User Manual

Foxit® PDF Secure RMS Protector

Microsoft Partner
Gold Independent Software Vendor (ISV)

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Anti-Grain Geometry - Version 1.1

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Chapter 1 - Overview

Traditionally, sensitive information can only be controlled by limiting access to the networks or computers where the information is stored. After access is given to users, however, there are no restrictions on what can be done with the content or to whom it can be sent. Microsoft Information Rights Management (IRM) enables you to create a persistent set of access controls that live with the content, rather than a specific network location, which will help you control access to files even after they leave your direct control.

Foxit PDF Secure RMS protector extends all the benefits of AD RMS to any PDF document. In addition, Foxit PDF Secure RMS protector provides creation and control of rights to unique PDF features.

Microsoft's Active Directory Rights Management (AD·RMS) solves security problems for enterprise documents created in Microsoft Office. With the inclusion of AD RMS in Windows Server2008, AD RMS has quickly become the default standard for document rights protection.

For the enterprises, they can enforce security policies easily to protect sensitive information, as well as enable each PDF document with additional features such as forms fill out and annotations.

Chapter 2 - For SharePoint

Getting Started

This section provides system requirements, install and uninstall instructions for the RMS Protector.

System Requirements

System Requirements for MOSS 2007

Computer	Operating System	Requirement
RMS Server/ ADRMS Server	Windows Server·2003 with Service Pack·1 (SP1)/Windows Server·2008 with Service Pack·1 (SP1)	RMS, Internet Information Services (IIS) 6.0, World Wide Web Publishing Service, Message Queuing (also known as MSMQ), and Microsoft SQL Server™·2005 Standard Edition
DC	Windows Server·2003 with SP1	Active Directory, Domain Name System (DNS)
ADRMS-DB	Windows·Server·2003 with SP1	Microsoft SQL Server™·2005 with Service Pack·2 (SP2)
SharePoint Server Such as named SPS-SRV	Windows Server·2003 with SP1	Office SharePoint Server·2007 with RMS Client installed, and has been added this Server to DC

System Requirements for MOSS 2010

Computer	Operating System	Requirement
ADRMS Server	Windows Server·2008 with Service Pack·1 (SP1)	RMS, Internet Information Services (IIS) 6.0, World Wide Web Publishing Service, Message Queuing (also known as MSMQ)
DC	Windows Server·2003 with SP1	Active Directory, Domain Name System (DNS)
ADRMS-DB	Windows·Server·2008 with SP1	Microsoft SQL Server™·2008 R2
SharePoint Server Such as named SPS-SRV	Windows Server·2008 with SP2	Office SharePoint Server·2010 and has been added this Server to DC

System Requirements for MOSS 2013

Computer	Operating System	Requirement
ADRMS Server	Windows Server·2008 with Service Pack·1 (SP2)	RMS, Internet Information Services (IIS) 6.0, World Wide Web Publishing Service, Message Queuing (also known as MSMQ)
DC	Windows Server·2008 with SP2	Active Directory, Domain Name System (DNS)
ADRMS-DB	Windows·Server·2008 with SP1	Microsoft SQL Server™·2008 R2
SharePoint Server Such as named SPS-SRV	Windows Server·2012	Office SharePoint Server·2013 and has been added this Server to DC

System Requirements for MOSS 2016

Computer	Operating System	Requirement
ADRMS Server	Windows Server·2012	RMS, Internet Information Services (IIS)
DC	Windows Server·2012	Active Directory, Domain Name System (DNS)
ADRMS-DB	Windows·Server·2012	Microsoft SQL Server™·2012
SharePoint Server Such as named SPS-SRV	Windows Server·2012	Office SharePoint Server·2016 and has been added this Server to DC

Corresponding permissions of Foxit Reader and MOSS

SharePoint service provides three levels rights: Full control, Change, and Read.

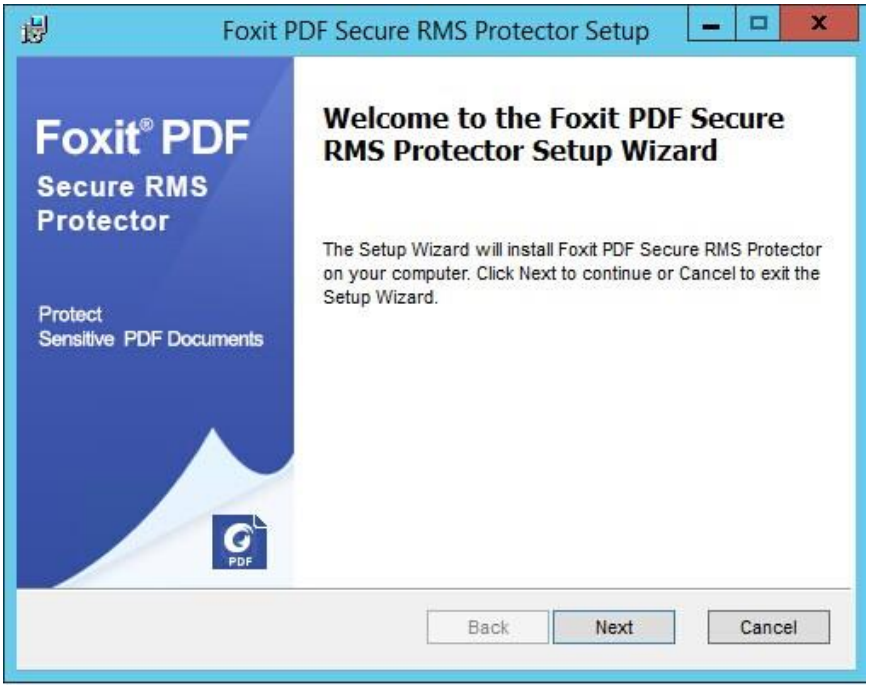
Level	Rights of Foxit Reader
Full control	View, Copy, Modify, Print, View Data, Access, Annotate, Fill Form, Assemble
Change	View, Copy, Modify, Access, Annotate, Fill Form, Assemble
Read	View

The user only can print the document if its library IRM settings have been configured to allow document printing.

Installing Foxit PDF Secure RMS Protector on a SharePoint Server

To install Foxit PDF Secure RMS Protector:

- Stop the IIS Admin service: Start > Settings > Control Panel > Administrator Tools > Services > IIS Admin Service > Stop. Then Close the window.
- Run the Foxit PDF Secure RMS Protector Setup program to install the protector on the server.



- Download PDF icon from http://www.foxitsoftware.com/resource/images/icons/pdf-icon.png.
- For MOSS 2007

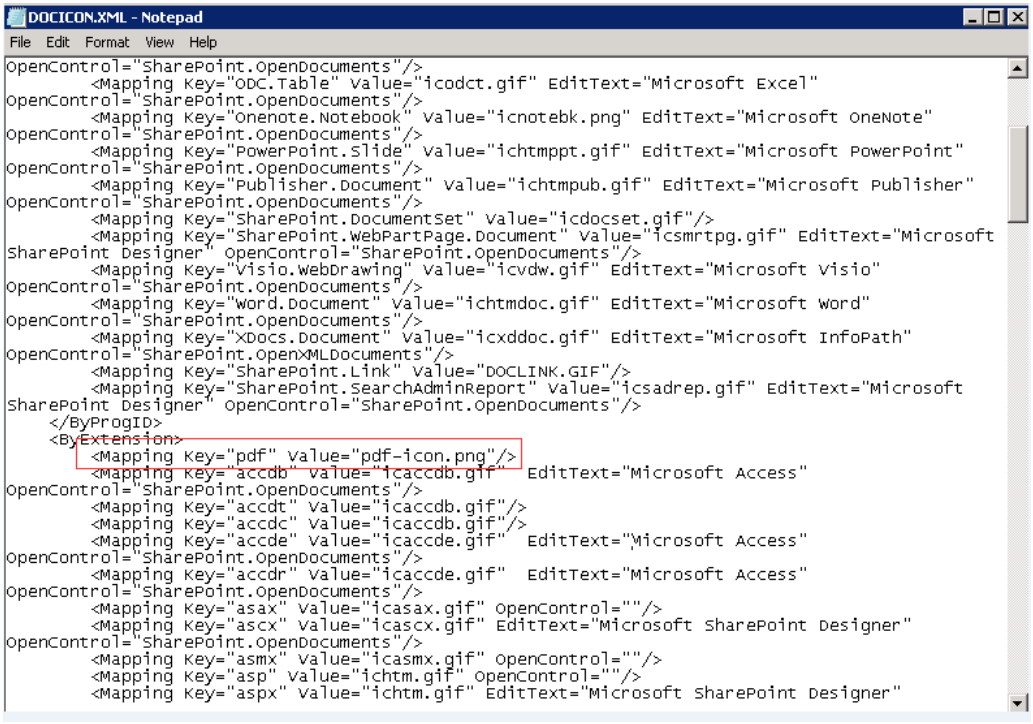
1. Copy the downloaded .png file to "Drive: \Program Files\Common Files\Microsoft Shared\Web Server Extensions\12\Template\Images".

2. Edit the file “Drive:\Program Files\Common Files\Microsoft Shared\Web server extensions\12\Template\Xml\DOCICON.XML”:

a. Right-click DOCICON.XML file > click Open With > select Notepad.

b. Add an entry for the .pdf extension as the file’s name. For example, type the ICPDF as the name of the .png file:

<Mapping Key="pdf" Value="pdf-icon.png"/>



c. Click Save on the File menu, and then quit Notepad.

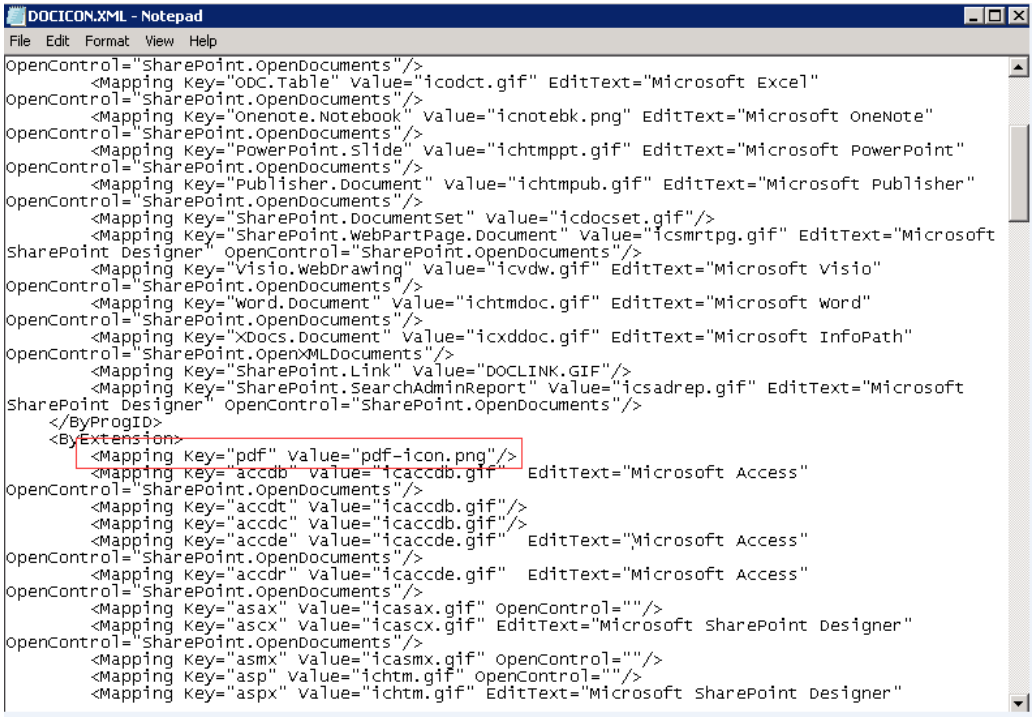
- For MOSS 2010

1. Copy the downloaded .png file to "Drive:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\14\Template\Images"
2. Edit the file “Drive:\Program Files\Common Files\Microsoft Shared\Web server extensions\14\Template\Xml\DOCICON.XML”:

a. Right-click DOCICON.XML file > click Open With > select Notepad.

b. Add an entry for the .pdf extension as the file’s name. For example, type the ICPDF as the name of the .png file:

<Mapping Key="pdf" Value="pdf-icon.png"/>



c. Click Save on the File menu, and then quit Notepad.

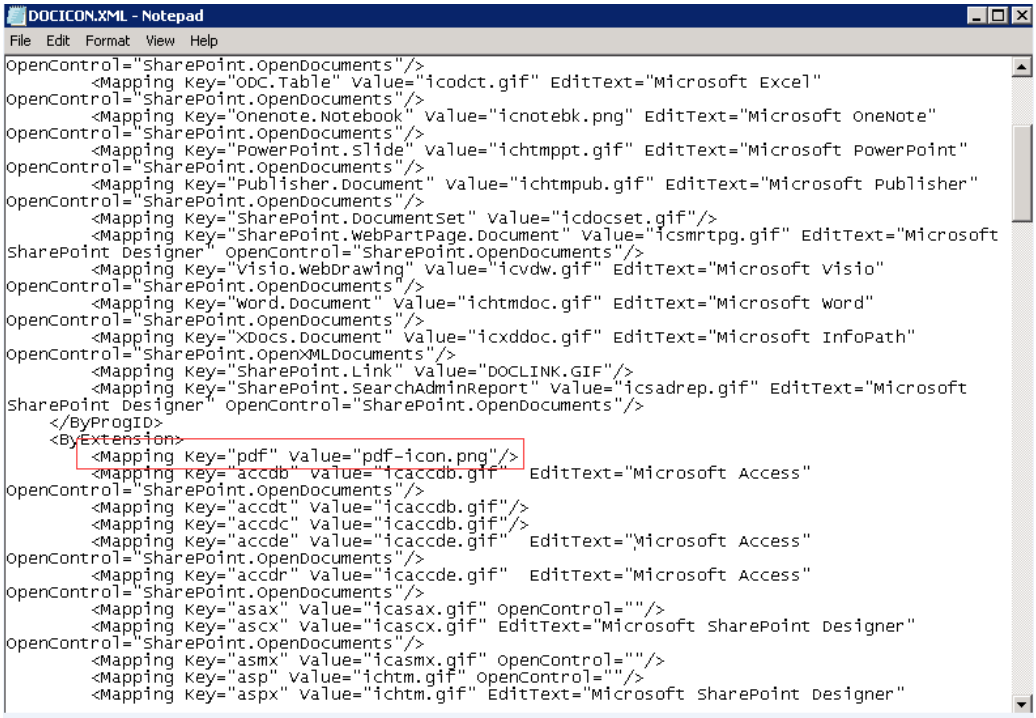
- For MOSS 2013

1. Copy the downloaded .png file to "Drive:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\15\Template\Images"
2. Edit the file “Drive:\Program Files\Common Files\Microsoft Shared\Web server extensions\15\Template\Xml\DOCICON.XML”:

a. Right-click DOCICON.XML file > click Open With > select Notepad.

b. Add an entry for the .pdf extension as the file’s name. For example, type the ICPDF as the name of the .png file:

<Mapping Key="pdf" Value="pdf-icon.png"/>



c. Click Save on the File menu, and then quit Notepad.

3. Delete the following registry for Microsoft PDF Protector in SharePoint 2013

   a) HKEY_LOCAL_MACHINE/Software/Microsoft/Shared Tools/Web Server Extensions/15.0/IrmProtectors

   “{FC93F6CC-D367-4FC9-B3F6-E0933A24A8C8}” = “Microsoft.Office.Irm.PdfIrmProtector”

   b) HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Shared Tools\Web Server Extensions\15.0\IrmProtectors\PdfIrmProtector

   "Extensions"="PDF"

   "Product"="PdfIrmProtector"

   "Version"="15"

4. Add the following registry for Foxit PDF Secure PDF Protector in SharePoint 2013

   a) HKEY_LOCAL_MACHINE/Software/Microsoft/Shared Tools/Web Server Extensions/15.0/IrmProtectors

   “{2B86FB4A-D503-4040-8843-A2195C1E1D7E} ” = “PDFProtector”

   b) HKEY_LOCAL_MACHINE/Software/Microsoft/Shared Tools/Web Server Extensions/15.0/IrmProtectors/PDFProtector

   "Extensions"="pdf"

   "Product"=" PDFProtector"

   "Version"="2"

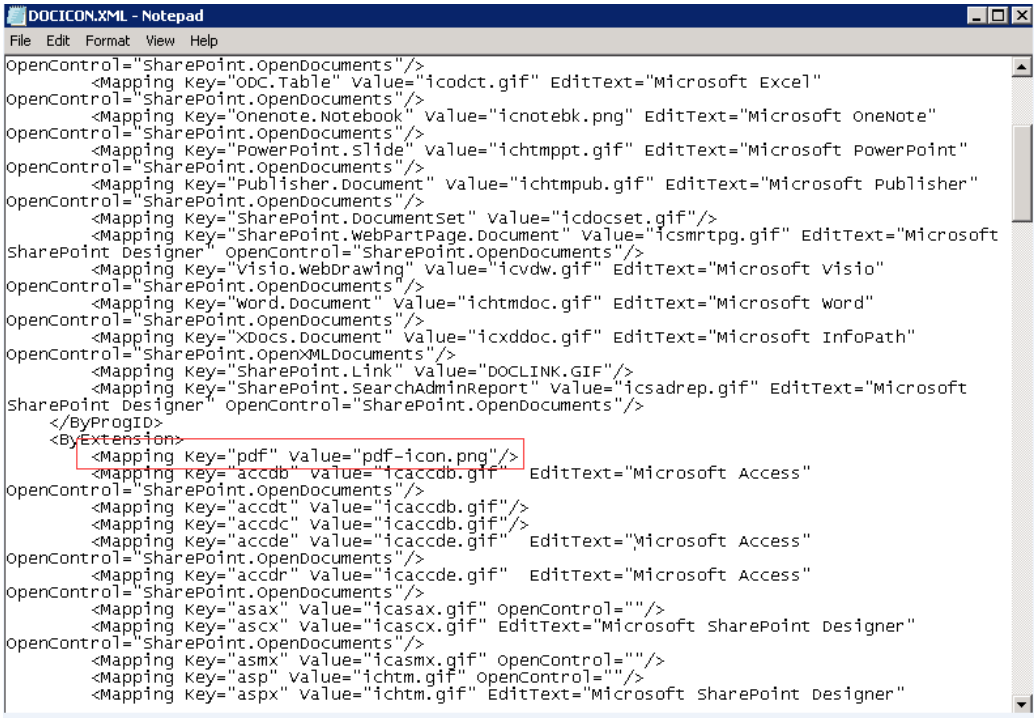
- For MOSS 2016

1. Copy the downloaded .png file to "Drive:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\16\Template\Images"
2. Edit the file “Drive:\Program Files\Common Files\Microsoft Shared\Web server extensions\16\Template\Xml\DOCICON.XML”:

a. Right-click DOCICON.XML file > click Open With > select Notepad.

b. Add an entry for the .pdf extension as the file’s name. For example, type the ICPDF as the name of the .png file:

<Mapping Key="pdf" Value="pdf-icon.png"/>



c. Click Save on the File menu, and then quit Notepad.

3. Delete the following registry for Microsoft PDF Protector in SharePoint 2016

a) HKEY_LOCAL_MACHINE/Software/Microsoft/Shared Tools/Web Server Extensions/16.0/IrmProtectors

“{FC93F6CC-D367-4FC9-B3F6-E0933A24A8C8}” = “Microsoft.Office.Irm.PdfIrmProtector”

b) HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Shared Tools\Web Server Extensions\16.0\IrmProtectors\PdfIrmProtector

"Extensions"="PDF"

"Product"="PdfIrmProtector"

"Version"="16"

4. Add the following registry for Foxit PDF Secure PDF Protector in SharePoint 2016

   c) HKEY_LOCAL_MACHINE/Software/Microsoft/Shared Tools/Web Server Extensions/16.0/IrmProtectors

   "{2B86FB4A-D503-4040-8843-A2195C1E1D7E} " = "PDFProtector"

   d) HKEY_LOCAL_MACHINE/Software/Microsoft/Shared Tools/Web Server Extensions/16.0/IrmProtectors/PDFProtector

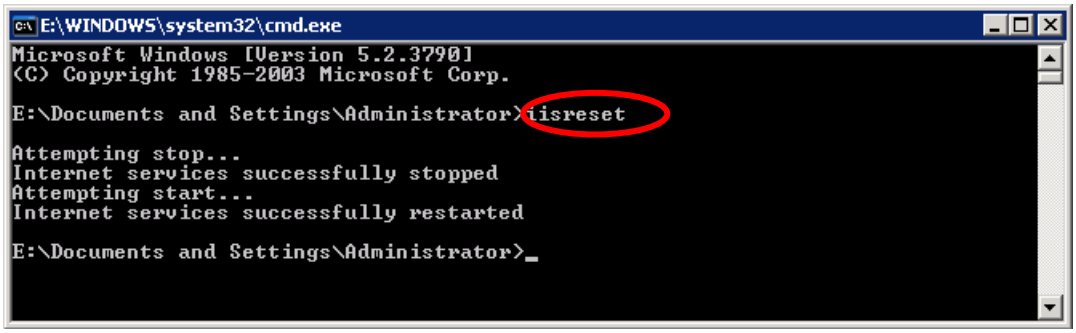
   "Extensions"="pdf"

   "Product"=" PDFProtector"

   "Version"="2"

- Perform an iisreset

  1. Click Start > Run > type "cmd" in the Open dialog box> click OK > type "iisreset" at the command prompt > Enter.



  2. Close the windows.

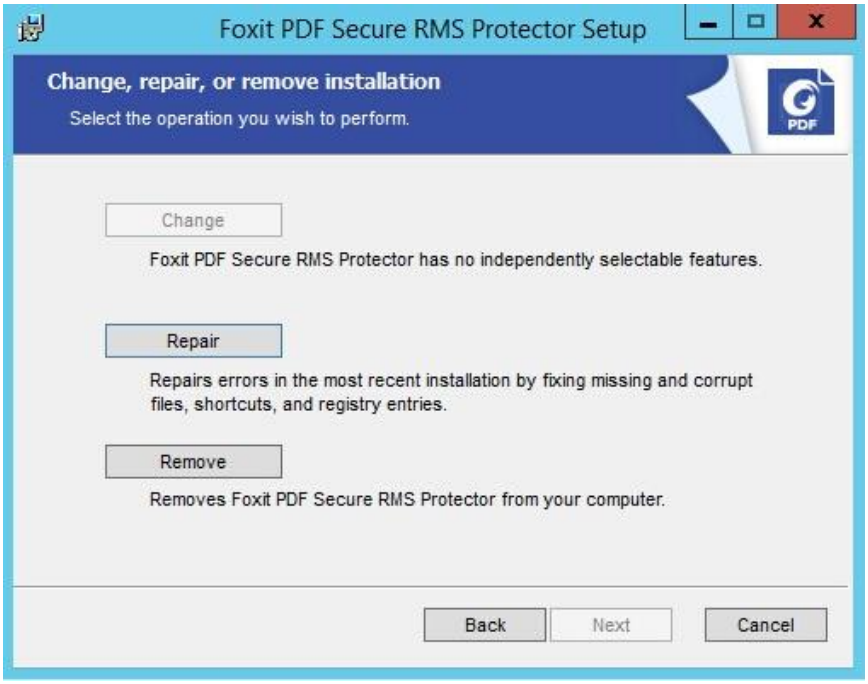
Uninstalling Foxit PDF Secure RMS Protector

To uninstall, please select one of the followings:

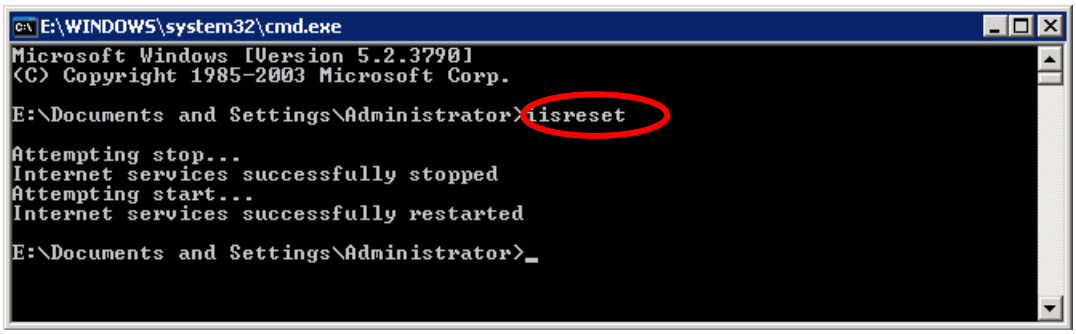
- Open the Start Menu > Settings > select "Control Panel" > click the "Add or Remove Programs" tab > click the "Foxit PDF Secure RMS Protector" record and then click the "Remove/Uninstalled" button to uninstall it.
- Open the Start Menu > Programs > select "Foxit PDF Secure RMS Protector" > click **Uninstall**.

Or you can double-click the SharePointPDFProtector.msi setup file that you have used to install Foxit PDF Secure RMS Protector, and perform the following:

- In the Foxit PDF Secure RMS Protector dialog box, select Remove Foxit PDF Secure RMS Protector



- Click Finish button to complete removal.
- Click Start > Run > type “cmd” in the Open dialog box> click OK > type “iisreset” in the command prompt > Press Enter.



- Close the windows.

View and Manage Event Logs of Foxit PDF Secure RMS Protector

To view and save the log information of the Protector, please do the following steps:

1. Add a registry entry.

   With Administrator’s Right:

   HKEY_LOCAL_MACHINE/Software/Foxit Software/FXRMS/FXSPProtector

   Name：trace

   Type：REG_DWORD

Data：1

Without Administrator's Right:

HKEY_CURRENT_USER/Software/Foxit Software/FXRMS/FXSPProtector

Name：trace

Type：REG_DWORD

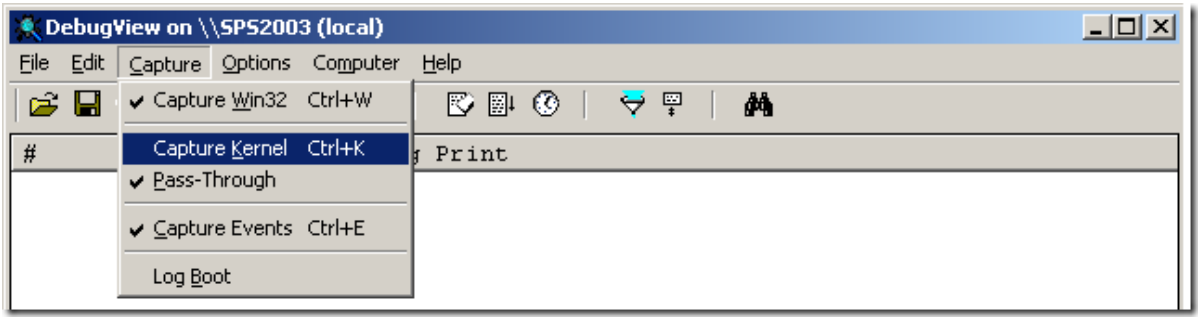
Data：1

Note: *if the value of trace is 1, the log feature will be activated; if the value of trace is 0, the log feature will be disabled.*

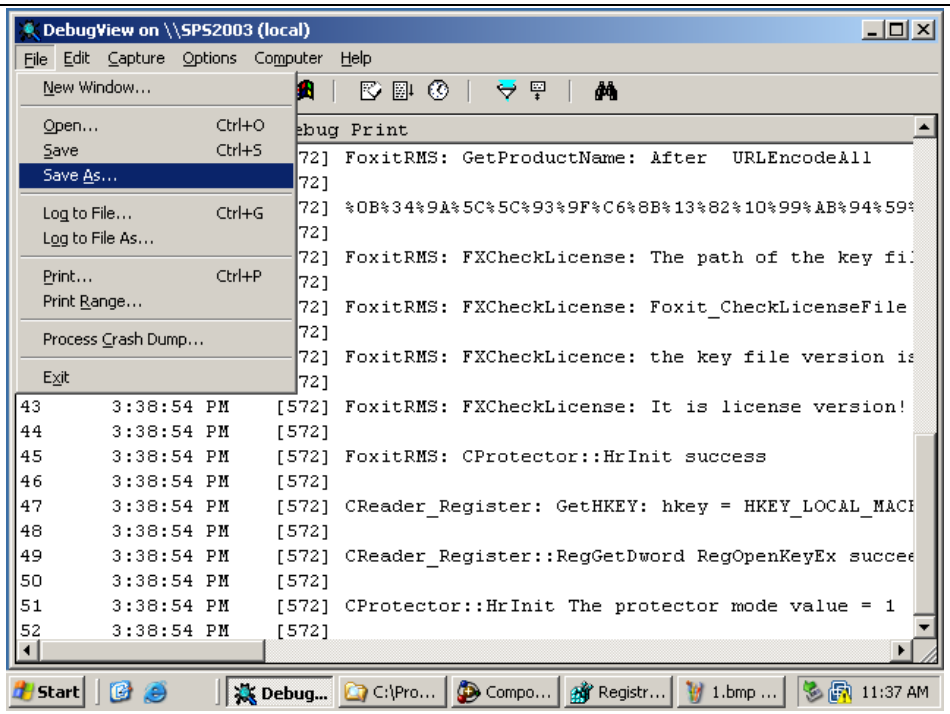
2. Download the **DebugView** tool from the following link and run it.

   http://technet.microsoft.com/en-us/sysinternals/bb896647.aspx

   Open the tool and disable Capture Kernel feature from the "Capture" menu to avoid capturing unnecessary information.



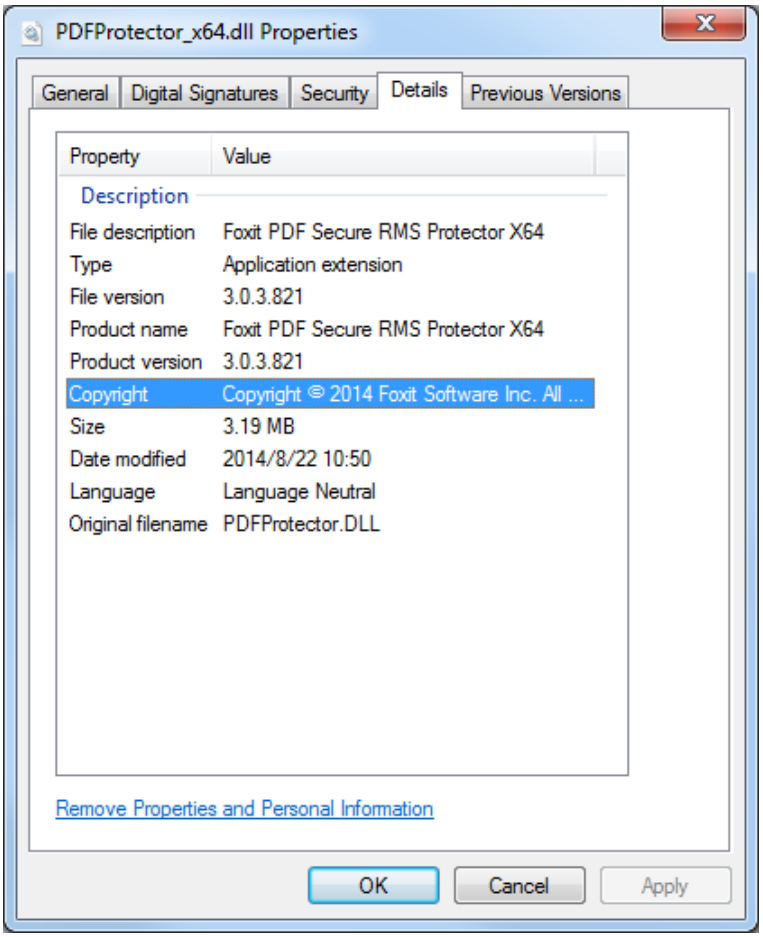
3. Perform an iisreset command (Please refer to Perform an iisreset), and you will be able to see the related log information now. The log information can be saved as a .txt file.



4. If you want to disable the log feature, please set the value of trace to 0 and perform an iisreset.

Check the version of Foxit PDF Secure RMS Protector

- Please navigate to the folder where Foxit PDF Secure RMS Protector installed. Right-click PDFProtector.dll > choose Properties > click the Details tab, then you can examine the version information of Foxit PDF Secure RMS Protector:



Editing Wrapper Content

If you open a PDF which is encrypted by Foxit RMS Protector with other PDF programs, a wrapper (which is actually a PDF page) will prompt you to download Foxit PhantomPDF/Reader to open the PDF. If you want to edit the wrapper content, please save the updated content as a PDF file named as "wrapperPDF" and place it within the RMS Protector's installation directory.

Configuring AD RMS to Work with SPS-SRV

Note: If you have configured AD·RMS when you were installing SharePoint, please skip this chapter.

For MOSS 2007

To add SPS-SRV to Local Intranet

1. Log on SPS-SRV as domain administrator, e.g., WIONS\administrator.

2. Click **Start**. Point to **Control Panel**, and then click **Internet Options**.
3. Click the **Security** tab, and choose **Local Intranet**, and then click the **Sites** button
4. Type **http://SPS-SRV,** and then click **Add**. Note: SPS-SRV is the computer's name of MOSS server.
5. Click **Close**, and then choose **OK**

To add SPS-SRV to the AD·RMS Certification Pipeline

1. Log on ADRMS-SRV as CPANDL\Administrator.
2. Click **Start**, and then click **Computer**.
3. Navigate to C:\Inetpub\wwwroot_wmcs\Certification.
4. Right-click **ServerCertification.asmx**, and choose **Properties**, and then click the **Security** tab.
5. Click **Advanced**>**Edit**, and select the check box **Include inheritable permissions from this object's parent**. Then click **OK** two times.
6. Click **Edit**, and then click **Add.**
7. Click **Object Types**, and select the check box **Computers**, then click **OK.**
8. Type the computer's name of MOSS server, such as **SPS-SRV**, and then click **OK.**
9. Click **OK** to close the **ServerCertification.asmx Properties** sheet.
   The default Read & Execute and Read permissions are configured for the SPS-SRV computer account object and other accounts' are all inherited from the parent folder.
10. Click **Start**, and then click **Command Prompt**.
11. Type **iisreset**, and then press ENTER.

To activate Information Rights Management in Office SharePoint Server 2007

Please do the following:

1. Log on SharePoint Server as the administrator.
2. Click **Start**, and point to **Administrative Tools**, then click **SharePoint 3.0 Central Administration**.
3. Click **Operations**, and choose **Information Rights Management**.
4. Click **Use the default RMS server specified in Active Directory**.
5. Click **OK**.

To restrict permissions using AD·RMS

1. Log on as CPANDL\administrator.

2. Click **Start**, point to **All Programs**, and then click **Internet Explorer**.
3. Type **http://SPS-SRV** in the address bar, and then click **Go**.
4. Click **Shared Documents**, and choose **Library page**, and then click **Library Settings button**.
5. Under the **Permissions and Management** heading, click **Information Rights Management**.
6. Select the check box **Restrict permission to documents in this library on download**.
7. Type **CPANDL Protected** in the **Permissions policy title** box.
8. Type **Restrict CPANDL employees from printing** in the **Permission policy description** box.
9. Click **OK**.

For MOSS 2010

To add SPS-SRV to Local Intranet

- Log on SPS-SRV as domain administrator, e.g., CPANDL\administrator.
- Click **Start**, and point to **Control Panel**, then choose **Internet Options**.
- Click the **Security** tab, and choose **Local Intranet**, and then click the **Sites** button.
- Type **http://SPS-SRV,** and then click **Add**. Note: SPS-SRV is the computer's name of MOSS2010 server.
- Click **Close**, and then click **OK.**

To add SPS-SRV to the AD·RMS Certification Pipeline

- Log on ADRMS-SRV as CPANDL\Administrator.
- Click **Start**, and then click **Computer**.
- Navigate to C:\Inetpub\wwwroot_wmcs\Certification.
- Right-click **ServerCertification.asmx**, and click **Properties**, then choose the **Security** tab.
- Click **Advanced** and choose the **Edit**. Select the check box **Include inheritable permissions from this object's parent**, and then click **OK** two times.
- Click **Edit**, and then click **Add**
- Click **Object Types**, select the check box **Computers**, and then click **OK**
- Type the computer's name of MOSS server, such as **SPS-SRV**, and then click **OK**
- Click **OK** to close the **ServerCertification.asmx Properties** sheet. The default Read & Execute and Read permissions are configured for the SPS-SRV computer account object and other accounts are all inherited from the parent folder.

- Click **Start**, and then click **Command Prompt**.
- Type **iisreset**, and then press ENTER

To activate Information Rights Management in Office SharePoint Server 2010

Please do the followings:

- Log on SharePoint Server as administrator.
- Click **Start**, and point to **Administrative Tools**, then click **SharePoint 2010 Central Administration**.
- Click **Security (on the left)**, and then click **Configure Information Rights Management under the Information policy heading.**
- Click **Use the default RMS server specified in Active Directory**.
- Click **OK**.

To restrict permissions using AD·RMS

- Log on as CPANDL\administrator.
- Click **Start**, point to **All Programs**, and then click **Internet Explorer**.
- Type **http://SPS-SRV** in the address bar, and then click **Go**.
- Click **Shared Documents**, and choose **Library page**, and then click **Library Settings button**.
- Under the **Permissions and Management** heading, click **Information Rights Management**.
- Select the check box **Restrict permission to documents in this library on download**.
- Type **CPANDL Protected** in the **Permissions policy title** box.
- Type **Restrict CPANDL employees from printing** in the **Permission policy description** box.
- Click **OK**.

For MOSS 2013 and 2016

To add SPS-SRV to Local Intranet

- Log on SPS-SRV as domain administrator, e.g., MOSS\administrator.
- Click **Start**, and go to **Control Panel**, then choose **Internet Options**.
- Click the **Security** tab, and choose **Local Intranet**, and then click the **Sites** button.

- Type **http://SPS-SRV,** and then click **Add**. Note: SPS-SRV is the computer's name of MOSS 2013 or 2016 server.
- Click **Close**, and then click **OK.**

To add SPS-SRV to the AD·RMS Certification Pipeline

- Log on ADRMS-SRV as MOSS\Administrator.
- Click **Start**, and then click **Computer**.
- Navigate to C:\Inetpub\wwwroot_wmcs\Certification.
- Right-click **ServerCertification.asmx**, and click **Properties**, then choose the **Security** tab.
- Click **Advanced** and choose the **Edit**. Select the check box **Include inheritable permissions from this object's parent**, and then click **OK** two times.
- Click **Edit**, and then click **Add**
- Click **Object Types**, select the check box **Computers**, and then click **OK**
- Type the computer's name of MOSS server, such as **SPS-SRV**, and then click **OK**
- Click **OK** to close the **ServerCertification.asmx Properties** sheet. The default Read & Execute and Read permissions are configured for the SPS-SRV computer account object and other accounts are all inherited from the parent folder.
- Click **Start**, and then click **Command Prompt**.
- Type **iisreset**, and then press ENTER

To activate Information Rights Management in Office SharePoint Server 2013 and 2016

Please do the followings:

- Log on SharePoint Server as administrator.
- Click **Start**, and point to **Administrative Tools**, then click **SharePoint 2013 (or 2016) Central Administration**.
- Click **Security (on the left)**, and then click **Configure Information Rights Management under the Information policy heading.**
- Click **Use the default RMS server specified in Active Directory**.
- Click **OK**.

To restrict permissions using AD·RMS

- Log on as MOSS\administrator.
- Click **Start**, go to **All Programs**, and then click **Internet Explorer**.

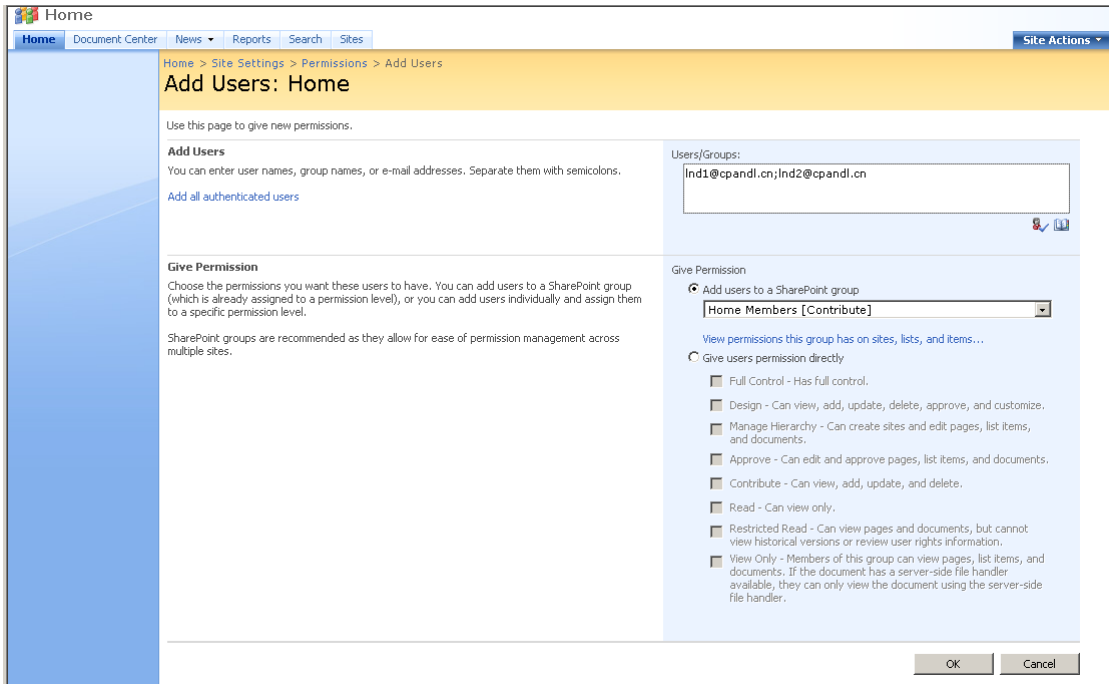
- Type **http://SPS-SRV** in the address bar, and then click **Go**.
- Click **Documents**, and choose **Library page**, and then click **Library Settings button**.
- Under the **Permissions and Management** heading, click **Information Rights Management**.
- Select the check box **Restrict permission on this library on download**.
- Type **CPANDL Protected** in the **Create a permissions policy title** box.
- Type **Restrict CPANDL employees from printing** in the **Add a permission policy description** box.
- Click **OK**.

Working with Foxit PDF Secure RMS Protector

For MOSS 2007

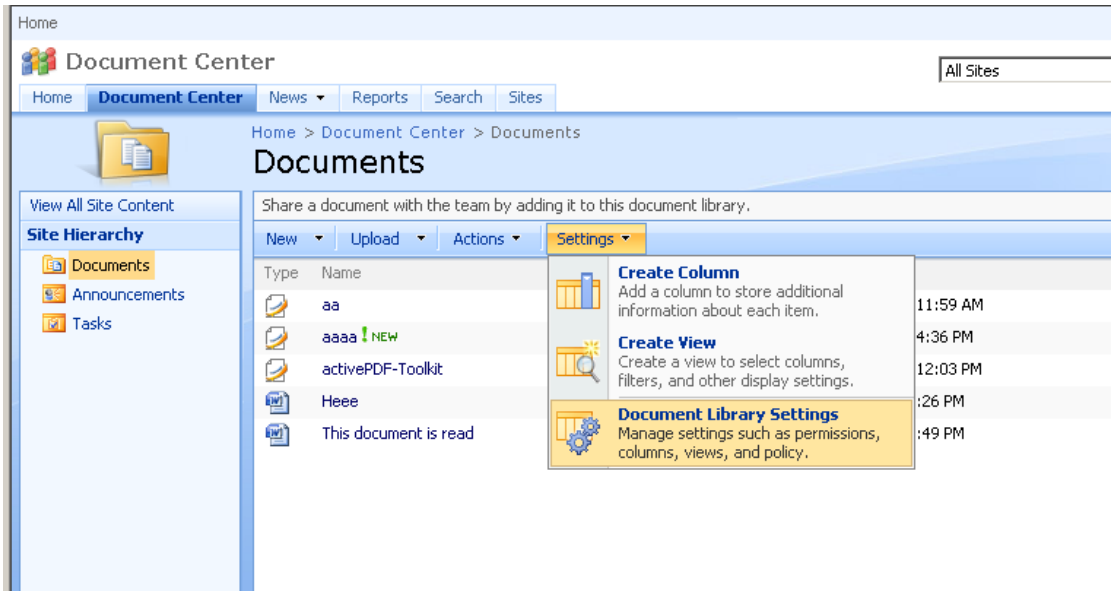
To add the domain user to SharePoint site

- In the same Office SharePoint Server 2007 site, click **Home**.
- Click **Site Actions** and point to **Site Settings**, and then click **People and Groups**.
- Click **New**, and then choose **Add Users**.
- Type domain users' names, such as **lnd1@cpandl.cn;lnd2@cpandl.cn** in the **Users/Groups** box, and then click **OK**. A list of users who have the permission to use the SharePoint will be displayed.

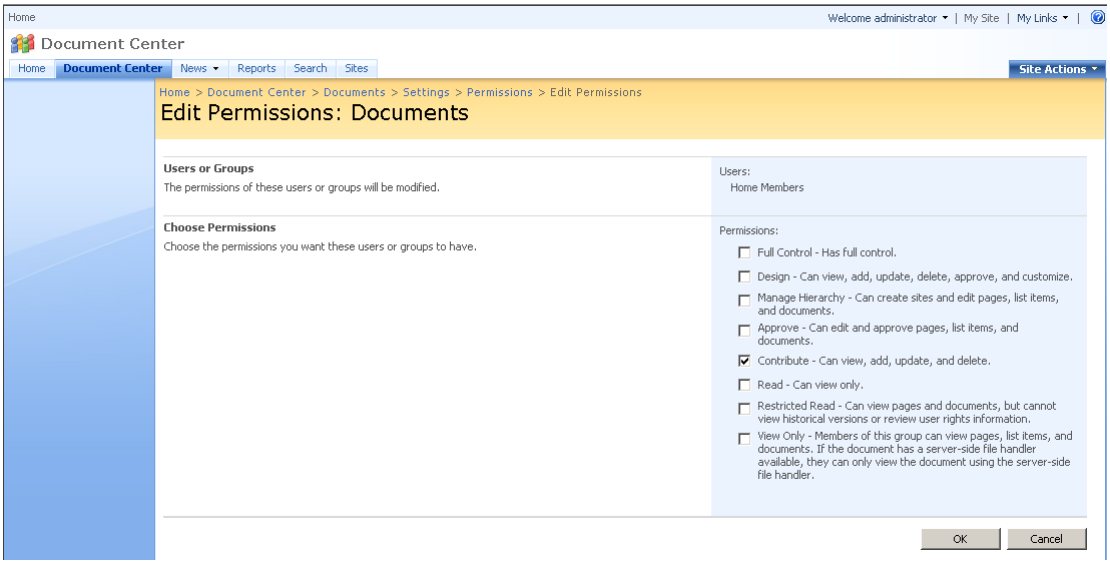


To set the group permission in SharePoint site

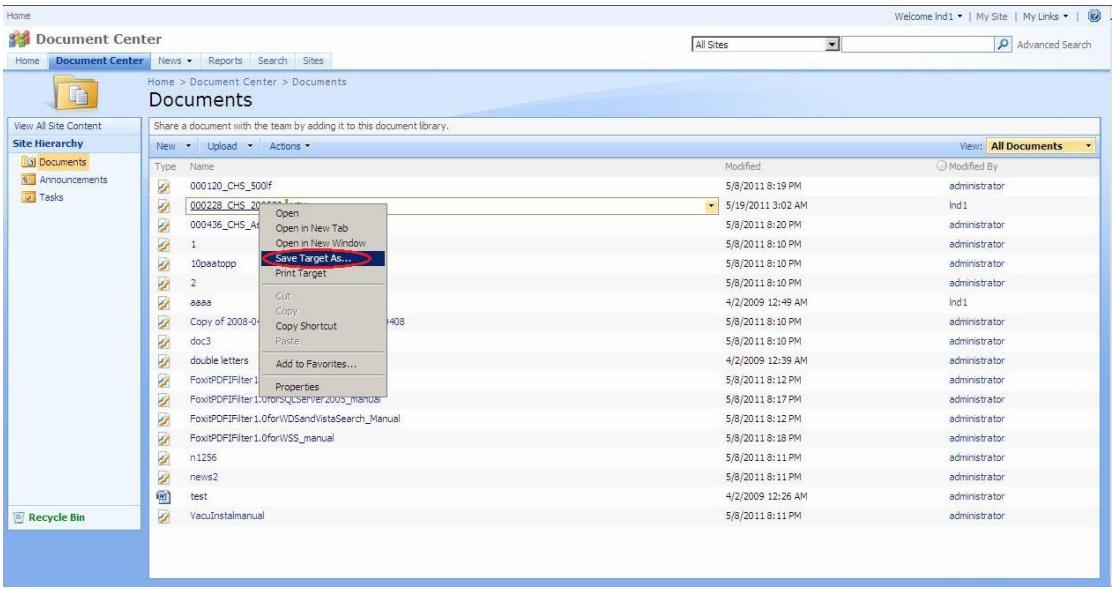
- Navigate to the **Documents** page, log on as administrator@cpandl.com, clicking the **Settings** drop-down box and select **Document Library Settings**.



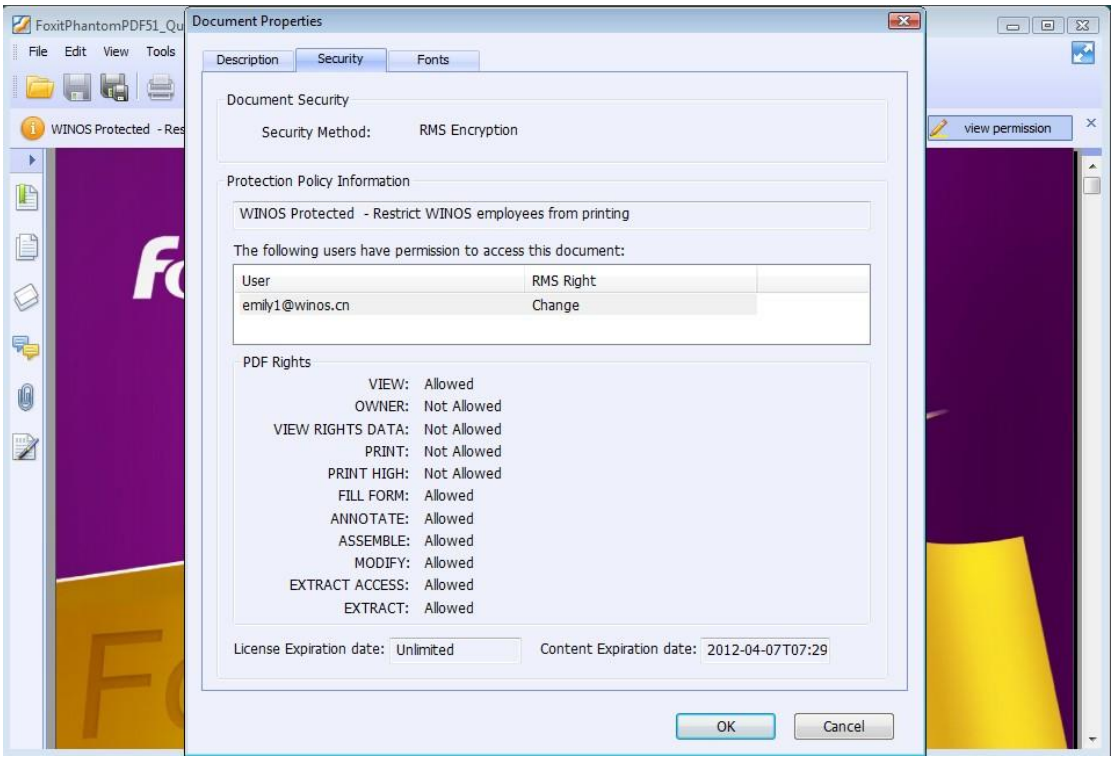
- Click **Permissions for this document library** under Permissions and Management on the Customize Documents page.
- Please click **Home Members** on "Permissions: Documents" page.
- Please choose the permission you need, for example, you can choose the **Contribute-Can view, add, update, and delete**. Then click **OK**.



- Return to **Documents** page, log on as lnd1@cpandl.com, to download a PDF file to your host.

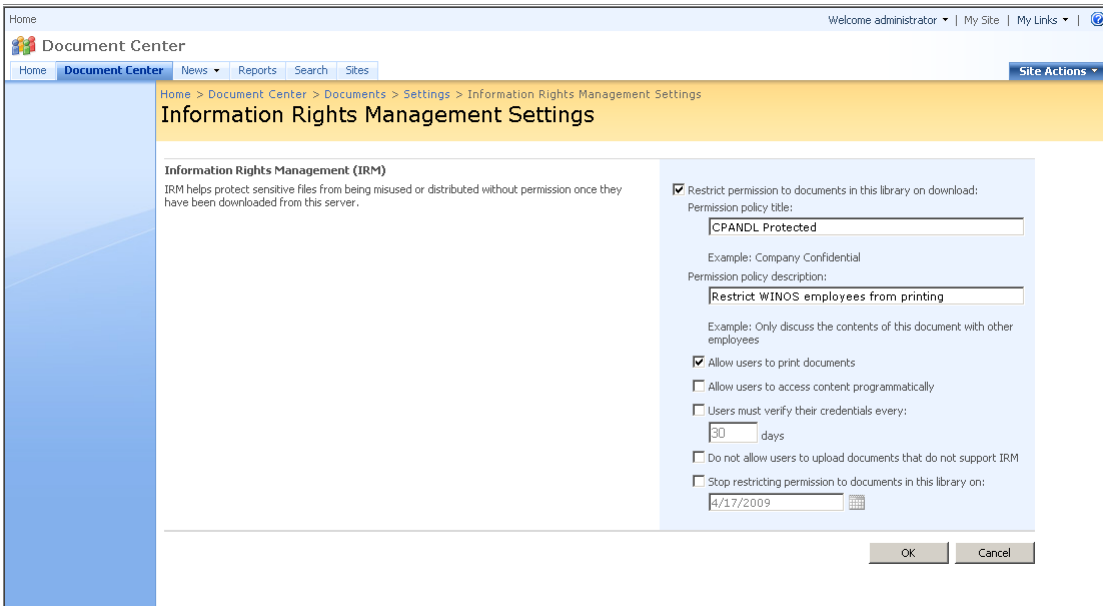


- Open the download PDF file by Foxit Reader, and left-click **View Permission** to see the **RMS Right**.

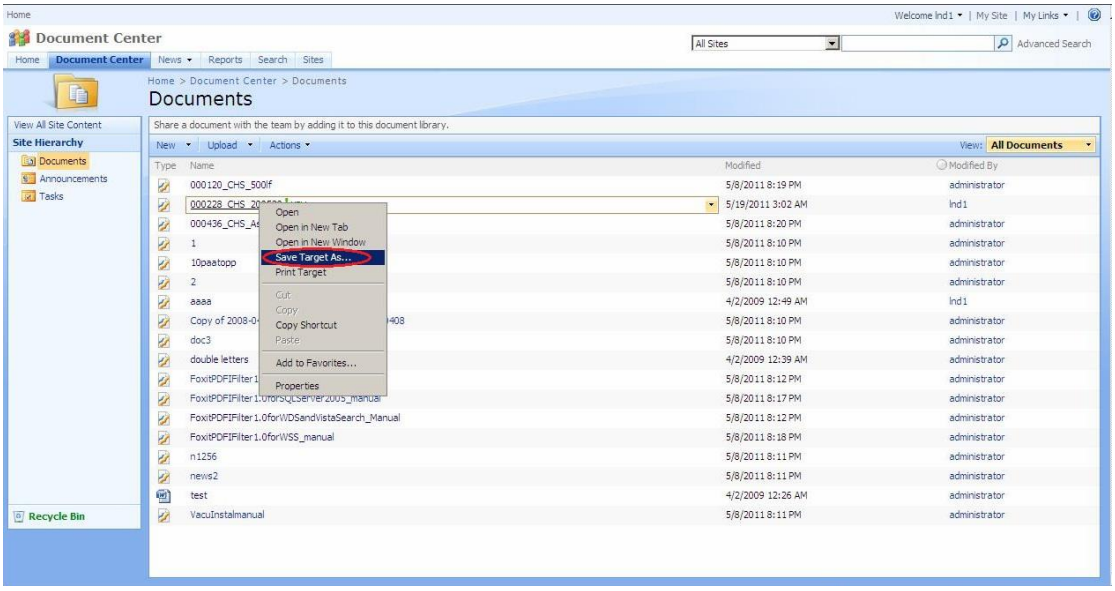


To restrict the print permissions using RMS

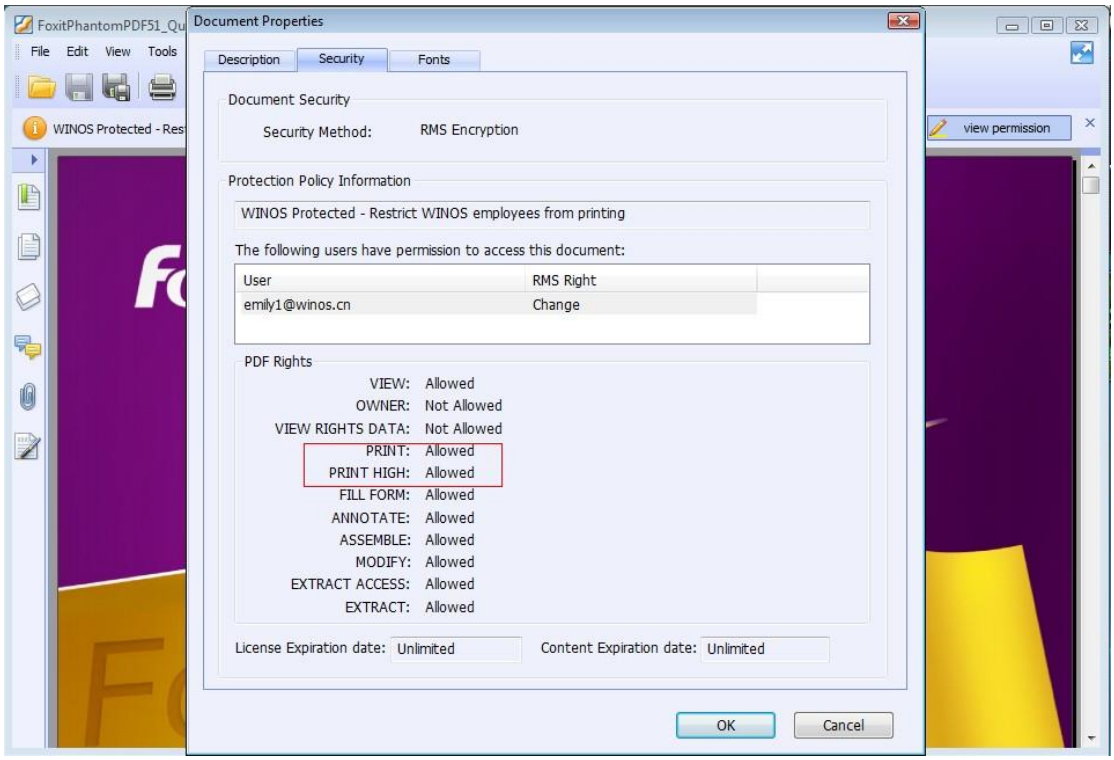
- In the same Office SharePoint Server 2007 site, click Home.
- Click **Document Center**, and then click **Documents.**
- On the **Documents** page, left-clicking the **Settings** drop-down box and select **Document Library Settings**.
- On settings page, choose **Information Rights Management** under Permissions and Management.
- Choose **Allow users to print documents**, and then click **OK**.



- Return to **Documents** page, for example log on as lnd1@cpandl.cn, right-click a pdf file and **choose Save Target AS...** to save a PDF file to the local host.



- Open the download PDF file by Foxit Reader. Left-click **View Permission** to view the RMS Right of this file. Please see the following picture.



For MOSS 2010

To add the domain user to SharePoint site

- Click **Start**, and point to **All Programs**, then click **Internet Explorer**.
- Type **http://SPS-SRV** in the address bar, and then click **Go**. This operation will open the default Office SharePoint Server 2010 site that was created during installation.
- Click **Site Actions**, and point to **Site Settings**, and then click **People and Groups under the Users and Permissions heading**.
- Click **New**, and then click **Add Users**.
- Type domain users' names, such as **lnd1@cpandl.cn;lnd2@cpandl.cn** in the **Users/Groups** box, and then click **OK**. A list of users who have the permissions to use the SharePoint will be displayed.

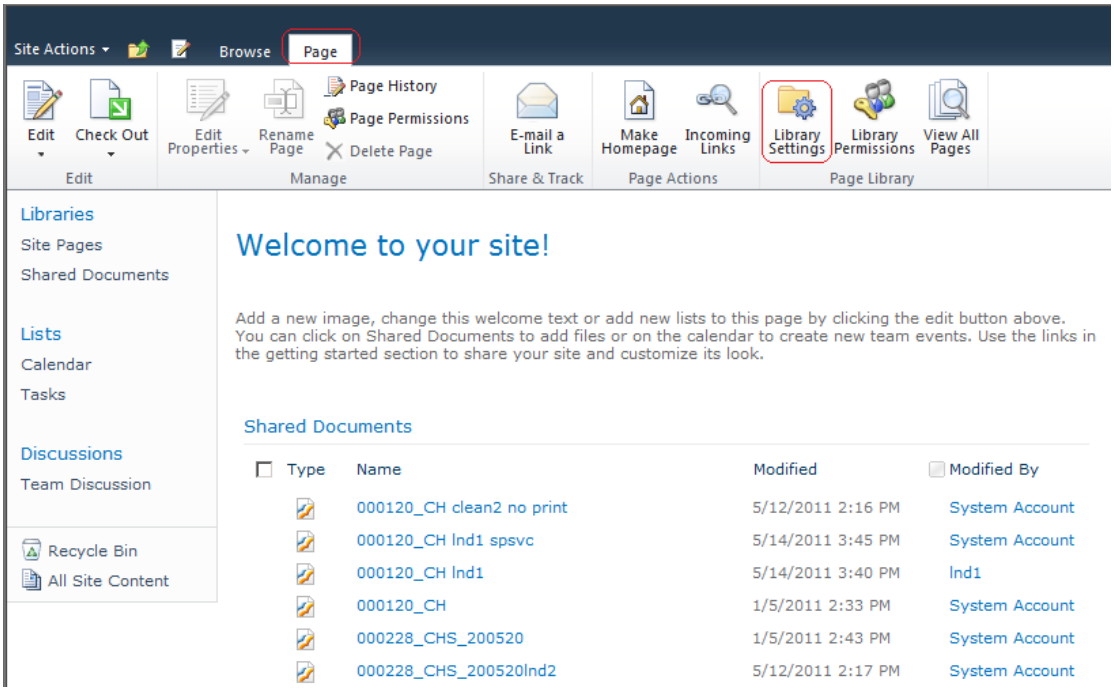
To set group permission in SharePoint site

Log on as CPANDL\Administrator.

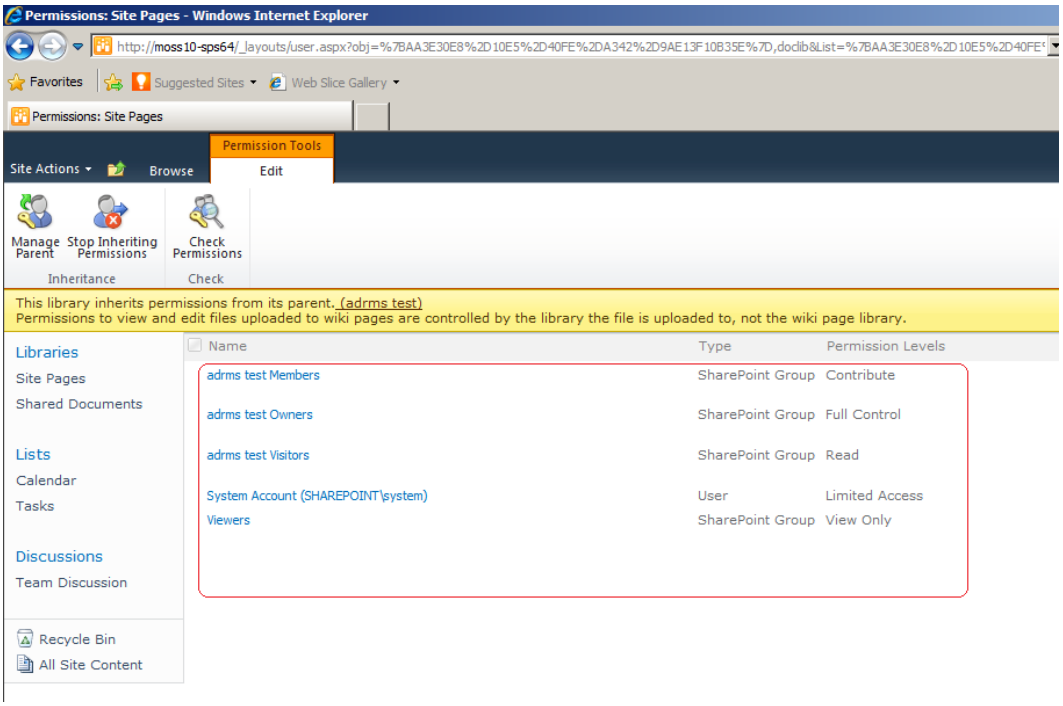
Click **Start**, and point to **All Programs**, and then click **Internet Explorer**.

Type **http://SPS-SRV** in the address bar, and then click **Go**.

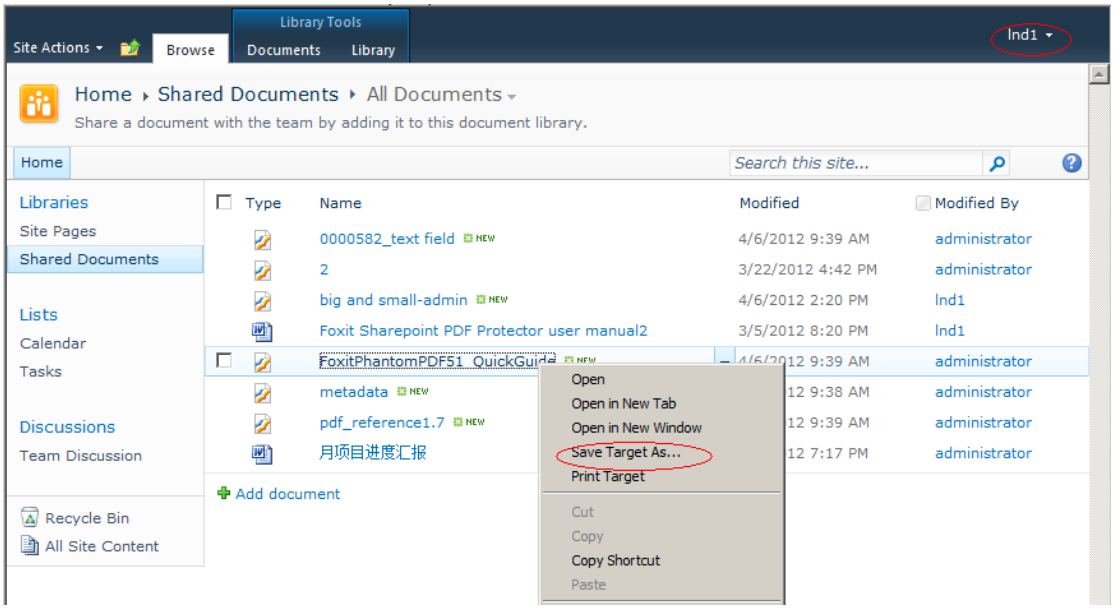
Click **Shared Documents** and **Library page**, then click **Library Settings button**.



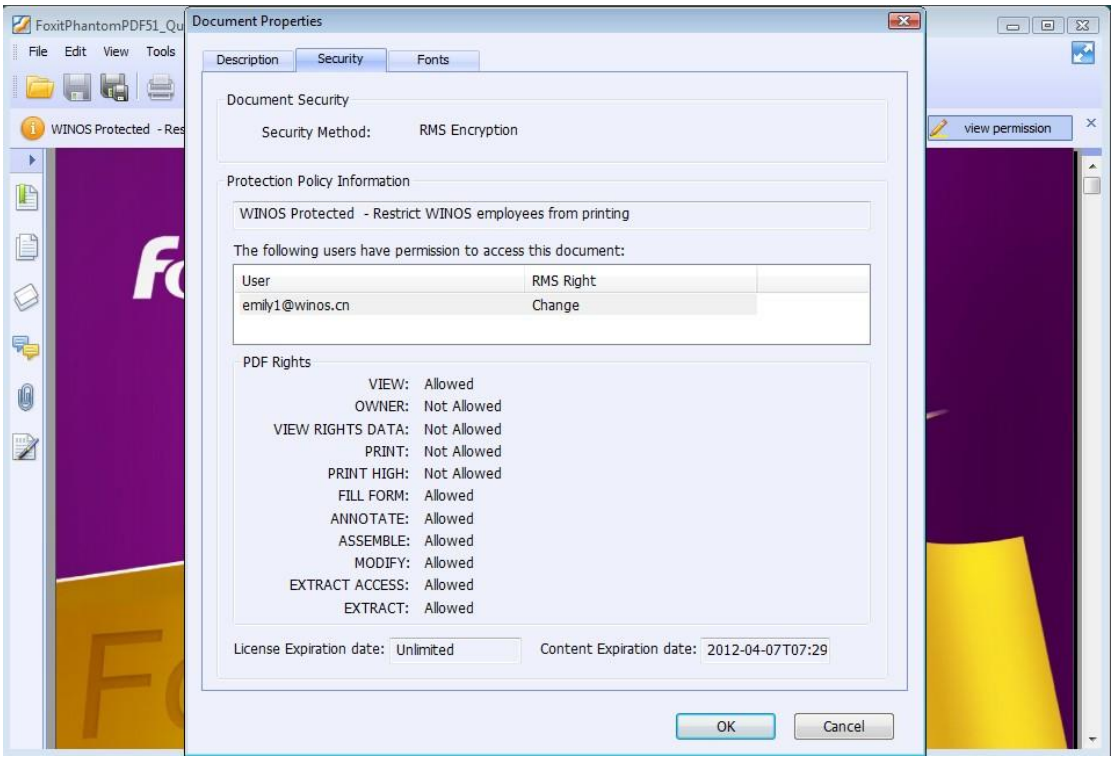
- Click **Permissions for this document library** under Permissions and Management on Customize Documents page.



- Return to **Shared Documents** page, log on as lnd1@cpandl.com(one of ADRMS test Members), to download a PDF file to your load host.

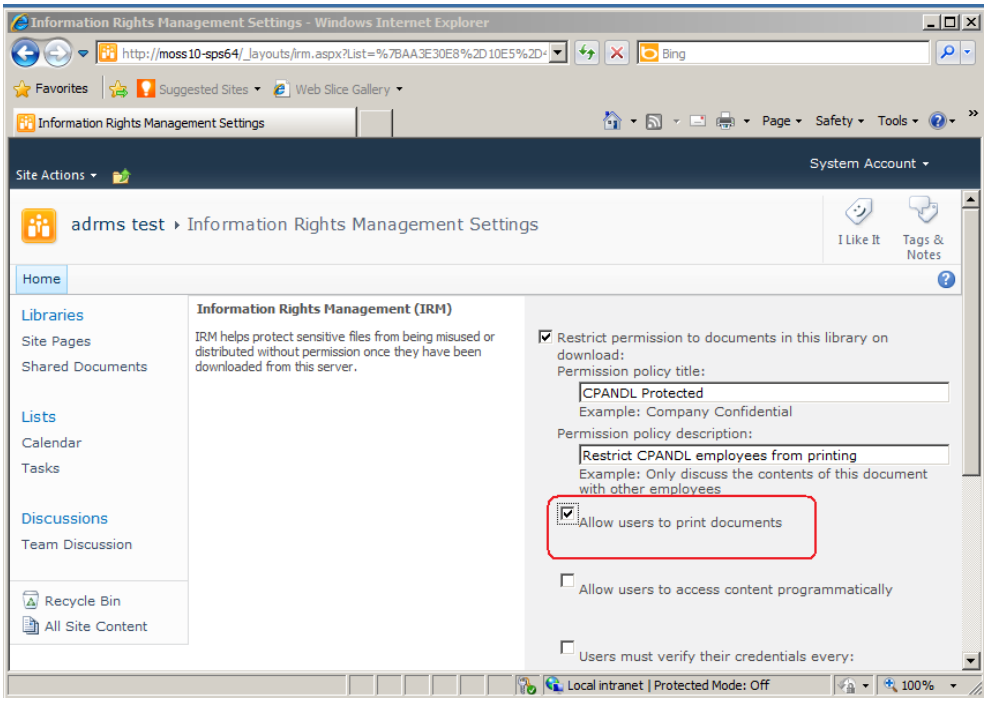


- Open the download PDF file by Foxit Reader, and left-click **View Permission** to see the **RMS Right**.

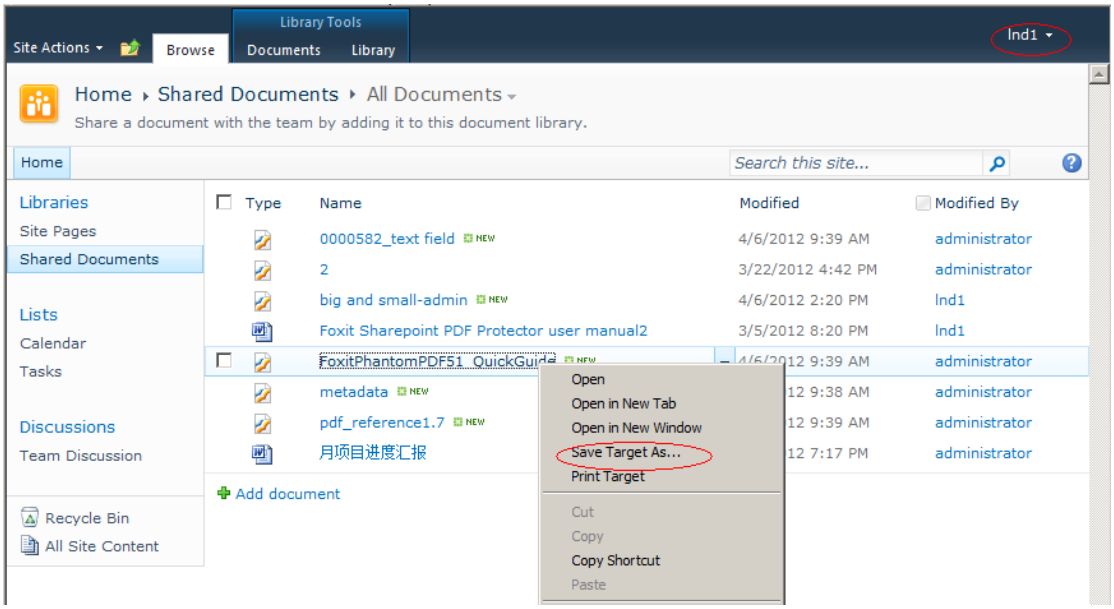


To restrict the print permissions using RMS

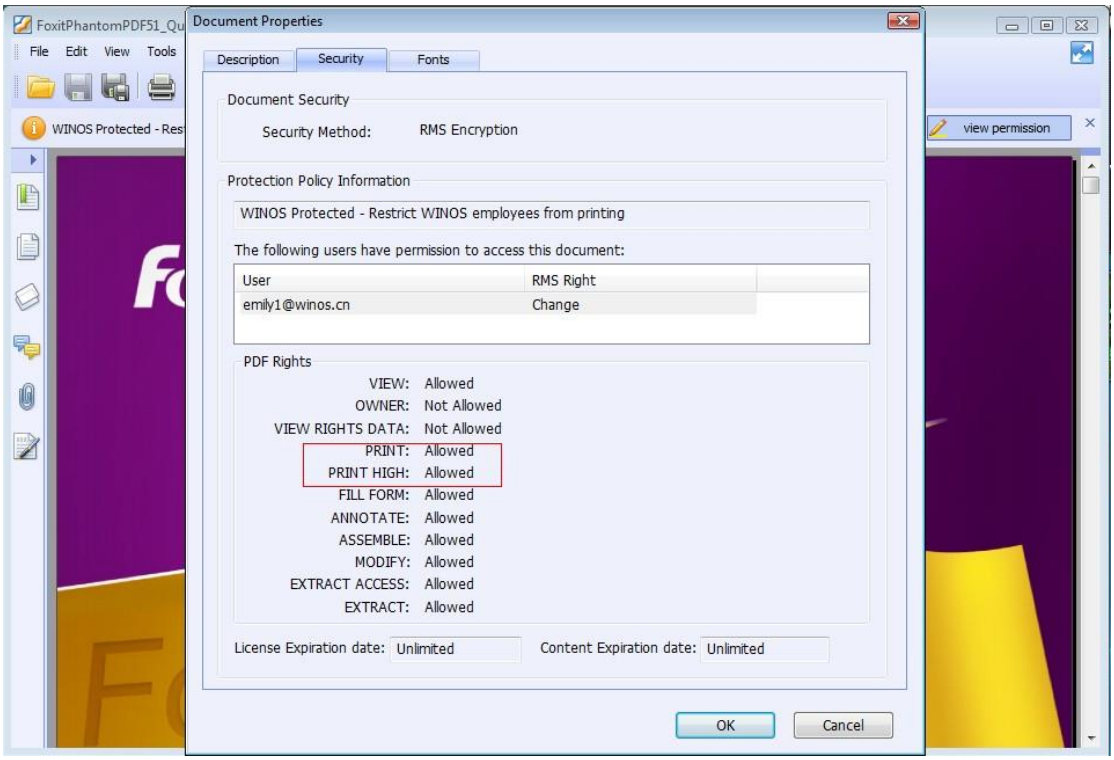
- In the same Office SharePoint Server 2010 site, click Home.
- Click **Shared Documents** and **Library** page**,** then click **Library Settings button**.
- On the settings page, choose **Information Rights Management** under Permissions and Management.
- Choose **Allow users to print documents**, and click **OK**.



- Return to **Shared Documents** page, for example log on as lnd1@cpandl.com, and right-click a pdf file and **choose Save Target AS...** to save a PDF file to the local host.



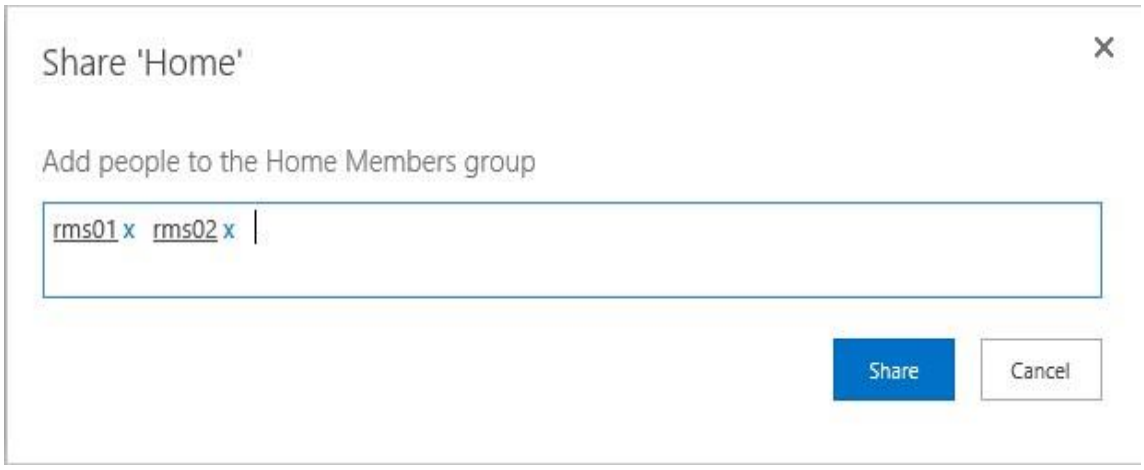
- Open the download PDF file by Foxit Reader. Left-click **View Permission** to view the RMS Right of this file. Please see the following picture.



For MOSS 2013 and 2016

To add the domain user to SharePoint site

- Click **Start**, and go to **All Programs**, then click **Internet Explorer**.
- Type **http://SPS-SRV** in the address bar, and then click **Go**. This operation will open the default Office SharePoint Server 2013 (or 2016) site that was created during installation.
- Click **Setting**, and go to **Site Settings**, and then click **People and Groups under the Users and Permissions heading**.
- Click **New**, and then click **Add Users**.
- Type domain users' names, such as **rms01@moss.com;rms02@moss** in the **Users/Groups** box, and then click **OK**. A list of users who have the permissions to use the SharePoint will be displayed.



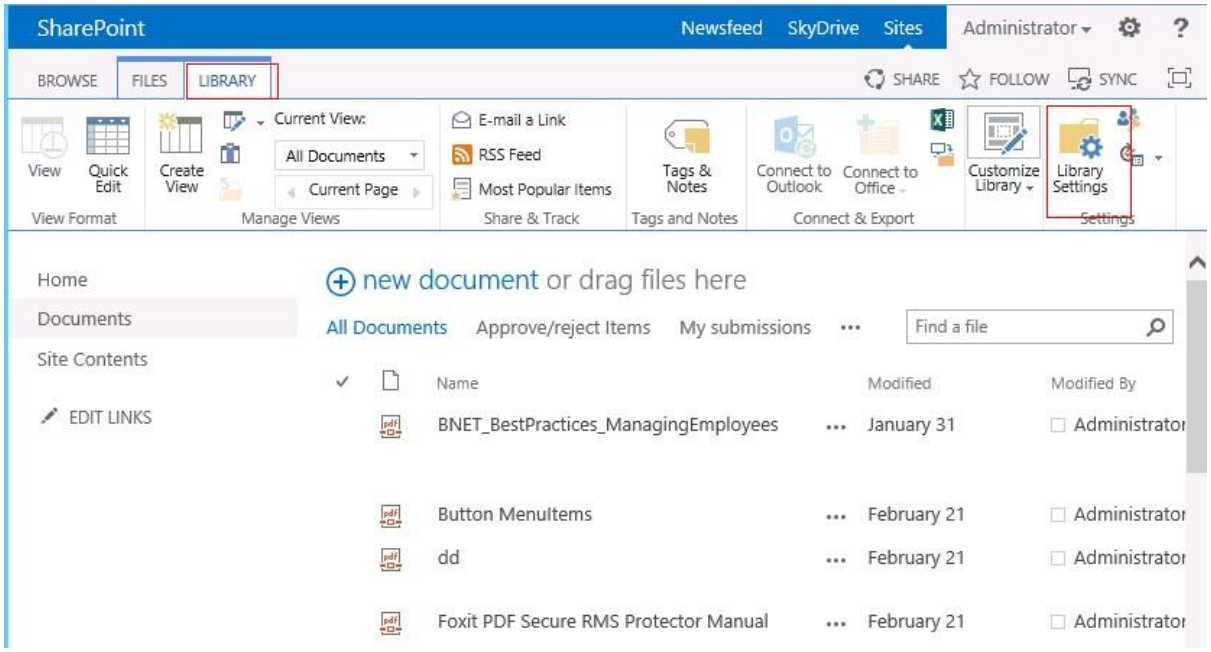
To set group permission in SharePoint site

Log on as MOSS\Administrator.

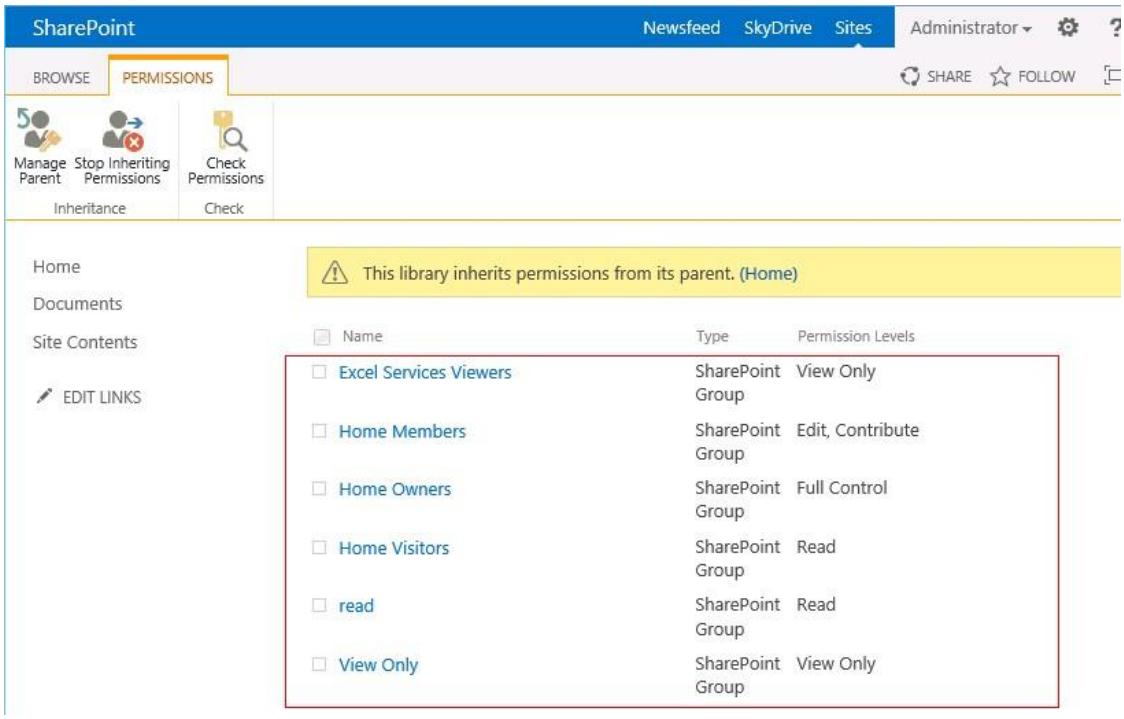
Click **Start**, and go to **All Programs**, and then click **Internet Explorer**.

Type **http://SPS-SRV** in the address bar, and then click **Go**.

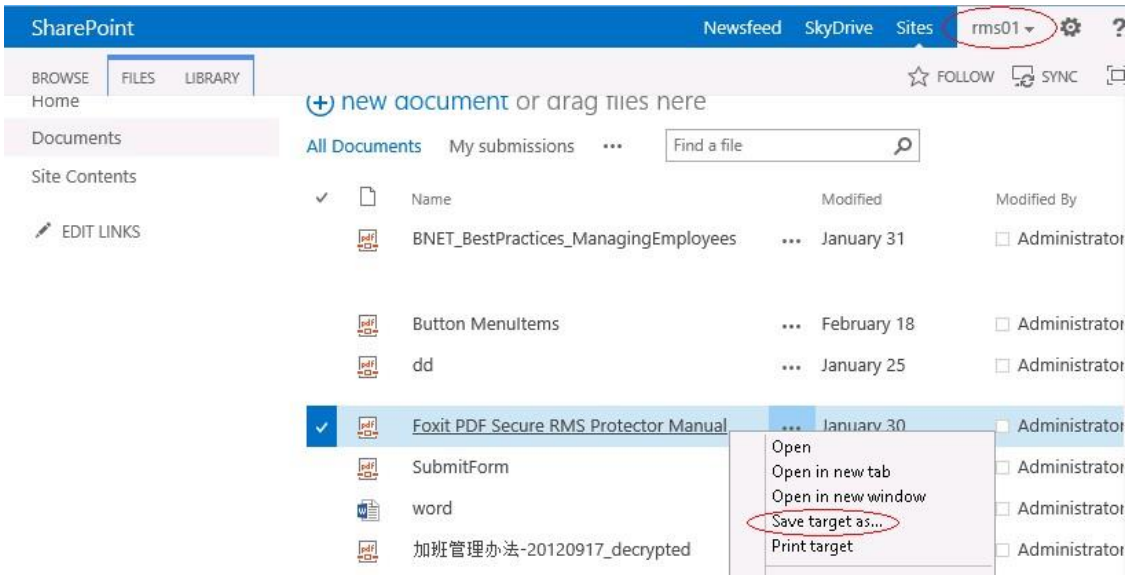
Click **Documents** and **Library page**, then click **Library Settings button**.



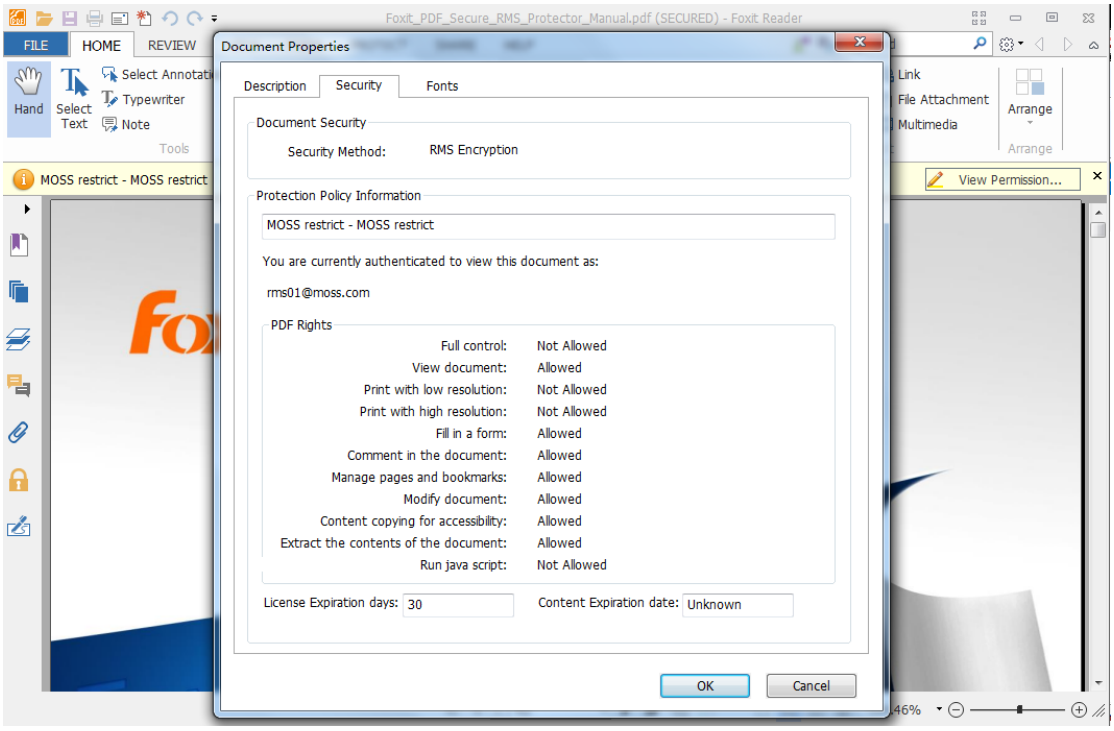
- Click **Permissions for this document library** under Permissions and Management on Customize Documents page.



- Return to **Documents** page, log on as rms01@moss.com (one of ADRMS test Members), to download a PDF file to your load host.

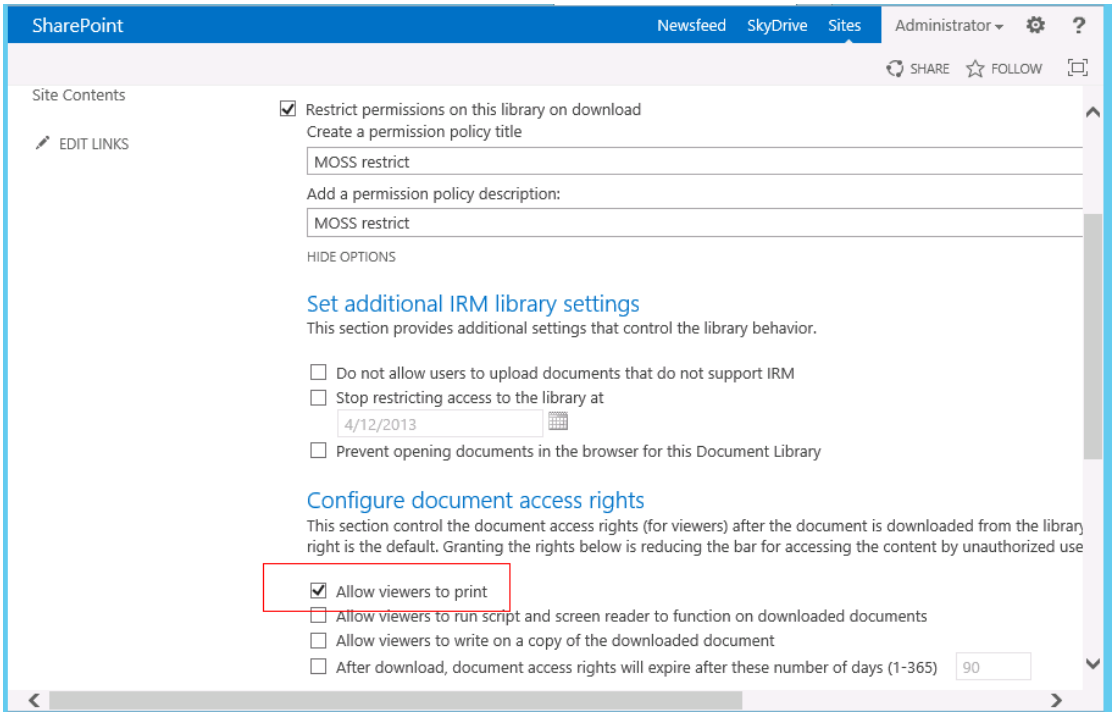


- Open the download PDF file by Foxit Enterprise Reader, and left-click **View Permission** to see the **RMS Right**.

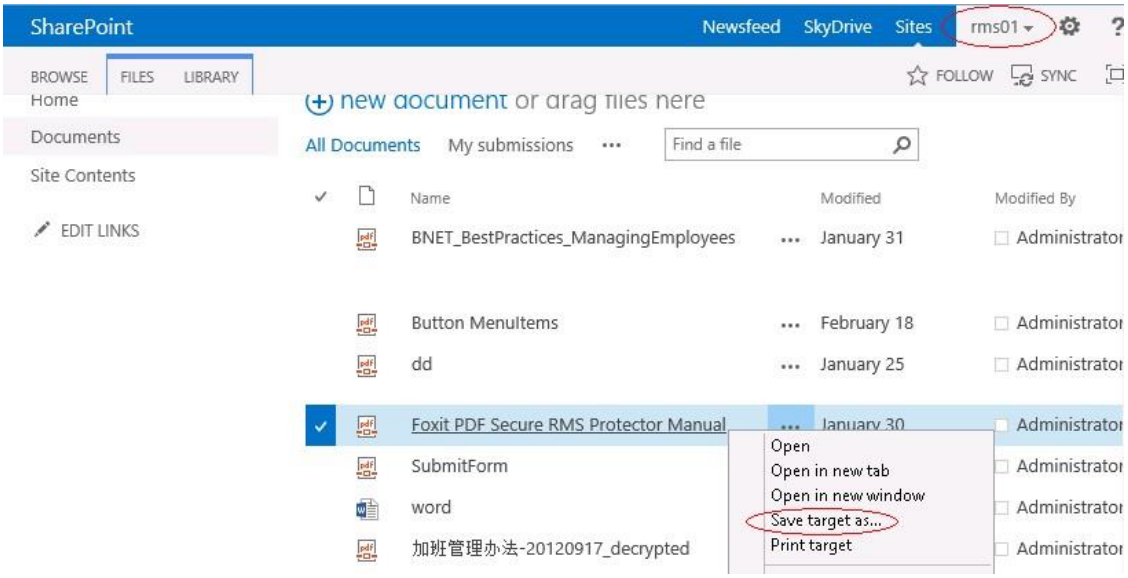


To restrict the print permissions using RMS

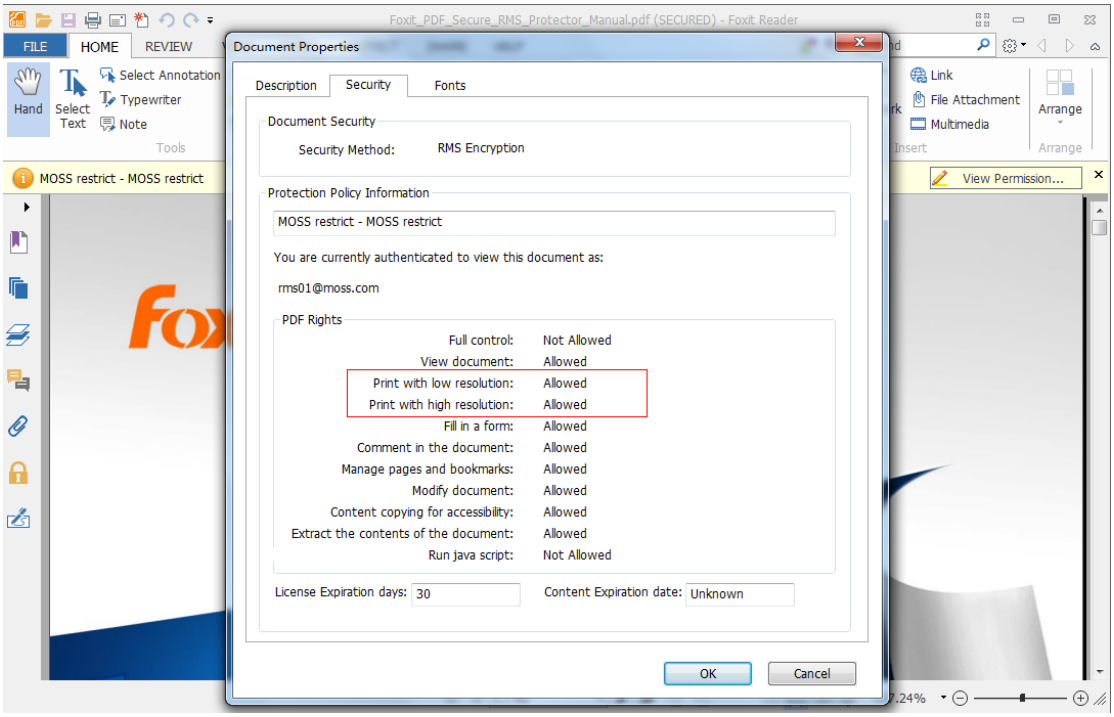
- In the same Office SharePoint Server 2013 (or 2016) site, click Home.
- Click **Documents** and **Library** page, then click **Library Settings button**.
- On the settings page, choose **Information Rights Management** under Permissions and Management.
- Choose **Allow viewers to print**, and click **OK**.



- Return to **Documents** page, for example log on as rms01@moss.com, and right-click a pdf file and **choose Save Target AS...** to save a PDF file to the local host.



- Open the download PDF file by Foxit Reader. Left-click **View Permission** to view the RMS Right of this file. Please see the following picture.



Chapter 3 - For Exchange

Getting Started

This section provides everything about getting started with Foxit PDF Secure RMS Protector you'll need to know, including its system requirements, install and uninstall instructions.

System Requirements

System requirements for Exchange2010

Computer	Operating System	Requirement
ADRMS Server	Windows Server 2008 R2	RMS, Internet Information Services (IIS) 6.0, World Wide Web Publishing Service, Message Queuing (also known as MSMQ)
DC	Windows Server 2003 with SP1	Active Directory, Domain Name System (DNS)
ADRMS-DB	Windows Server 2003 with SP1	Microsoft SQL Server™ 2005
Exchange Server 2010 Such as named EX01	Windows Server 2008 with SP2 or Windows Server 2008 R2	Exchange Server 2010 and has been added this Server to DC
Client	Win7	Client , Outlook 2010

System requirements for Exchange2013

Computer	Operating System	Requirement
ADRMS Server	Windows Server 2008 R2	RMS, Internet Information Services (IIS) 6.0, World Wide Web Publishing Service, Message Queuing (also known as MSMQ)
DC	Windows Server 2008 with SP1	Active Directory, Domain Name System (DNS)
ADRMS-DB	Windows Server 2012	Microsoft SQL Server™ 2012
Exchange Server 2013 Such as named QA2012-EXC	Windows Server2012	Exchange Server 2013 and has been added this Server to DC
Client	Win7	Client , Outlook 2013

System requirements for Exchange2016

Computer	Operating System	Requirement
ADRMS Server	Windows Server 2012	RMS, Internet Information Services (IIS)
DC	Windows Server 2012	Active Directory, Domain Name System (DNS)
ADRMS-DB	Windows Server 2012	Microsoft SQL Server™ 2012
Exchange Server 2016 Such as named QA2012-EXC	Windows Server2012	Exchange Server 2016 and has been added this Server to DC
Client	Win7	Client , Outlook 2016

Corresponding permissions of Foxit Reader and Exchange

Exchange service provides there levels rights: Full control, Change, Read.

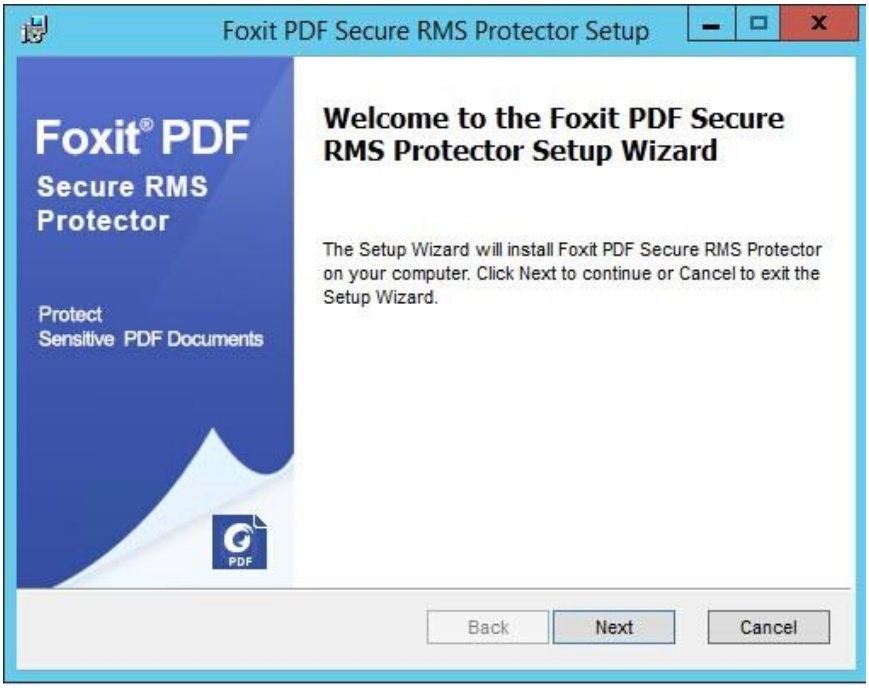
Level	Rights of Foxit Reader
Full control	View, Copy, Modify, Print, View Data, Access, Annotate, Fill Form, Assemble
Change	View, Copy, Modify, Access, Annotate, Fill Form, Assemble
Read	View

The user can only print the document if the document library IRM settings have been configured to allow document printing.

Installing Foxit PDF Secure RMS Protector on an Exchange Server

To install Foxit PDF Secure RMS Protector:

- Stop the IIS Admin service: Start > Settings > Control Panel > Administrator Tools > Services > IIS Admin Service > Stop. Close window.
- Run the Foxit PDF Secure RMS Protector Setup program to install the protector on the server.



- After installing

  For Exchange2010

  restart IIS, MSExchangeTransport, msftesql-Exchange:

  1. Click Start > Run > type “cmd” in the Open line> click OK, and execute the following commands:

  net stop MSExchangeTransport

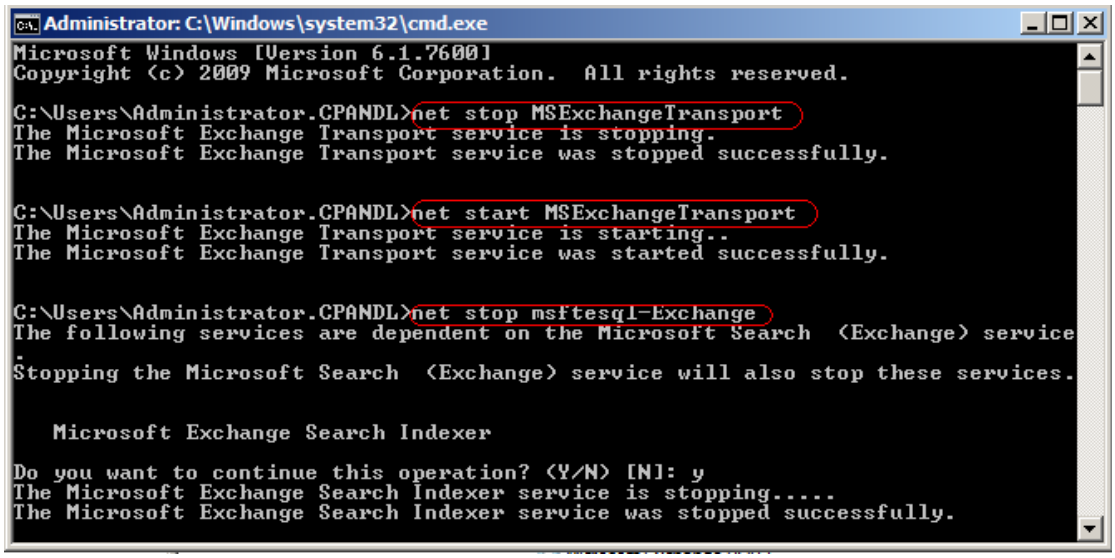
  net start MSExchangeTransport

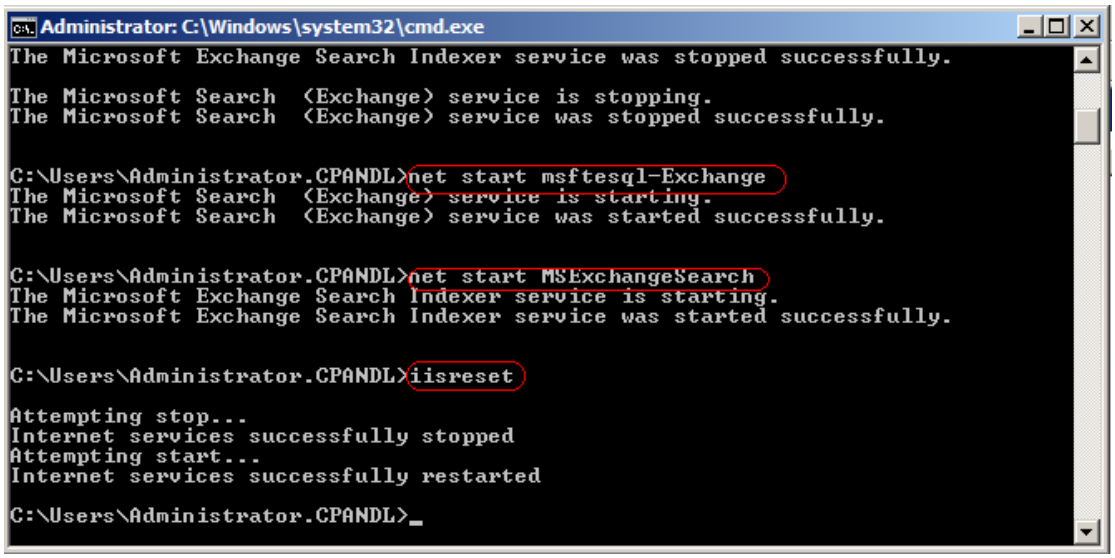
  net stop msftesql-Exchange

  net start msftesql-Exchange

  net start MSExchangeSearch

  iisreset



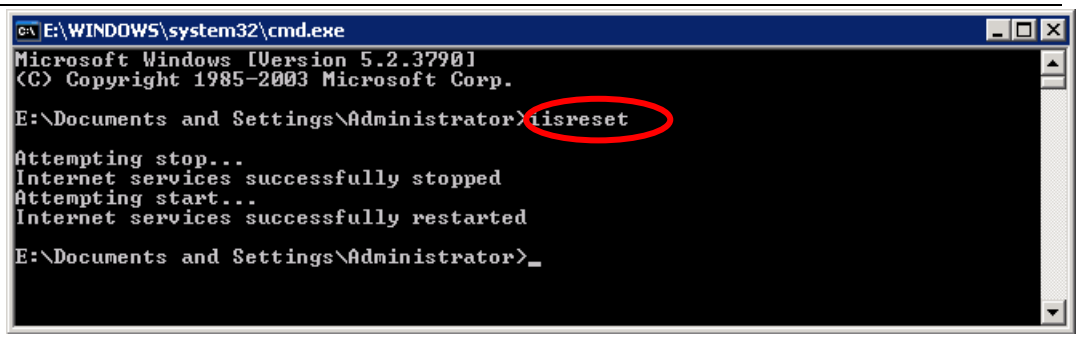


2. Close the windows.

For Exchange2013 and 2016

Restart IIS, MSExchangeTransport, MSExchangeFastSearch:

1. Restart MSExchangeTransport: Start > Settings > Control Panel > Administrator Tools > Services > MSExchangeTransport > Restart.
2. Restart MSExchangeFastSearch: Start > Settings > Control Panel > Administrator Tools > Services >MSExchangeFastSearch > Restart. Then Close the window
3. Restart IIS: Click Start > Run > type “cmd” in the Open dialog box> click OK > type “iisreset” at the command prompt > Press Enter.



4. Close the windows.

Uninstalling Foxit PDF Secure RMS Protector

To uninstall, please select one of the followings:

- Open the Start Menu > Control Panel->Programs->Programs and Features, and then click the "Foxit PDF Secure RMS Protector" record and then click the "Uninstall" button to uninstall it.
- Open the Start Menu > Programs > "Foxit PDF Secure RMS Protector" > Uninstall.

Or you can double-click the PDFProtector.msi setup file that you have used to install Foxit PDF Secure RMS Protector, and then do the followings:

- In the Foxit PDF Secure RMS Protector dialog box, select Remove Foxit PDF Secure RMS Protector

- Click Next button to uninstall it completely.

- **For Exchange2010**

  Restart IIS, MSExchangeTransport, msftesql-Exchange:

  1. Click Start > Run > type “cmd” in the Open line> click OK, and execute the following commands:

  net stop MSExchangeTransport

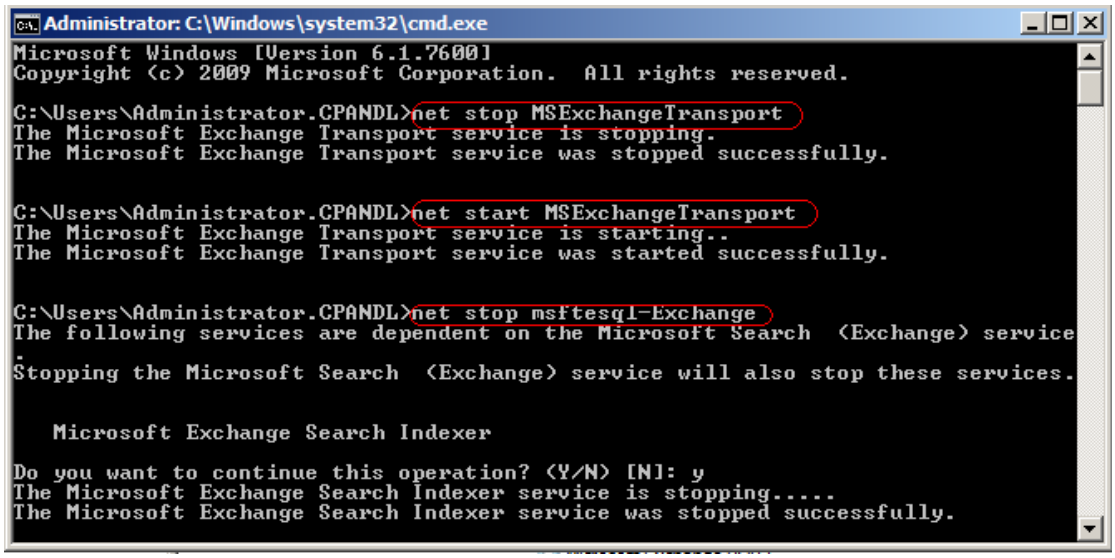
  net start MSExchangeTransport

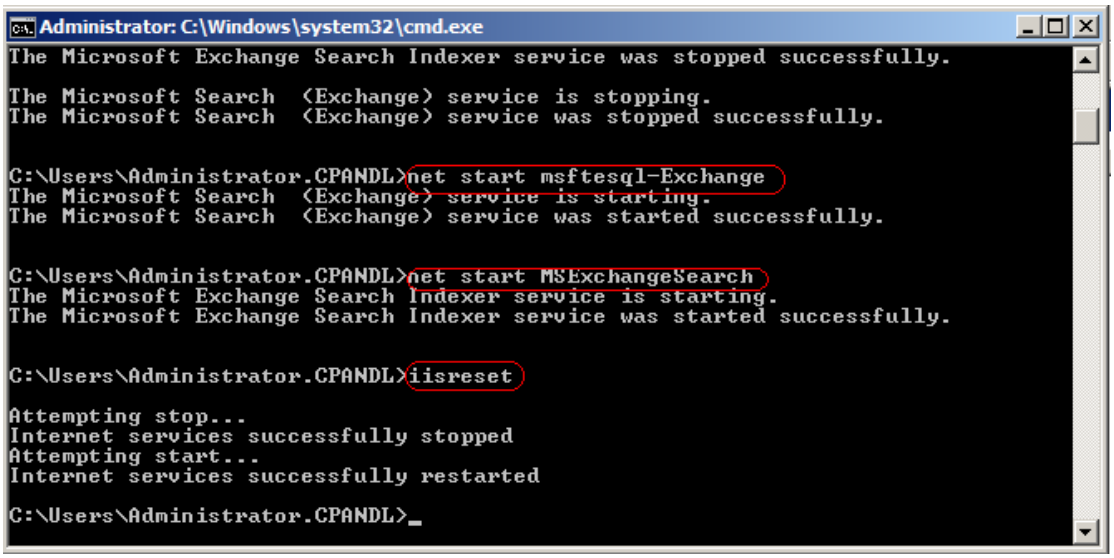
  net stop msftesql-Exchange

  net start msftesql-Exchange

  net start MSExchangeSearch

  iisreset



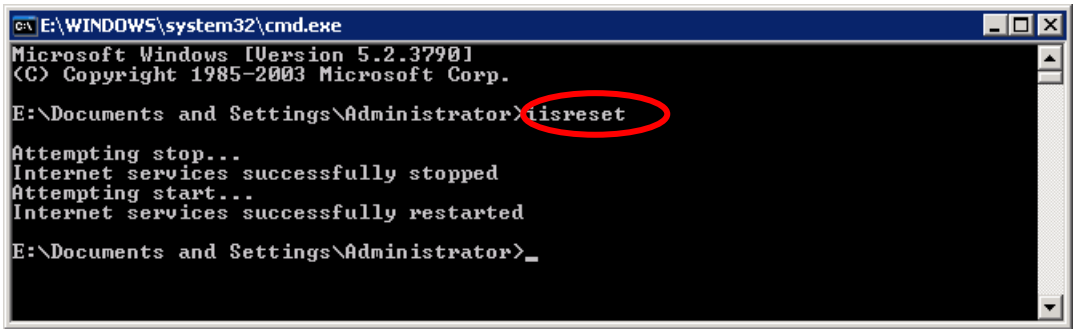


2. Close the windows.

- **For Exchange2013 and 2016**

  Restart IIS, MSExchangeTransport, MSExchangeFastSearch:

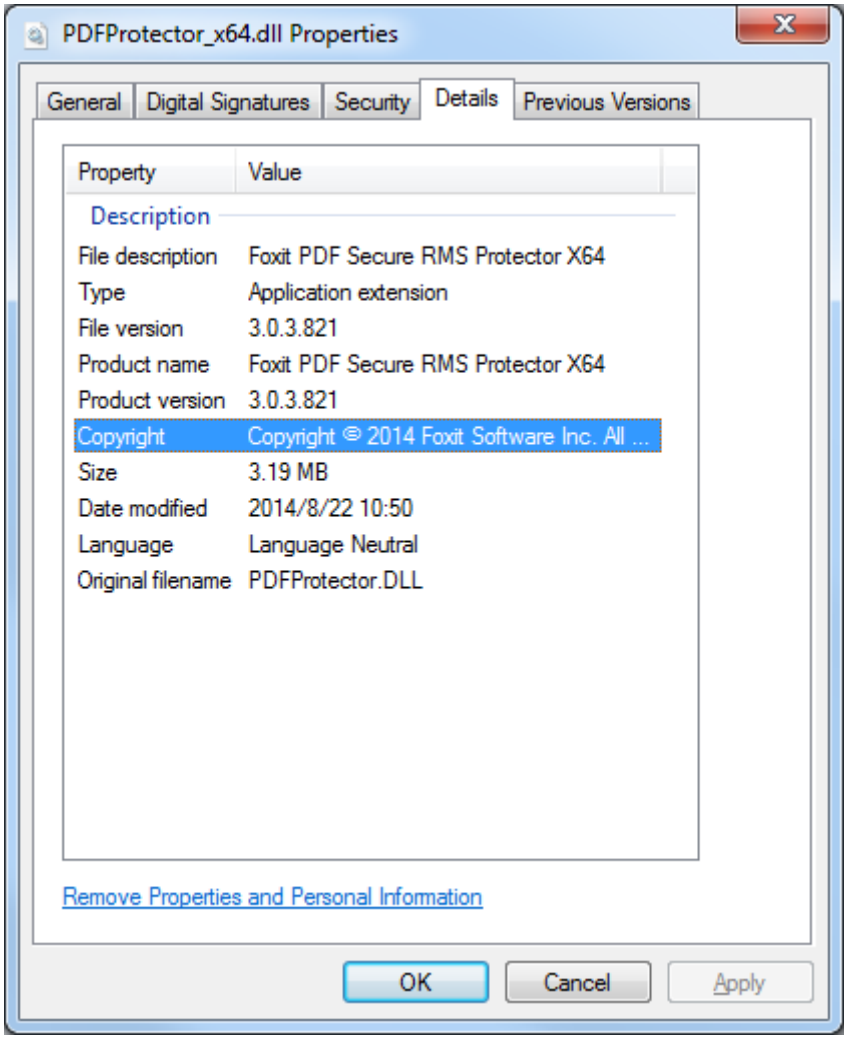
  1. Restart MSExchangeTransport: Start > Settings > Control Panel > Administrator Tools > Services > MSExchangeTransport > Restart.
  2. Restart MSExchangeFastSearch: Start > Settings > Control Panel > Administrator Tools > Services >MSExchangeFastSearch > Restart. Then Close the window
  3. Restart IIS: Click Start > Run > type “cmd” in the Open dialog box> click OK > type “iisreset” at the command prompt > Press Enter.



4. Close the window.

Check the version of Foxit PDF Secure RMS Protector

- Please navigate to the folder where Foxit PDF Secure RMS Protector installed. Right-click PDFProtector.dll > choose Properties > click the Details tab, then you can examine the version information of Foxit PDF Secure RMS Protector ,as shown:



Editing Wrapper Content

If you open a PDF which is encrypted by Foxit RMS Protector with other PDF programs, a wrapper (which is actually a PDF page) will prompt you to download Foxit PhantomPDF/Reader to open the PDF. If you want to edit the wrapper content, please save the updated content as a PDF file named as "wrapperPDF" and place it within the RMS Protector's installation directory.

Configuring AD·RMS to Integrate with Exchange Server in a Single Forest

Note: If you have configured AD·RMS when you were installing Exchange, please skip this operation.

To register a service connection point

1. Log on ADRMS server as CPANDL\ADRMSADMIN in the cluster on which you want to register an SCP.
2. Open the Active Directory Rights Management Services console.
3. Right-click the AD·RMS cluster, and then click **Properties.**
4. Click the **SCP** tab.
5. Select the **Change SCP** check box.
6. Click the **Set the SCP to current certification cluster** option, and then click **OK**.
7. Click **Yes** to confirm.

To give Exchange servers permissions to access the server certification pipeline

1. Log on an ADRMS server as CPANDL\administrator in the AD·RMS cluster.
2. Click **Start**, and then click **Computer**.
3. Navigate to %systemdrive%\Inetpub\wwwroot_wmcs\Certification.
4. Right-click **ServerCertification.asmx**, and then click **Properties**.
5. In the **ServerCertification.asmx Properties** dialog box, click the **Security** tab.
6. Click the **Continue** button or the **Edit** button.
7. In the **Permissions for ServerCertification.asmx** dialog box, click **Add**.
8. In the **Select User, Computer, Service Account, or Group** dialog box, click **Object Types**, and select the **Computers** check box, then click **OK**.
9. Type **Exchange Servers** to add the Exchange Servers group, or type the names of the Exchange servers that you want to add, separated by semicolons.
10. Click **Check Names**, and then click **OK.**
11. Under **Allow**, make sure that the **Read & execute** and the **Read** check boxes are selected.

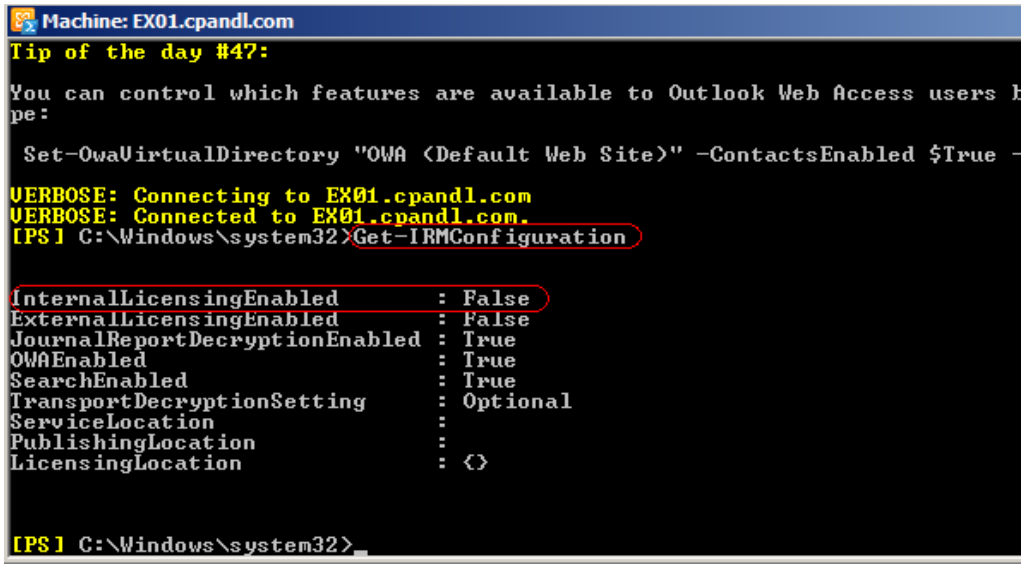
12. Click **OK**.
13. If the AD·RMS Service Group does not appear in the **Group or user names** list, repeat the steps 6–11 to add it.
14. Click **OK** to close all dialog boxes.
15. Repeat the steps 1–14 on all other servers in the AD·RMS cluster.

To set up the Exchange Server super users group

1. Log on AD·RMS server as CPANDL\ADRMSADMIN, and open the Active Directory Rights Management Services console and expand the AD RMS cluster.
2. In the console tree, expand **Security Policies**, and then click **Super Users**.
3. In the **Actions** pane, click **Enable Super Users**.
4. In the results pane, click **Change Super User Group** to open the **Super Users** properties sheet.
5. In the **Super user group** box, type the e-mail address of the designated super users group, or click **Browse** to navigate through the defined users and groups in the directory.(Such as SuperRMSAdmin@cpandl.com)
6. Click **OK**.

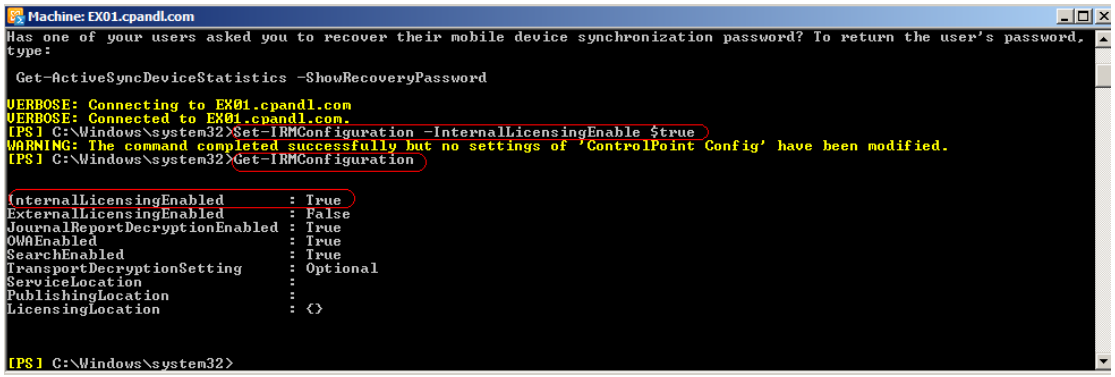
To set InternalLicensingEnable true by ExchangeManagement Shell

1. Log on as **CPANDL\Administrator** to **Microsoft Exchange Server**
2. Navigate to Start->All Programs->Microsoft Exchange Server ->Exchange Management Shell
3. Type "Get-IRMConfiguration"



4. Type " Set-IRMConfiguration -InternalLicensingEnable $true" to enable licensing.

5. Type " Get-IRMConfiguration " again ,to check InternalLicensingEnalbe is true.

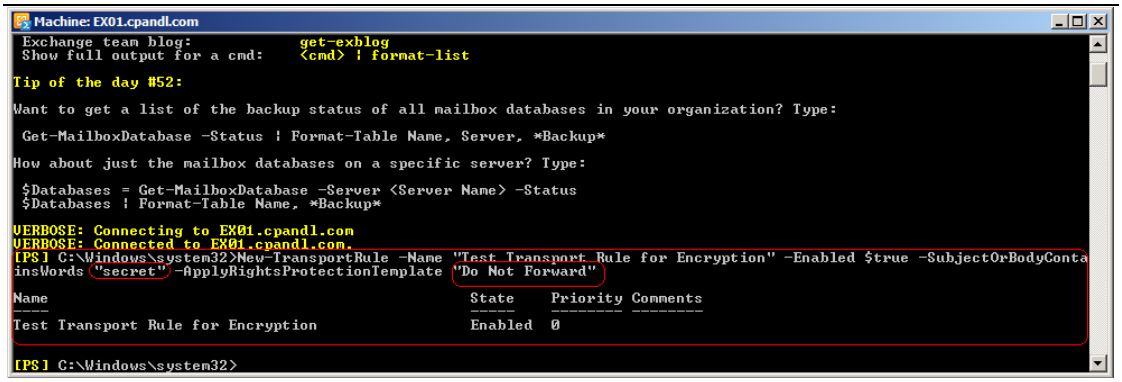


Working with Foxit PDF Secure RMS Protector

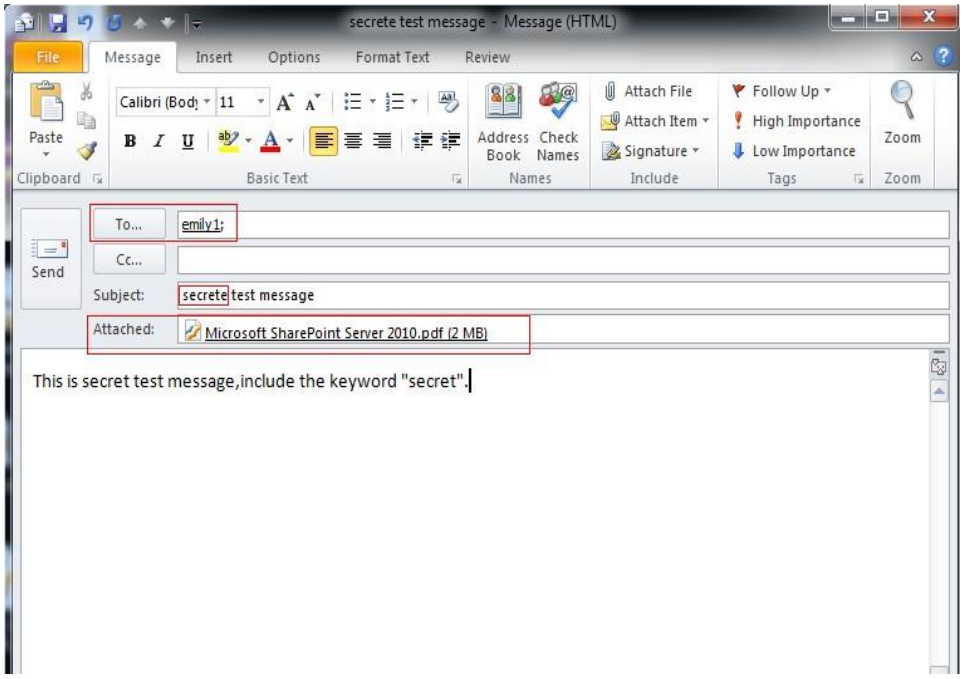
For Exchange 2010

1. Log on as CPANDL\Administrator to EX01
2. Open the Exchange Management Shell.
3. Enter the following task and parameters:

New-TransportRule -Name “Test Transport Rule for Encryption” -Enabled $true -SubjectOrBodyContainsWords “secret” -ApplyRightsProtectionTemplate “Do Not Forward”



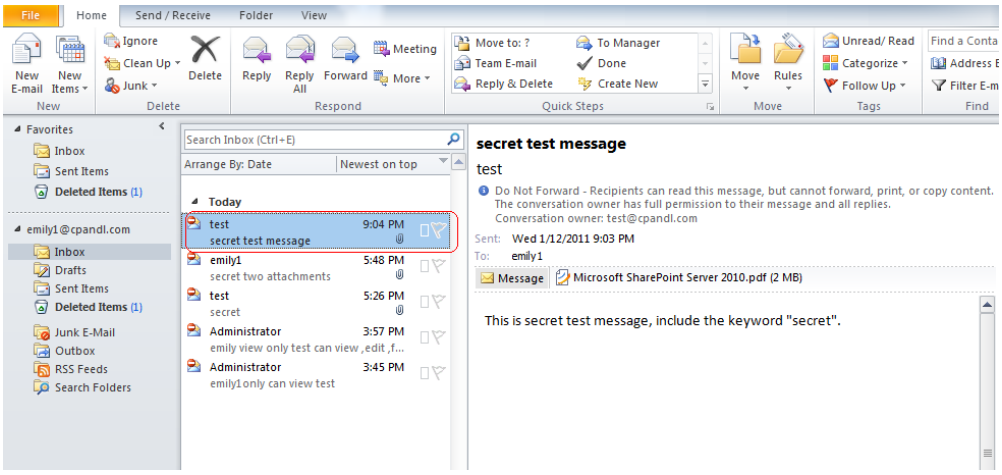
4. Log on as CPANDL\test to **Client,** and open **Microsoft Outlook 2010**, new an Email (for example, send an e-mail to emily1@cpandl.com). The Email includes the PDF attachment.



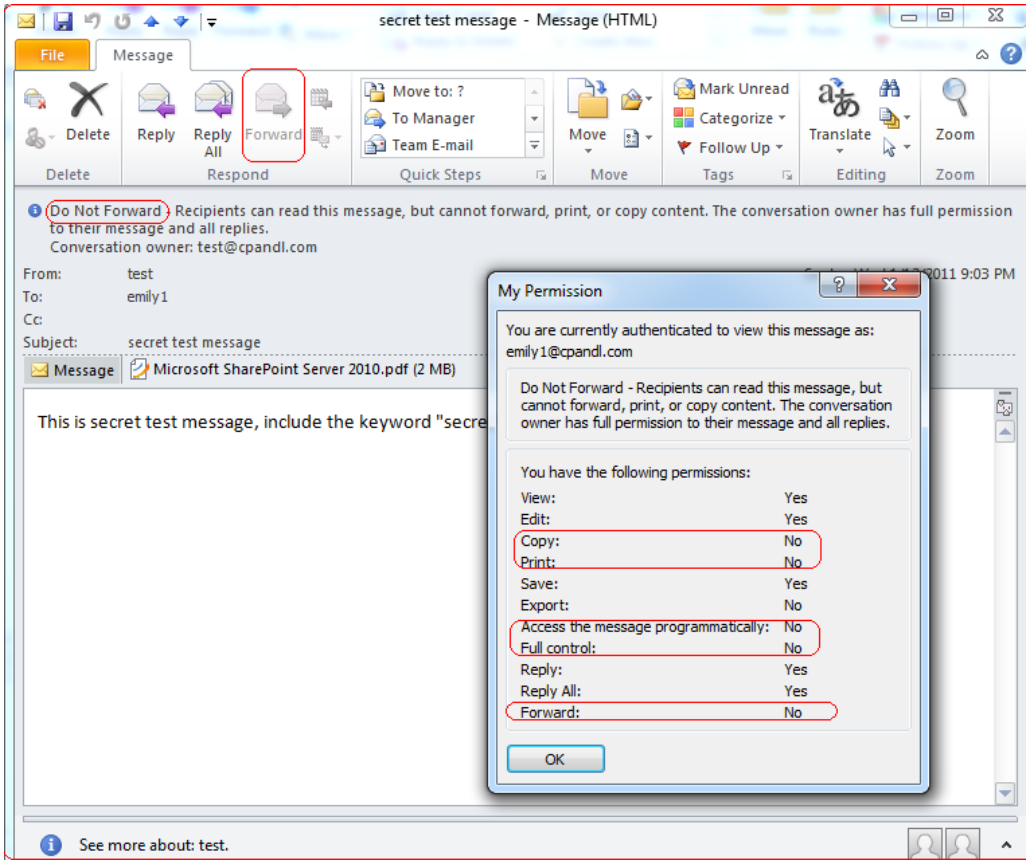
And then click **Send.**

5. Log off and log on as **CPANDL\emily1** to the Client

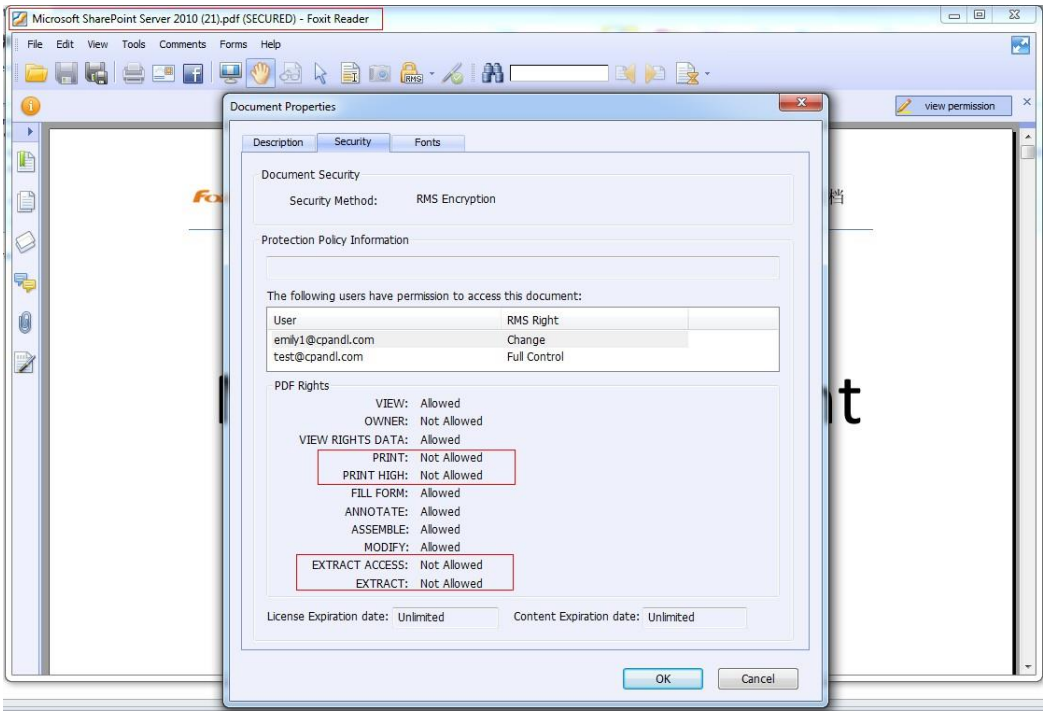
6. Open **Microsoft Outlook 2010.** In the inbox, we can see the email which has been tested to send.



7. Double click the email. We can see the email did not get forwarded. View the permission, and the detail permission is displayed as shown below-----My Permission.



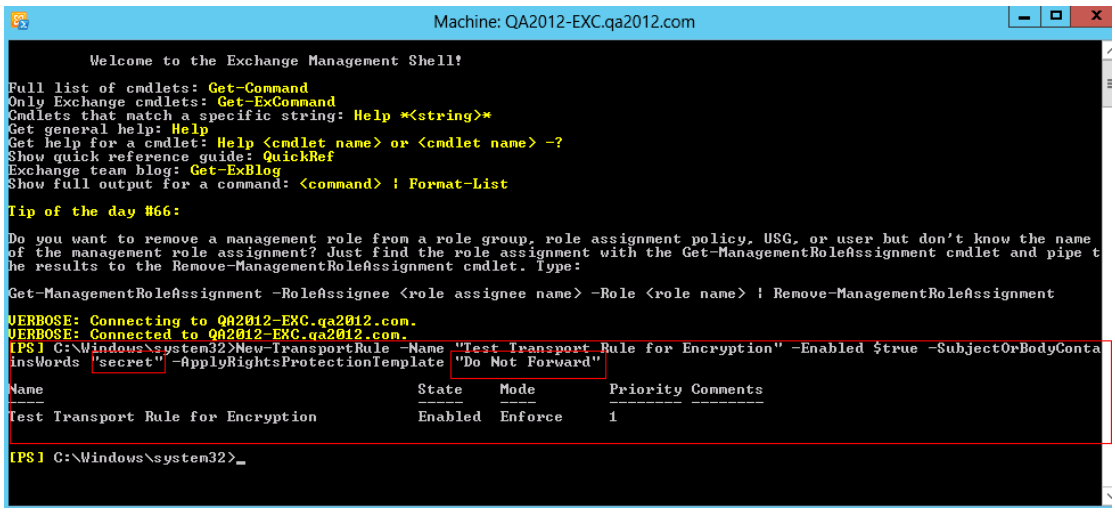
8. Double click the PDF attachment to open it. We can see the permission shown below: not allowed to be printed, copied, or accessed.



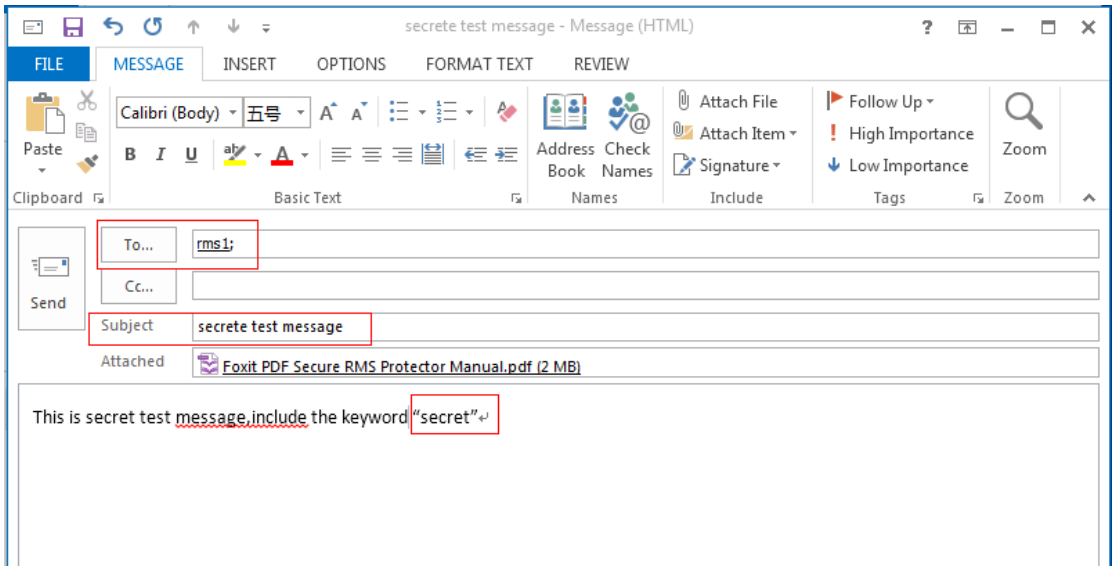
For Exchange 2013 and 2016

1. Log on as QA2012\Administrator to QA2012-EXC
2. Open the Exchange Management Shell.
3. Enter the following task and parameters:

New-TransportRule -Name “Test Transport Rule for Encryption” -Enabled $true -SubjectOrBodyContainsWords “secret” -ApplyRightsProtectionTemplate “Do Not Forward”

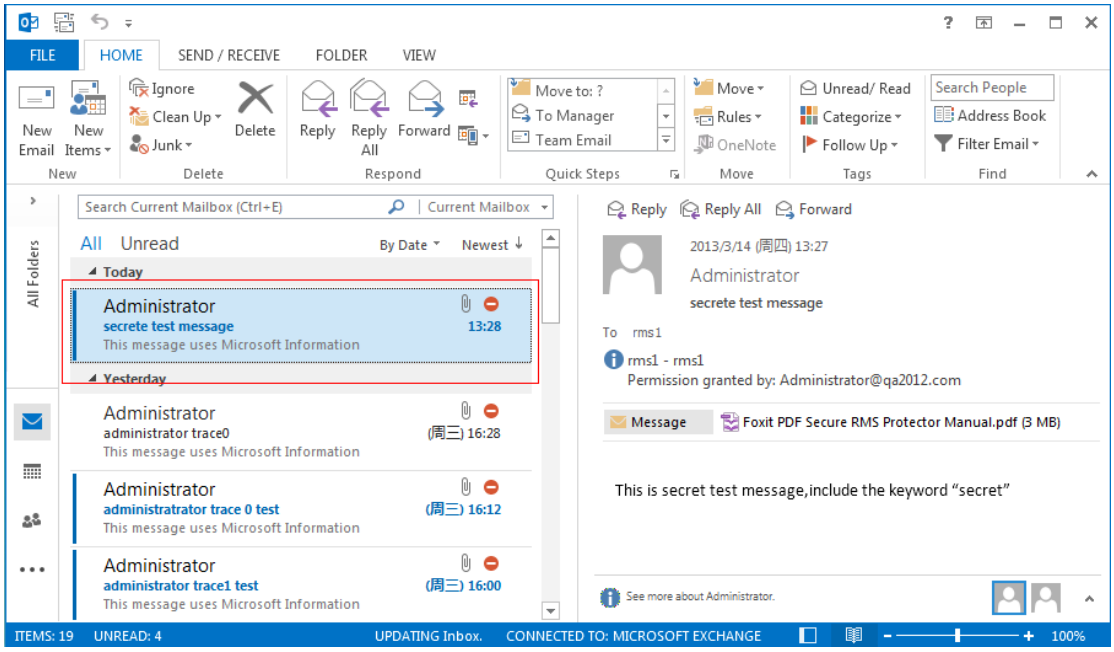


4. Log on as QA2012\Administrator to **Client,** and open **Microsoft Outlook 2013** (or **Microsoft Outlook 2016**), new an Email (for example, send an e-mail to rms1@qa2012.com). The Email includes the PDF attachment.

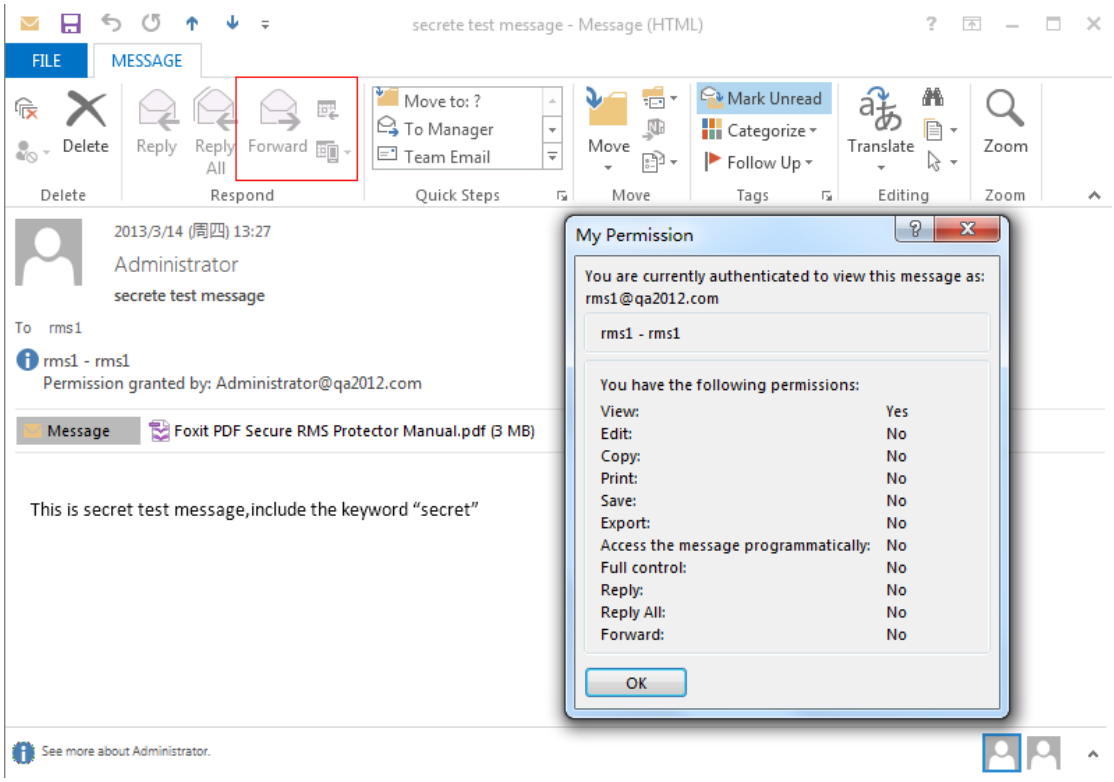


And then click **Send.**

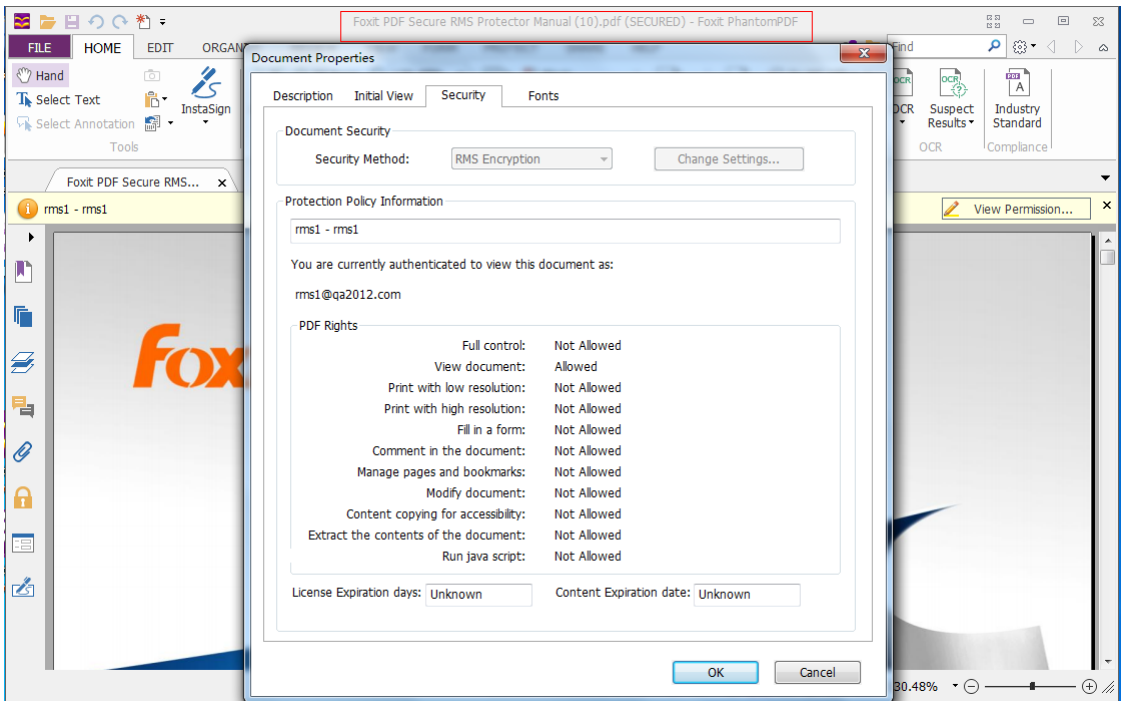
5. Log off and log on as **QA2012\rms1** to the Client
6. Open **Microsoft Outlook 2013** (or **Microsoft Outlook 2016).** In the inbox, we can see the email which has been tested to send.



7. Double click the email. We can see the email did not get forwarded. View the permission, and the detail permission is displayed as shown below-----My Permission.



8. Double click the PDF attachment to open it. We can see the permission shown below: not allowed to be printed, copied, or accessed.


Foxit PDF Secure RMS Protector Manual (10).pdf (SECURED) - Foxit PhantomPDF
FILE
HOME
EDIT
Hand
Select Text
Select Annotation
InstaSign
Tools
Suspect Results
Industry Standard
OCR
Compliance
Foxit PDF Secure RMS...
rms1 - rms1
View Permission...
Document Properties
Description
Initial View
Security
Fonts
Document Security
Security Method:
RMS Encryption
Change Settings...
Protection Policy Information
rms1 - rms1
You are currently authenticated to view this document as:
rms1@qa2012.com
PDF Rights
Full control: Not Allowed
View document: Allowed
Print with low resolution: Not Allowed
Print with high resolution: Not Allowed
Fill in a form: Not Allowed
Comment in the document: Not Allowed
Manage pages and bookmarks: Not Allowed
Modify document: Not Allowed
Content copying for accessibility: Not Allowed
Extract the contents of the document: Not Allowed
Run java script: Not Allowed
License Expiration days: Unknown
Content Expiration date: Unknown
OK
Cancel
30.48%

Chapter 4 - Watermark Configuration Tool

Watermark configuration tool allows you add, edit, delete, import, and export security watermark to the files protected by RMS technology to improve the security and protect copyright of the author. This chapter will introduce the steps of using the tool.

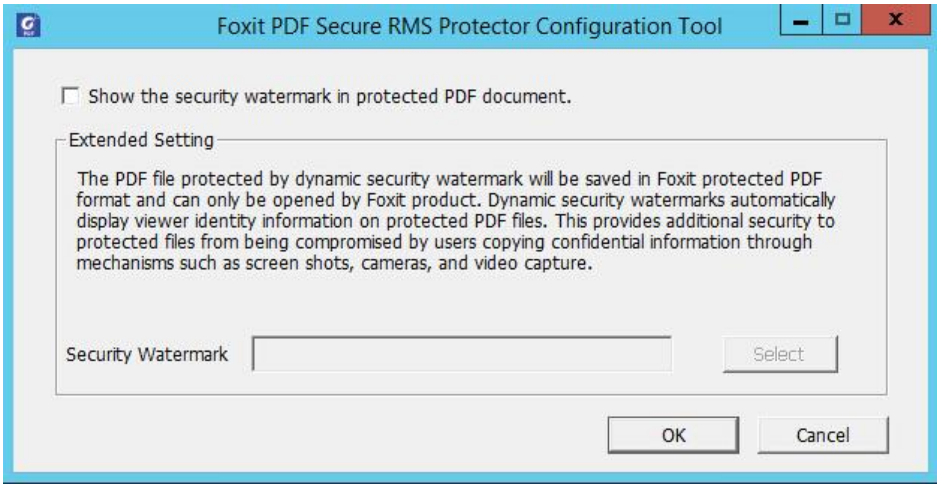
The watermark configuration tool will pop up after finishing the installation or you can double-click the icon on desktop to open it.

Creating Profile

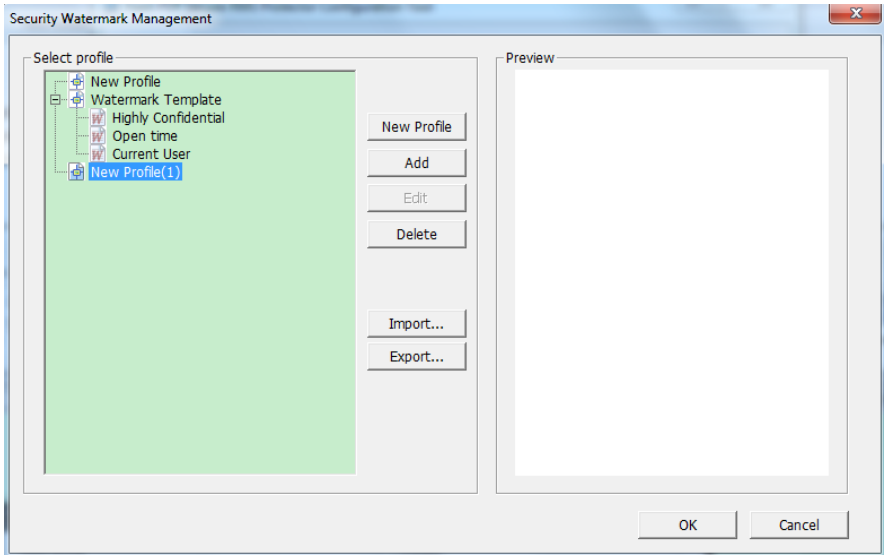
Before adding a watermark, you should create a profile first. The application will apply all of the watermarks in the profile to a PDF.

Note: you can only choose a profile but not a certain watermark to use. Please create the watermarks you want to add to one PDF in the same profile.

- Open the watermark configuration tool and check the option "Show the security watermark in protected PDF document."



- Click **Select** to open the Security Watermark Management.
- Click **New Profile** to create a profile and name it.



Note: Users can use the dynamic security watermark feature to better protect PDF files from unauthorized duplication. The PDF file protected by dynamic security watermark will be saved in Foxit protected PDF format and can only be opened by Foxit products.

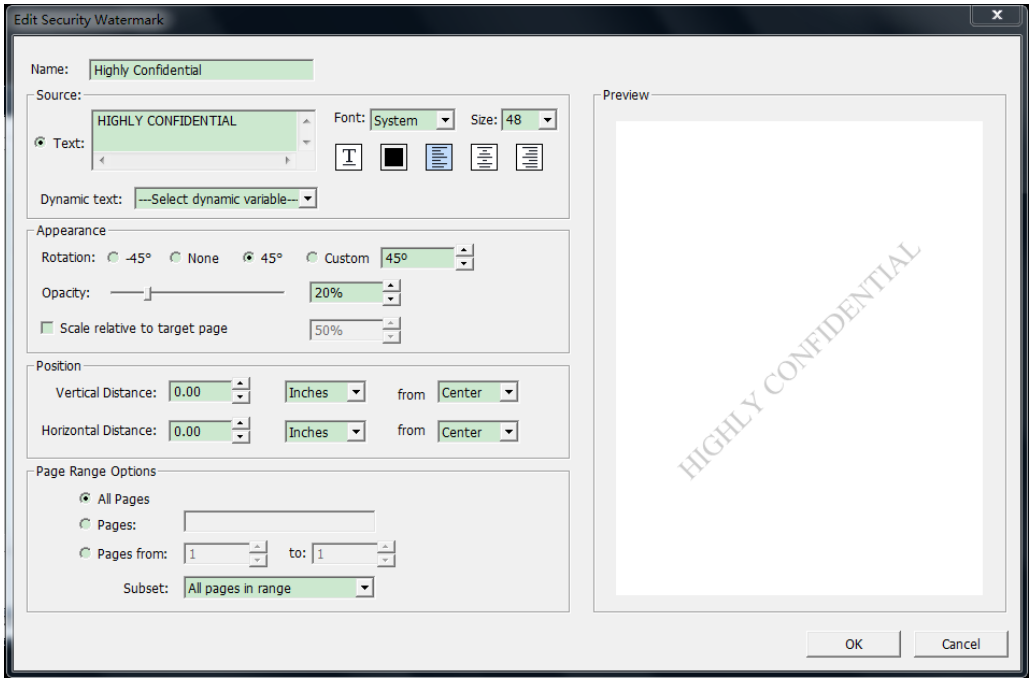
Adding Watermark

To add a new watermark, please do the following:

- Open the Security Watermark Management, select a profile you created and click **Add** to add watermarks to the profile.
- Name the watermark in the Name field.
- Type the watermark's content in the text box and set the font, size, color, underline, and alignment.
  Note: you can only set text as watermark.
- In the Dynamic text, you can select the option as needed to show the dynamic security watermark.
  Select dynamic variable: show the current document information dynamically and multiple text are available at the same time.
  Content ID: shows the content ID of the current document.
  Document Title: show the current document title.
  Author: show the author of the current document.
  Current User: show the current user who is reading the document.
  Date: show the current system date when opening the document.
  Day: show the current system day when opening the document.
  Month: show the current system month when opening the document.
  Year: show the current system year when opening the document.
  Time: show the current system time when opening the document.
  Hour: show the current system hours when opening the document.

Minute: show the current system minutes when opening the document.
Second: show the current system seconds when opening the document.

- Set the appearance by choosing the rotation degree and the opacity. You also have the option to select the scale relative to the target page.
- Set the vertical and horizontal distance between the target page and the watermark.
- Choose the page range to display the watermark. You can choose to display the watermark for all pages in rage, even pages only or odd pages only in the subset list.
- Preview the watermark in the right pane.
- Click **OK** to finish it.



Editing or Deleting Watermark

Editing a Watermark

- Open the Security Watermark Management and select a watermark you want to edit.
- Click **Edit** to open the Edit Security Watermark dialog box.
- Start to edit the watermark, please refer to "Adding Watermark".
- Click **OK** to finish the operation.

Deleting a Watermark

- Open the Security Watermark Management and select a watermark you want to delete.
- Click **Delete** to remove the selected watermark.

Importing or Exporting Watermark

Importing a Watermark

- Open the Security Watermark Management and click **Import**.
- Choose a watermark with .xml format.
- Click Open.

Exporting a Watermark

- Open the Security Watermark Management and select a watermark you want to export.
- Click **Export** and choose a file type and location to save.
- The watermark will be exported as an .xml file or encoded file according to your choice. It can be integrated into AD RMS policy template and applied to the PDF files by Foxit Phantom PDF.

  Note:

  1. If you want to integrate the watermark to a common policy template, please export it as an .xml file and add it to the template by Phantom PDF directly.

  2. If you want to integrate the watermark to an official policy template, please export it as an encoded file (.txt format) and integrate it into the template by AD RMS Scripting API Architecture. Then you can import the template and apply it to PDFs by PhantomPDF. (Please click here to see the example and use the value of "appData.Name" and "appData.Value" in the exported encoded file.)

Chapter 5 - FAQ

1. **In the SharePoint environment, do we need to perform iisreset after installing the Foxit PDF Protector?**

   Yes. Foxit PDF Protector will not work immediately when it is installed. Please perform **iisreset** to ensure that the SharePoint server invokes Foxit PDF Protector.

2. **Why is the PDF downloaded from the SharePoint Document Library still unprotected after installing the Foxit PDF Protector?**

   First, check that the IRM protection rules have been configured in the **SharePoint Document Library**. For example, ([Library Name]->Setting->Information Rights Management Settings->Restrict permission to documents in this library on downloads).
   Then, clear your browser's Temporary Internet Files. For example, (IE8: Internet Options->General->Delete->check Temporary Internet files->click delete).

3. **Why doesn't the Foxit PDF Protector work after being used for some period of time?**

   Because that you can only use the Free Trial version for 30 days. If you want to continue using the Foxit PDF Protector, please contact us by sending an email to sales@foxitsoftware.com to get the formal product license.

4. **I got the authorized license file. How can I use it?**

   Please copy the license file to the same folder where you installed Foxit PDF Protector.
   Note: Please ensure that all the users in the domain have the basic permission to "Read" and "Read & Execute", or the license file may not work.

Contact Us

Feel free to contact us should you need any information or have any problems with our products. We are always here, ready to serve you better.

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  Foxit Software Incorporated
  39355 California Street
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  Fremont, CA 94538
  USA
- ***Sales:***
  1-866-680-3668
- ***Support & General:***
  Support Center
  1-866-MYFOXIT, 1-866-693-6948
- ***Website:***
  www.foxit.com
- ***E-mail:***
  Marketing - marketing@foxit.com