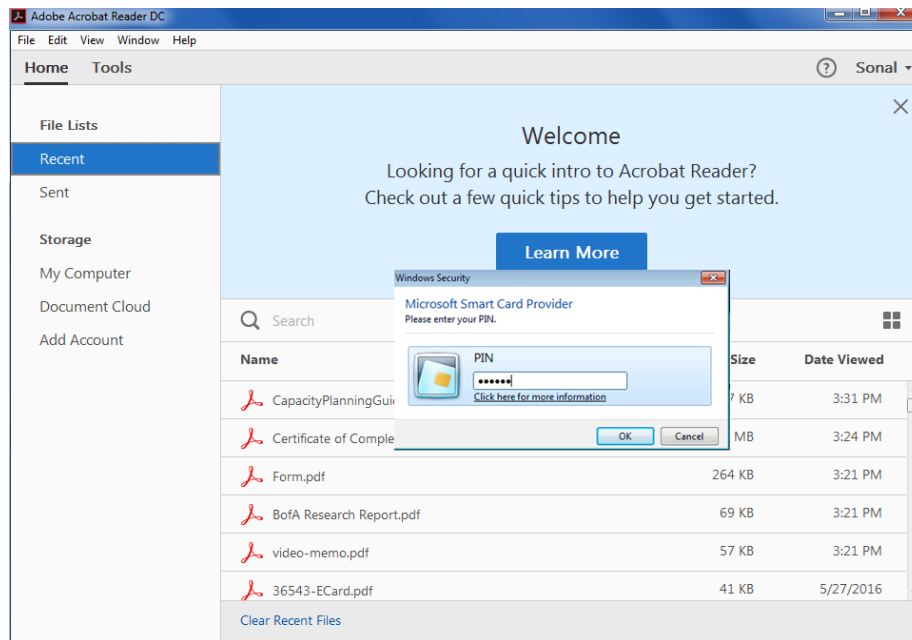
- Adobe Reader for iOS and Android contains support for accessing protected documents
- With documents encrypted at document layer, “jailbreaking” a lost/stolen phone does not expose any sensitive information
- Documents can also be revoked, with no further access to decryption key
- Audit log of attempted access is also useful



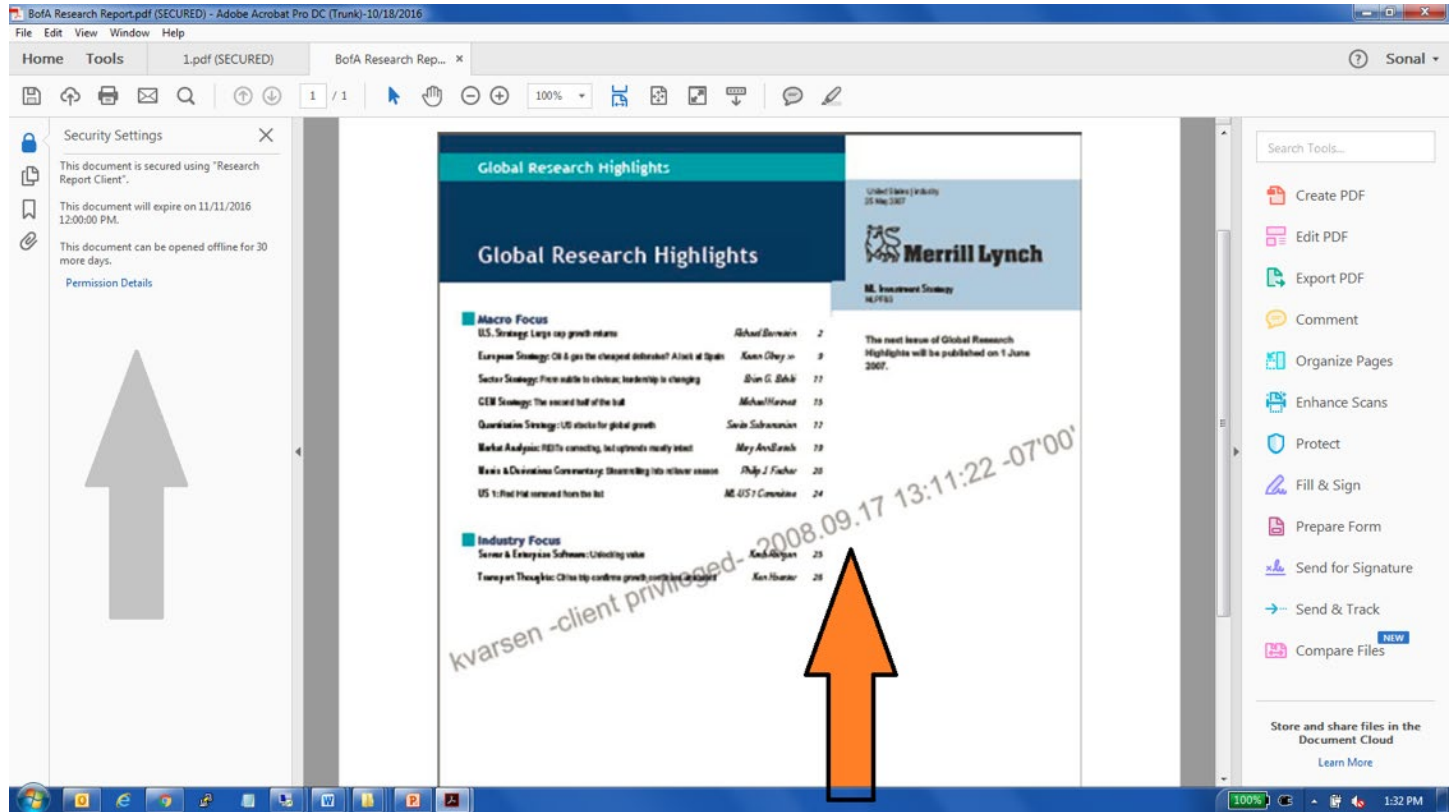
Flexible recipient experience



PKI Authentication



Security Settings and Dynamic Watermarks



Applies to AEM Forms in PDF Format

Form.pdf (SECURED) - Adobe Acrobat Pro DC (Trunk)-10/18/2016

File Edit View Window Help

Home Tools Form.pdf (SECURED) x

133%

Security Settings

This document is secured using "USG - View Only".

You cannot edit, print or copy this document.

This document will not expire.

This document can be opened offline for 1 more days.

Permission Details

13 YOUR SPOUSE

Mark one box to show your current marital status and provide information about your spouse(s) in items a. and/or b.

☐ 1 - Never married ☐ 3 - Separated ☐ 5 - Divorced
☐ 2 - Married ☐ 4 - Legally Separated ☐ 6 - Widowed

a. Current Spouse: Complete the following about your current spouse only.

Full Name: Jane Doe Date of Birth: 07/04/1976 Place of Birth (include country if outside the U.S.): Philadelphia, PA Social Security Number: 123-45-6789

Other Names Used (Specify maiden name, names by other marriages, etc., and show dates used for each name): Country(ies) of Citizenship: USA

Date Married: Place Married (include country if outside the U.S.): State:

If Separated, Date of Separation: If Legally Separated, Where is the Record Located? City (Country): State:

Address of Current Spouse, if different than your current address (Street, city, and country if outside the U.S.): State: ZIP Code:

b. Former Spouse(s): Complete the following about your former spouse(s), use blank sheets if needed.

Full Name: Date of Birth: Place of Birth (include country if outside the U.S.): State:

Country(ies) of Citizenship: Date Married: Place Married (include country if outside the U.S.): State:

Check one, Then Give Date: ☒ Divorced ☐ Widowed Month/Day/Year: If Divorced, Where is the Record Located? City (Country): State:

Address of Former Spouse (Street, city, and country if outside the U.S.): State: ZIP Code: Telephone Number: ()

14 YOUR RELATIVES AND ASSOCIATES

Give the full name, correct code, and other requested information for each of your relatives and associates, living or dead, specified below.

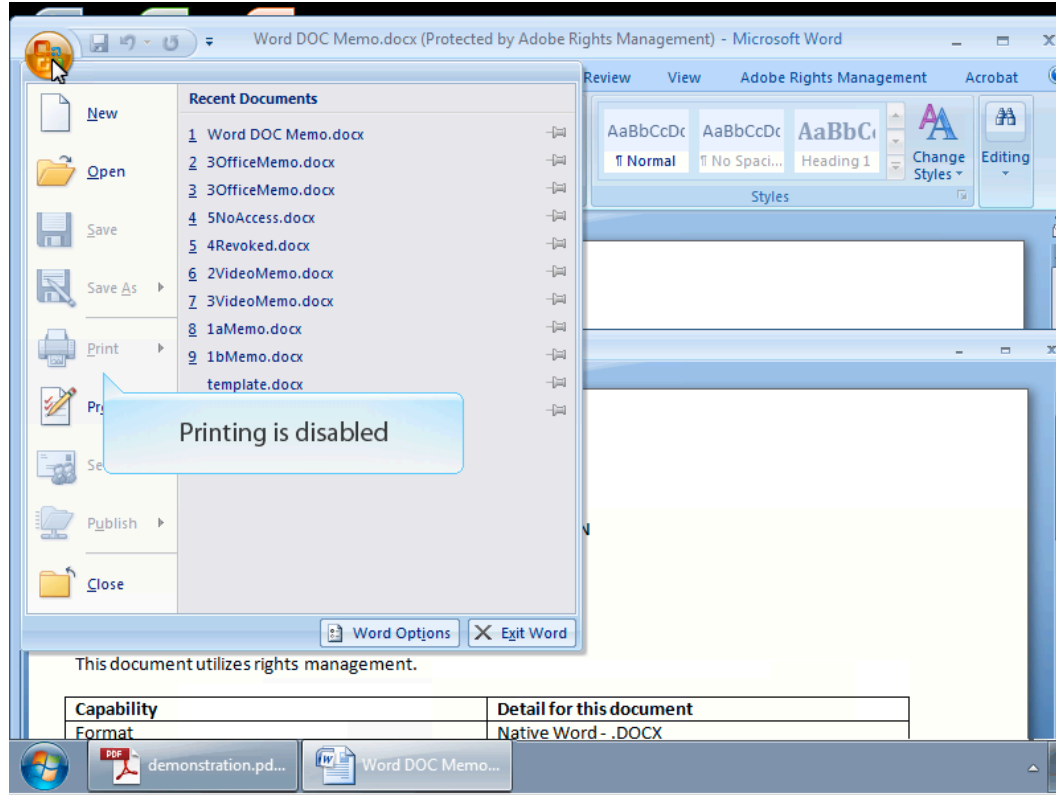
1 - Mother (first) 5 - Foster parent 9 - Sister 13 - Half-sister 17 - Other Relative*
2 - Father (second) 6 - Child (adopted also) 10 - Stepbrother 14 - Father-in-law 18 - Associate*
3 - Stepmother 7 - Stepchild 11 - Stepsister 15 - Mother-in-law 19 - Adult Currently Living With You
4 - Stepfather 8 - Brother 12 - Half-brother 16 - Guardian

*Code 17 (Other Relative) - include only foreign national relatives not listed in 1 - 16 with whom you or your spouse are bound by affection, obligation, or close and continuing contact. Code 18 (Associate) - include only foreign national associates with whom you or your spouse are bound by affection, obligation, or close and continuing contact.

Full Name (if deceased, check box on the left before entering name) Code Date of Birth Month/Day/Year Country of Birth Country(ies) of Citizenship Current Street Address and City (country) of Living Relatives State

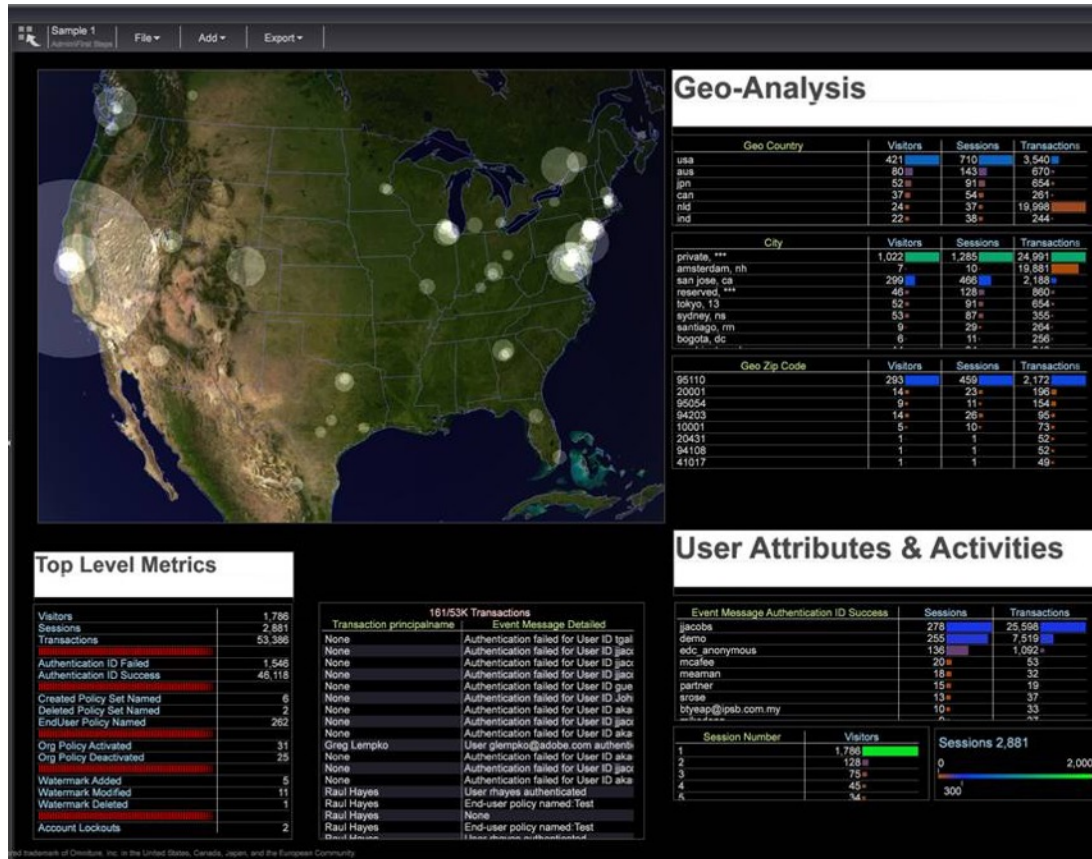
Applies to forms, too

Supports Microsoft Word, Excel, and PowerPoint on Windows



Detailed usage analytics – users and content

- When and where are documents opened?
- Who is opening the most?
- What docs are the most popular?



Examples of Custom Built UI

Employees Exceeding Document Printing Thresholds

Employee	Average Document Printouts	Current Printout Levels	Printout Alert Pct
Steve Higgins	17 	220 	1,192.2% 
Marc Eaman	28 	86 	208.4% 
Charles Hanflik	26 	56 	115.5% 
Barry Graham	65 	75 	15.2% 
David Liao	17 	14 	-17.4% 
Eiichi Kitagawa	12 	9 	-22.0% 

Documents	Document Views	Printouts
Project 003 - (01/05/2008) - draft v3.pdf	1 	2 
Project 122 - (03/19/2010) - draft v2.pdf	2 	14 
Project 125 - (03/21/2008) - draft v2.pdf	1 	2 
Project 192 - (07/12/2009) - draft v3.pdf	2 	2 
Project 201 - (04/11/2009) - draft v3.pdf	2 	8 
Project 512 - (02/24/2011) - final draft.pdf	22 	70 
Project 551 - (07/30/2008) - draft v2.pdf	1 	1 
Project 555 - (07/30/2008) - draft v2.pdf	1 	2 
Project 651 - (02/10/2010) - draft v1.pdf	1 	3 
Project 731 - (06/09/2010) - draft v3.pdf	2 	5 
Project 860 - (03/26/2011) - draft v2.pdf	1 	3 
Project 928 - (05/03/2009) - draft v4.pdf	1 	2 
Project 998 - (12/19/2010) - draft v2.pdf	1 	1 

Trending Documents >>

<< Current Documents

