PCC 9.1 for SharePoint 2013 Manual
# Prizm Content Connect 9.1 for SharePoint 2013

## Table of Contents

1. **Prizm Content Connect (PCC) for SharePoint 2013**
   - Prizm Content Connect (PCC) for SharePoint 2013 .......................................................... 5
     - Attributions, Notices & Copyrights.................................................................................. 5
       - Third-Party Notices – Windows Server ........................................................................... 5
       - Third-Party Notices – Linux Server .................................................................................. 11
       - Third-Party Notices – Deprecated Client Viewers .......................................................... 17
       - Third-Party Notices – Current (v9.x) Client Viewer....................................................... 19
       - Third-Party Notices – Other ............................................................................................ 20
     - Software License Agreement........................................................................................... 21
2. **Introduction**.................................................................................................................... 36
   - About PCC for SharePoint 2013......................................................................................... 36
     - Feature Overview............................................................................................................. 37
   - What’s New in PCC for SharePoint 9.1.............................................................................. 37
     - HTML5 Viewer Updates.................................................................................................... 37
     - Annotating Document Versions..................................................................................... 38
     - Redactions....................................................................................................................... 38
     - Conversions to PDF......................................................................................................... 38
     - DRM Enforcement........................................................................................................... 38
     - Using SharePoint Designer with DRM........................................................................... 38
     - Using Windows Explorer View with DRM..................................................................... 38
     - Revamped Configuration Pages....................................................................................... 38
     - Microsoft Office Improvements...................................................................................... 39
     - PDF Improvements......................................................................................................... 39
     - Enterprise Class Architecture with PCCIS..................................................................... 39
     - Improved Multi-Server Support...................................................................................... 40
3. **Features, Components & Architecture**.......................................................................... 43
   - Feature Overview.............................................................................................................. 43
   - Product Architecture Overview....................................................................................... 44
   - Document Viewing Overview............................................................................................ 45
     - Integrating Document Viewing...................................................................................... 46

©2015. Accusoft Corporation. All Rights Reserved.
3.3.2 Web Tier ...........................................................................................................48
3.3.3 Tempcache ........................................................................................................49
3.3.4 Prizm Content Connect Services ....................................................................49
3.3.5 Architecture Diagram ......................................................................................49
3.4 Digital Rights Management Overview ................................................................50
3.4.1 The Redirector ..................................................................................................50
3.5 Configuration Overview ......................................................................................52
3.5.1 Configuration of End User Permissions ............................................................52
3.5.2 What are the Configurable Permissions? ............................................................53
3.5.3 Digital Rights Management Permissions ..........................................................53
3.5.4 Annotation Permissions ...................................................................................53
3.5.5 How are Permissions Configured? ....................................................................53
3.5.6 Configuration of Global Settings ......................................................................54
4 Upgrading from Previous Versions .......................................................................55
5 Installation Guide ...................................................................................................56
5.1 System Requirements ..........................................................................................56
5.1.1 PCC for SharePoint Integration .......................................................................56
5.2 Required Permissions .........................................................................................57
5.2.1 Installing using PowerShell .............................................................................57
5.2.2 Configuring Global Settings ............................................................................57
5.2.3 Activate Prizm Digital Rights Management Feature .........................................57
5.2.4 Activate Prizm Configuration Tools Feature ....................................................57
5.2.5 Control DRM and Annotation Permissions .......................................................57
5.3 Step 1 - Planning Your Install ............................................................................58
5.3.1 Your Target Server Topology ...........................................................................58
5.3.2 Method of Deploying SharePoint Solutions ......................................................60
5.3.3 Choosing Viewing & Rights Management Behavior .........................................61
5.4 Step 2 - Installing PCC .......................................................................................64
5.4.1 Evaluation Licensing .......................................................................................64
5.4.2 One Time Only Configuration for PCC in a Multi-Server Farm .......................64
5.5 Step 3 - Installing PCC for SharePoint ...............................................................66
5.5.1 Single-Server Install Guide ..............................................................................66
## Prizm Content Connect 9.1 for SharePoint 2013

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Section</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.5.2</td>
<td>Multi-Server Install Guide</td>
<td>68</td>
</tr>
<tr>
<td>5.5.3</td>
<td>Configure the PCC for SharePoint Integration with the Location of Prizm Content Connect</td>
<td>71</td>
</tr>
<tr>
<td>5.5.4</td>
<td>Next Steps</td>
<td>73</td>
</tr>
<tr>
<td>6</td>
<td>Administration Guide</td>
<td>74</td>
</tr>
<tr>
<td>6.1</td>
<td>Viewer Functionality</td>
<td>74</td>
</tr>
<tr>
<td>6.1.1</td>
<td>Redirecting Links to the Document</td>
<td>74</td>
</tr>
<tr>
<td>6.1.2</td>
<td>Configuring the Previewer</td>
<td>74</td>
</tr>
<tr>
<td>6.1.3</td>
<td>The Viewer Option</td>
<td>75</td>
</tr>
<tr>
<td>6.1.4</td>
<td>Document Annotations and Redactions</td>
<td>75</td>
</tr>
<tr>
<td>6.1.5</td>
<td>Version History</td>
<td>78</td>
</tr>
<tr>
<td>6.1.6</td>
<td>Convert to PDF</td>
<td>79</td>
</tr>
<tr>
<td>6.2</td>
<td>DRM Configuration Guide</td>
<td>80</td>
</tr>
<tr>
<td>6.2.1</td>
<td>Low-Trust &amp; High-Trust User Groups</td>
<td>80</td>
</tr>
<tr>
<td>6.2.2</td>
<td>SharePoint Features Affected by DRM</td>
<td>81</td>
</tr>
<tr>
<td>6.2.3</td>
<td>DRM Configuration Walkthrough</td>
<td>82</td>
</tr>
<tr>
<td>6.3</td>
<td>Enabling Prizm Configuration Tools for a Site Collection</td>
<td>92</td>
</tr>
<tr>
<td>6.4</td>
<td>Configuring Annotations Permissions</td>
<td>92</td>
</tr>
<tr>
<td>6.4.1</td>
<td>Configuring Annotations for a Site</td>
<td>92</td>
</tr>
<tr>
<td>6.4.2</td>
<td>Configuring Annotations for a Document Library</td>
<td>94</td>
</tr>
<tr>
<td>6.5</td>
<td>Prizm Services Management</td>
<td>95</td>
</tr>
<tr>
<td>6.5.1</td>
<td>Configuring Prizm Global Configuration</td>
<td>95</td>
</tr>
<tr>
<td>6.5.2</td>
<td>Implementing Tempcache Cleanup</td>
<td>98</td>
</tr>
<tr>
<td>6.6</td>
<td>Troubleshooting Tips</td>
<td>99</td>
</tr>
<tr>
<td>6.6.1</td>
<td>Verifying Your Installation</td>
<td>99</td>
</tr>
<tr>
<td>6.6.2</td>
<td>FAQs</td>
<td>100</td>
</tr>
</tbody>
</table>
1 Prizm Content Connect (PCC) for SharePoint 2013

This section contains the following information:

- Attributions, Notices & Copyrights
- Software License Agreement

1.1 Attributions, Notices & Copyrights

1.1.1 Third-Party Notices – Windows Server

The following third-party software may be used or distributed in the Windows Server component of the Program:

Copyright © 2002-2010 The Apache Software Foundation
Download: [http://pdfbox.apache.org/download.html](http://pdfbox.apache.org/download.html)
License: [http://www.apache.org/licenses/LICENSE-2.0](http://www.apache.org/licenses/LICENSE-2.0)

Apache FontBox ([http://pdfbox.apache.org/](http://pdfbox.apache.org/))
Copyright © 2008-2010 The Apache Software Foundation
Download: [http://pdfbox.apache.org/download.html](http://pdfbox.apache.org/download.html)
License: [http://www.apache.org/licenses/LICENSE-2.0](http://www.apache.org/licenses/LICENSE-2.0)

Apache JempBox ([http://pdfbox.apache.org/](http://pdfbox.apache.org/))
Copyright © 2008-2010 The Apache Software Foundation
Download: [http://pdfbox.apache.org/download.html](http://pdfbox.apache.org/download.html)
License: [http://www.apache.org/licenses/LICENSE-2.0](http://www.apache.org/licenses/LICENSE-2.0)

Copyright © 2001-2007 The Apache Software Foundation
License: [http://www.apache.org/licenses/LICENSE-2.0](http://www.apache.org/licenses/LICENSE-2.0)

Apache Commons FileUpload ([http://commons.apache.org/fileupload/](http://commons.apache.org/fileupload/))
Copyright © 2002-2008 The Apache Software Foundation
Download: [http://commons.apache.org/fileupload/download_fileupload.cgi](http://commons.apache.org/fileupload/download_fileupload.cgi)
License: [http://www.apache.org/licenses/LICENSE-2.0](http://www.apache.org/licenses/LICENSE-2.0)
Apache Commons IO (<http://commons.apache.org/io/>)
Copyright © 2001-2008 The Apache Software Foundation
Download: <http://commons.apache.org/io/download_io.cgi>
License: <http://www.apache.org/licenses/LICENSE-2.0>

Apache Commons Lang (<http://commons.apache.org/lang/>)
Copyright © 2001-2010 The Apache Software Foundation
Download: <http://commons.apache.org/lang/download_lang.cgi>
License: <http://www.apache.org/licenses/LICENSE-2.0>

Apache Commons Logging (<http://commons.apache.org/logging/>)
Copyright © 2003-2007 The Apache Software Foundation
Download: <http://commons.apache.org/logging/download_logging.cgi>
License: <http://www.apache.org/licenses/LICENSE-2.0>

Apache JAMES Mime4j (<http://james.apache.org/mime4j/>)
Copyright © 2004-2010 The Apache Software Foundation
Download: <http://james.apache.org/download.cgi>
License: <http://www.apache.org/licenses/LICENSE-2.0>

Apache Xerces (<http://xerces.apache.org/xerces-c/>)
Copyright © 1999-2010 The Apache Software Foundation
Download: <http://xerces.apache.org/xerces-c/download.cgi>
License: <http://www.apache.org/licenses/LICENSE-2.0.html>

Boost (<http://www.boost.org>)
Download: <http://sourceforge.net/projects/boost/files/boost/1.55.0/>
Version: 1.55.0
License: <install directory>\licenses\boost\LICENSE_1_0.txt

cairo (<http://cairographics.org>)
Copyright © 2002 University of Southern California
Copyright © 2005 Red Hat, Inc.
Download: <http://www.cairographics.org/releases/>
License (LGPL v2.1): <install directory>\licenses\cairo\COPYING-LGPL-2.1

dcraw.exe (<http://www.cybercom.net/~dcoffin/dcraw/>)
Copyright © 1997-2008 by Dave Coffin.
Source: <install directory>\src\dcraw\9.03\nDownload: <http://image_magick.veidrodis.com/image_magick/binaries/ImageMagick-6.6.5-3-Q16-windows-static.exe>
License (GPL v3): <install directory>\licenses\ImageMagick\Notice-1.txt
Implementation/Integration: This open source product has not been recompiled and a call to
binary file is directly made from the code, keeping the binaries totally separate from the Prizm Source Code.

expat (http://www.libexpat.org/)
Copyright © 1998, 1999, 2000 Thai Open Source Software Center Ltd and Clark Cooper
Download: http://expat.cvs.sourceforge.net/
License: <install directory>\licenses\expat\COPYING

ffmpeg (http://ffmpeg.org/)
Copyright © 2000, 2001, 2002 Fabrice Bellard
Source: <install directory>\src\ffmpeg\r20545\nDownload: http://image_magick.veidrodis.com/image_magick/binaries/ImageMagick-6.6.5-3-Q16-windows-static.exe
License (GPL v3): <install directory>\licenses\ImageMagick\Notice-1.txt
Implementation/Integration: This open source product has not been recompiled and a call to binary file is directly made from the code, keeping the binaries totally separate from the Prizm Source Code.

fontconfig (http://www.freedesktop.org/wiki/Software/fontconfig/)
Copyright © 2001,2003 Keith Packard
License: <install directory>\licenses\fontconfig\COPYING

freetype
Copyright © 2012 The FreeType Project (www.freetype.org). All rights reserved.
License: <install directory>\licenses\freetype\FTL.TXT

hp2xx.exe (http://www.gnu.org/s/hp2xx/)
Source: <install directory>\src\hp2xx\3.4.2\nDownload: http://image_magick.veidrodis.com/image_magick/binaries/ImageMagick-6.6.5-3-Q16-windows-static.exe
License (GPL v2): <install directory>\licenses\ImageMagick\hp2xx_gpl-2.0.txt
Implementation/Integration: This open source product has not been recompiled and a call to binary file is directly made from the code, keeping the binaries totally separate from the Prizm Source Code.

ICU4J
Copyright © 1995-2013 International Business Machines Corporation and others
Download: http://site.icu-project.org/download
License: <install directory>/licenses/ICU/license.htm
ImageMagick ([http://www.imagemagick.org](http://www.imagemagick.org))
Copyright © 1999-2010 ImageMagick Studio LLC.

Copyright © 2006 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, U.S.A. All rights reserved.
Download: [http://download.java.net/media/jai/builds/release/1_1_3/](http://download.java.net/media/jai/builds/release/1_1_3/)
License: [http://download.java.net/media/jai/builds/release/1_1_3/LICENSE-jai.txt](http://download.java.net/media/jai/builds/release/1_1_3/LICENSE-jai.txt)

Copyright © 2006 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, U.S.A. All rights reserved.
Download: [http://download.java.net/media/jai-imageio/builds/release/1.1/](http://download.java.net/media/jai-imageio/builds/release/1.1/)
License: [http://download.java.net/media/jai-imageio/builds/release/1.1/LICENSE-jai_imageio.txt](http://download.java.net/media/jai-imageio/builds/release/1.1/LICENSE-jai_imageio.txt)

JavaMail 1.4.3 ([http://www.oracle.com/technetwork/java/javamail/index.html](http://www.oracle.com/technetwork/java/javamail/index.html))
Copyright © 2009 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, U.S.A. All rights reserved.
License: [http://download.oracle.com/otn-pub/java/licenses/javamail-1.4.3-oth-JPR_license_1.html](http://download.oracle.com/otn-pub/java/licenses/javamail-1.4.3-oth-JPR_license_1.html)

JDOM
This product includes software developed by the JDOM Project ([http://www.jdom.org/](http://www.jdom.org/)).
Copyright © 2000-2004 Jason Hunter & Brett McLaughlin. All rights reserved.
License: <install directory>\licenses\jdom\LICENSE.txt
([http://www.jdom.org/docs/faq.html#a0030](http://www.jdom.org/docs/faq.html#a0030))

Copyright © 1997-2008, IDRsolutions and Contributors.
Download: [sourceforge.net/projects/jpedaljbig2imag/files/](http://sourceforge.net/projects/jpedaljbig2imag/files/)
License: BSD License (<install directory>/licenses/jbig2_1.4/license.txt)

JRE 1.6.0.35 ([http://java.sun.com/products/archive/j2se/6u35/index.html](http://java.sun.com/products/archive/j2se/6u35/index.html))
Copyright © 2006, 2010, Oracle and/or its affiliates. All rights reserved.
Prizm Content Connect 9.1 for SharePoint 2013

JTNEF (http://www.freeutils.net/source/jtnef/)
The JTNEF package used in this product is copyright (c) 2003-2010 by Amichai Rothman.
License: http://download.oracle.com/otn/pub/java/licenses/jaf-1.1-mrel-spec-oth-JPR_license_1.html

libjpeg
This software is copyright (C) 1991-1998, Thomas G. Lane.
License: <install directory>/licenses/libjpeg/license.txt

Libpng
Copyright © 1998-2011 Glenn Randers-Pehrson
License: <install directory>/licenses/libpng/LICENSE

LibreOffice Portable (http://PortableApps.com/LibreOfficePortable)
Publisher: The Document Foundation & PortableApps.com (John T. Haller)
License: LibreOffice is licensed under the GNU Lesser General Public License (LGPLv3).
Source PortableApps.com Launcher: http://portableapps.com/apps/development/portableapps.com_launcher
Source LibreOffice: http://download.documentfoundation.org/libreoffice/src/

libtiff
Copyright © 1988-1997 Sam Leffler
License: <install directory>/licenses/libtiff/COPYRIGHT

Ninject
Copyright © 2007-2012 Enkari, Ltd and the Ninject project contributors
Download: http://www.ninject.org/download.html
License: <install directory>/licenses/Ninject/LICENSE.txt (http://www.apache.org/licenses/LICENSE-2.0.html)

NLog
Copyright © 2004-2011 Jaroslaw Kowalski
Download: http://nlog-project.org/download/
License: <install directory>/licenses/NLog/LICENSE.txt
Node.js
Copyright © Joyent, Inc. and other Node contributors
Download: http://nodejs.org/dist/v0.10.26/
Version: 0.10.26
License: <install directory>/licenses/Node.js/LICENSE.txt

ODF Converter (http://odf-converter.sourceforge.net/)
Copyright © 2006-2008, Clever Age, DiALOGIKA, Sonata Software Ltd All rights reserved.
Download: http://sourceforge.net/projects/odf-converter/files/
License: http://odf-converter.sourceforge.net/#license

Poppler
Copyright © 2005-2014 The Poppler Developers
Copyright © 1996-2011 Glyph & Cog, LLC
Download: http://poppler.freedesktop.org
License: <install directory>/licenses/poppler/COPYING

rapidjson
Copyright © 2011 Milo Yip (miloyip@gmail.com)
Download: https://github.com/miloyip/rapidjson
Version: v0.11
License: <install directory>/licenses/rapidjson/license.txt

String Search (http://johannburkard.de/software/stringsearch/)
StringSearch - high-performance pattern matching algorithms in Java
Copyright © 2003-2010 Johann Burkard
Download: http://johannburkard.de/software/stringsearch/
License: http://johannburkard.de/software/stringsearch/copying.txt

SWF Tools (http://www.swftools.org)
Source: <install directory>/src/SWFTools/0.9.0/
Download: http://www.swftools.org/swftools-0.9.0.exe
License (GPL v2): <install directory>/licenses/SWF Tools/gpl-2.0.txt
Implementation/Integration: This open source product has not been recompiled and a call to
binary file is directly made from the code, keeping the binaries totally separate from the Prizm
Source Code.

The Legion of the Bouncy Castle
Copyright © 2000-2009 The Legion Of The Bouncy Castle (http://www.bouncycastle.org)
Download: http://bouncycastle.org/latest_releases.html
License: http://www.bouncycastle.org/licence.html
Touch.exe (http://www.codeproject.com/KB/applications/touch_win.aspx)
Copyright © 2002 by Jörgen Sigvardsson
License: http://www.codeproject.com/KB/applications/touch_win.aspx

Tanuki Java Service Wrapper (http://www.tanukisoftware.com)
Copyright © 1999, 2010 Tanuki Software, Ltd. All rights reserved.
The Software Program includes software and documentation components developed in part by Silver Egg Technology, Inc. ("SET") prior to 2001 and released under the following license.

Copyright © 2001 Silver Egg Technology
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sub-license, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

zlib
Copyright © 1995-2010 Jean-loup Gailly and Mark Adler
License: <install directory>\licenses\zlib\README

1.1.2 Third-Party Notices – Linux Server
The following third-party software may be used or distributed in the Linux Server component of the Program:

Apache PDFBox (http://pdfbox.apache.org/)
Copyright © 2002-2010 The Apache Software Foundation
Download: http://pdfbox.apache.org/download.html
License: http://www.apache.org/licenses/LICENSE-2.0

Apache FontBox (http://pdfbox.apache.org/
Copyright © 2008-2010 The Apache Software Foundation
Download: http://pdfbox.apache.org/download.html
License: http://www.apache.org/licenses/LICENSE-2.0

Apache JempBox (http://pdfbox.apache.org/)
Copyright © 2008-2010 The Apache Software Foundation
Download: http://pdfbox.apache.org/download.html
License: http://www.apache.org/licenses/LICENSE-2.0

Apache POI (http://poi.apache.org/)
Copyright © 2001-2007 The Apache Software Foundation
Download: http://www.apache.org/dyn/closer.cgi/poi/
License: http://www.apache.org/licenses/LICENSE-2.0

Apache Commons FileUpload (http://commons.apache.org/fileupload/)
Copyright © 2002-2008 The Apache Software Foundation
Download: http://commons.apache.org/fileupload/download_fileupload.cgi
License: http://www.apache.org/licenses/LICENSE-2.0

Apache Commons IO (http://commons.apache.org/io/)
Copyright © 2001-2008 The Apache Software Foundation
Download: http://commons.apache.org/io/download_io.cgi
License: http://www.apache.org/licenses/LICENSE-2.0

Apache Commons Lang (http://commons.apache.org/lang/)
Copyright © 2001-2010 The Apache Software Foundation
Download: http://commons.apache.org/lang/download_lang.cgi
License: http://www.apache.org/licenses/LICENSE-2.0

Apache Commons Logging (http://commons.apache.org/logging/)
Copyright © 2003-2007 The Apache Software Foundation
Download: http://commons.apache.org/logging/download_logging.cgi
License: http://www.apache.org/licenses/LICENSE-2.0

Apache JAMES Mime4j (http://james.apache.org/mime4j/)
Copyright © 2004-2010 The Apache Software Foundation
Download: http://james.apache.org/download.cgi
License: http://www.apache.org/licenses/LICENSE-2.0

Apache Xerces (http://xerces.apache.org/xerces-c/)
Copyright © 1999-2010 The Apache Software Foundation
Download: http://xerces.apache.org/xerces-c/download.cgi
License: http://www.apache.org/licenses/LICENSE-2.0.html

Boost (http://www.boost.org)
Download: http://sourceforge.net/projects/boost/files/boost/1.55.0/
Version: 1.55.0
License: <install directory>\licenses\boost\LICENSE_1_0.txt

©2015. Accusoft Corporation. All Rights Reserved.
cairo (http://cairographics.org)
Copyright © 2002 University of Southern California
Copyright © 2005 Red Hat, Inc.
Download: http://wwwcairographics.org/releases/
License (LGPL v2.1): <install directory>\licenses\cairo\COPYING-LGPL-2.1

expat (http://www.libexpat.org/)
Copyright © 1998, 1999, 2000 Thai Open Source Software Center Ltd and Clark Cooper
Download: http://expat.cvs.sourceforge.net/
License: <install directory>\licenses\expat\COPYING

fontconfig (http://www.freedesktop.org/wiki/Software/fontconfig/)
Copyright © 2001,2003 Keith Packard
License: <install directory>\licenses\fontconfig\COPYING

freetype
Copyright © 2012 The FreeType Project (www.freetype.org). All rights reserved.
License: <install directory>\licenses\freetype\FTL.TXT

Java Advanced Imaging API (http://java.sun.com/javase/technologies/desktop/media/jai/)
Copyright © 2006 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, U.S.A. All rights reserved.
Download: http://download.java.net/media/jai/builds/release/1_1_3/
License: http://download.java.net/media/jai/builds/release/1_1_3/LICENSE-jai.txt

Java Advanced Imaging Image I/O Tools (http://java.sun.com/javase/technologies/desktop/media/)
Copyright © 2006 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, U.S.A. All rights reserved.
Download: http://download.java.net/media/jai-imageio/builds/release/1.1/
License: http://download.java.net/media/jai-imageio/builds/release/1.1/LICENSE-jai_imageio.txt

JavaMail 1.4.3 (http://www.oracle.com/technetwork/java/javamail/index.html)
Copyright © 2009 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, U.S.A. All rights reserved.
Download: http://www.oracle.com/technetwork/java/javamail/index-138643.html
License: http://download.oracle.com/otn-pub/java/licenses/javamail-1.4.3-oth-JPR_license_1.html

JDOM
This product includes software developed by the JDOM Project (http://www.jdom.org/).
Copyright © 2000-2004 Jason Hunter & Brett McLaughlin. All rights reserved.
Source: http://www.jdom.org/downloads/source.html
License: <install directory>/licenses/jdom/LICENSE.txt  
(http://www.jdom.org/docs/faq.html#a0030)

JPedal JBIG2 Image Decoder (http://jpedaljbig2imag.sourceforge.net/)  
Copyright © 1997-2008, IDR solutions and Contributors.  
Download: http://sourceforge.net/projects/jpedaljbig2imag/files/  
License: BSD License (<install directory>/licenses/jbig2_1.4/license.txt)

JRE 1.6.0.35 (http://java.sun.com/products/archive/j2se/6u35/index.html)  
Copyright © 2006, 2010, Oracle and/or its affiliates. All rights reserved.  
License: http://www.oracle.com/technetwork/java/javase/terms/license/index.html

JTNEF (http://www.freethumbs.net/source/jtnef/)  
The JTNEF package used in this product is Copyright © 2003-2010 by Amichai Rothman.  
JavaBeans Activation Framework  
(http://www.oracle.com/technetwork/java/javase/downloads/index-135046.html)  
License: http://download.oracle.com/otn-pub/java/licenses/jaf-1.1-mrel-spec-oth-JPR_license_1.html

libjpeg  
This software is Copyright © 1991-1998, Thomas G. Lane.  
License: <install directory>\licenses\libjpeg\license.txt

Libpng  
Copyright © 1998-2011 Glenn Randers-Pehrson  
License: <install directory>\licenses\libpng\LICENSE

LibreOffice Portable (http://PortableApps.com/LibreOfficePortable)  
Publisher: The Document Foundation & PortableApps.com (John T. Haller)  
License: LibreOffice is licensed under the GNU Lesser General Public License (LGPLv3).  
Source PortableApps.com Launcher: http://portableapps.com/apps/development/portableapps_com_launcher  
Source LibreOffice: http://download.documentfoundation.org/libreoffice/src/  

libtiff  
Copyright © 1988-1997 Sam Leffler
License: <install directory>\licenses\libtiff\COPYRIGHT

Mono
Download: http://www.go-mono.com/mongo-downloads/download.html
License(s): <install directory>\licenses\Mono\LICENSE

Nginx
Copyright © 2002-2012 Igor Sysoev
Copyright © 2011-2013 Nginx, Inc. All rights reserved.
License: <install directory>/licenses/Nginx/LICENSE.txt

Ninject
Copyright © 2007-2012 Enkari, Ltd and the Ninject project contributors
Download: http://www.ninject.org/download.html
License: <install directory>/licenses/NLog/LICENSE.txt
(https://github.com/NLog/NLog/blob/master/LICENSE.txt)

NLog
Copyright © 2004-2011 Jaroslaw Kowalski
Download: http://nlog-project.org/download/
License: <install directory>/licenses/NLog/LICENSE.txt

Node.js
Copyright © Joyent, Inc. and other Node contributors
Download: http://nodejs.org/dist/v0.10.26/
Version: 0.10.26
License: <install directory>\licenses\Node.js\LICENSE.txt

ODF Converter (http://katana.ooninja.com/w/odf-converter-integrator)
Copyright © 2006, Clever Age. All rights reserved.
Download: http://katana.ooninja.com/f/software/odf-converter-integrator-0.2.3-1.i386.rpm
License: BSD-like license (<install directory>/licenses/OdfConverter/license.txt)
Implementation/Integration: This open source product has not been recompiled and a call to
binary file (OdfConverter) is directly made from the code, keeping the binaries totally separate
from the Prizm Source Code.

Poppler
Copyright © 2005-2014 The Poppler Developers
Copyright © 1996-2011 Glyph & Cog, LLC
Download: http://poppler.freedesktop.org
License: <install directory>/licenses/poppler/COPYING

rapidjson
Copyright © 2011 Milo Yip (miloyip@gmail.com)
Download: https://github.com/miloyip/rapidjson
Version: v0.11
License: <install directory>/licenses/rapidjson/license.txt

String Search (http://johannburkard.de/software/stringsearch/)
StringSearch - high-performance pattern matching algorithms in Java
Copyright © 2003-2010 Johann Burkard
Download: http://johannburkard.de/software/stringsearch/
License: http://johannburkard.de/software/stringsearch/copying.txt

The Legion of the Bouncy Castle
Copyright © 2000-2009 The Legion Of The Bouncy Castle (http://www.bouncycastle.org)
Download: http://bouncycastle.org/latest_releases.html
License: http://www.bouncycastle.org/licence.html

SWF Tools (http://www.swftools.org)
Source: <install directory>/src/SWFTools/0.9.0/
Source: <install directory>/src/SWFTools/0.9.1/
License (GPL v2): <install directory>/licenses/SWF Tools/COPYING
Implementation/Integration: This open source product has not been recompiled and a call to binary file is directly made from the code, keeping the binaries totally separate from the Prizm Source Code.

Tanuki Java Service Wrapper (http://www.tanukisoftware.com)
Copyright © 1999, 2010 Tanuki Software, Ltd. All rights reserved.
The Software Program includes software and documentation components developed in part by Silver Egg Technology, Inc. ("SET") prior to 2001 and released under the following license.

Copyright © 2001 Silver Egg Technology
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sub-license, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:
The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

The Linux Server component of the Program also uses the following software, installed separately:

ImageMagick (http://www.imagemagick.org)
OpenOffice.org (http://www.openoffice.org/)

xsp
Copyright © 2002, 2003, 2004 Novell, Inc. and the individuals listed on the ChangeLog entries
License: License: <install directory>\licenses\ xsp\COPYING

zlib
Copyright © 1995-2010 Jean-loup Gailly and Mark Adler
License: <install directory>\licenses\zlib\README

1.1.3 Third-Party Notices – Deprecated Client Viewers
The following third-party software may be used or distributed in the deprecated client components included with the Program:

Copyright © 2008 Noel Billig (www.dncompute.com)
Download: http://www.dncompute.com/blog/2008/07/17/graphicsutil-a-utility-class-for-drawing-arrows.html
License: MIT (in source)

URL Validator (http://ctrloptcmd.com/archives/587/actionscript-3-url-validator-class/)
Copyright © 2009 Martin Jacobsen
Download: http://ctrloptcmd.com/as3/URLValidator.as
License: (in source)

jQuery (http://jquery.org/)
Copyright © 2011 John Resig
Download: http://docs.jquery.com/Downloading_jQuery
License: http://jquery.org/license/

Lazy Load - jQuery plugin for lazy loading images (http://www.appelsiini.net/projects/lazyload)
Copyright © 2007-2009 Mika Tuupola
Download: http://www.appelsiini.net/projects/lazyload
License: http://www.opensource.org/licenses/mit-license.php

jQuery.ScrollTo (http://plugins.jquery.com/project/ScrollTo)
Copyright © 2007-2009 Ariel Flesler
Download: [http://plugins.jquery.com/node/635/release](http://plugins.jquery.com/node/635/release)
License: MIT (in source)

Copyright © 2009 Toshimitsu Takahashi
License: [http://www.opensource.org/licenses/mit-license.php](http://www.opensource.org/licenses/mit-license.php)

Copyright © 2008-2009 Mika Tuupola
License: [http://www.opensource.org/licenses/mit-license.php](http://www.opensource.org/licenses/mit-license.php)

transform: A jQuery cssHooks adding cross-browser 2d transform capabilities to $.fn.css() and $.fn.animate() ([https://github.com/louisremi/jquery.transform.js](https://github.com/louisremi/jquery.transform.js))
Copyright © 2011 @louis_remi
Download: [https://github.com/louisremi/jquery.transform.js](https://github.com/louisremi/jquery.transform.js)
License: MIT ([https://github.com/louisremi/jquery.transform.js](https://github.com/louisremi/jquery.transform.js))

jQuery UI ([http://jqueryui.com/](http://jqueryui.com/))
Copyright © 2011 Paul Bakaus
Download: [http://jqueryui.com/download](http://jqueryui.com/download)

Copyright © 2011 Alex Dickson
Download: [https://github.com/alexanderdickson/waitForImages](https://github.com/alexanderdickson/waitForImages)
License: [https://github.com/alexanderdickson/waitForImages/blob/master/README.md](https://github.com/alexanderdickson/waitForImages/blob/master/README.md)

Copyright © A Beautiful Site, LLC
License: MIT (in source)

jqprint ([http://plugins.jquery.com/project/jqPrint](http://plugins.jquery.com/project/jqPrint))
Provided by Eros Fratini - eros@recoding.it
Download: [http://plugins.jquery.com/node/8069/release](http://plugins.jquery.com/node/8069/release)
License: [http://www.opensource.org/licenses/mit-license.php](http://www.opensource.org/licenses/mit-license.php)
1.1.4 Third-Party Notices – Current (v9.x) Client Viewer

The following third-party software may be used or distributed in the client components included with the Program:

jQuery (http://jquery.com/)
Copyright © 2014 The jQuery Foundation
Download: http://jquery.com/download/
Version: 1.10.2
License: https://jquery.org/license/

JSDoc 3 (https://github.com/jsdoc3/jsdoc)
Copyright © 2011-2014 Michael Mathews micmath@gmail.com and the contributors to JSDoc. All rights reserved.
Download: https://github.com/jsdoc3/jsdoc
License: https://github.com/jsdoc3/jsdoc/blob/master/LICENSE.md

Normalize.css (http://necolas.github.io/normalize.css/)
Licensed under MIT license
Download: https://github.com/necolas/normalize.css/
Version: 3.0.0
License: http://opensource.org/licenses/mit-license.php

Selectivizr (http://selectivizr.com/)
Copyright © 2014 Keith Clark, freely distributable under the terms of the MIT license.
Download: http://selectivizr.com/
Version: 1.0.3b
License: http://opensource.org/licenses/mit-license.php

The HTML5 Shiv (https://code.google.com/p/html5shiv/)
Dual licensed under the MIT or GPL Version 2 licenses
Download: https://code.google.com/p/html5shiv/
Version: 3.7.0

Underscore (http://underscorejs.org/)
Copyright © 2009-2014 Jeremy Ashkenas, DocumentCloud and Investigative Reporters &
Editors
Underscore may be freely distributed under the MIT license.
Download: http://underscorejs.org/
Version: 1.6.0
License: http://opensource.org/licenses/mit-license.php

All fonts are licensed under the SIL Open Font License, version 1.1 - http://scripts.sil.org/OFL

Cedarville Cursive:
Copyright © 2010, Kimberly Geswein (www.kimberlygeswein.com)

Dancing Script:
Copyright © 2010, Pablo Impallari (www.impallari.com|impallari@gmail.com)
Copyright © 2010, Igino Marini. (www.ikern.com|mail@iginomarini.com)

Grand Hotel:
Copyright © 2012, by Brian J. Bonislawsky and Jim Lyles DBA Astigmatic (AOETI) (astigma@astigmatic.com)

Great Vibes:
Copyright © 2012, TypeSETit, LLC (typesetit@att.net)

Italiano:
Copyright © 2011, TypeSETit, LLC (typesetit@att.net)

La Belle Aurore:
Copyright © 2010, Kimberly Geswein (www.kimberlygeswein.com)

Pacifico:
Copyright © 2011, Vernon Adams (vern@newtypography.co.uk)

Sacramento:
Copyright © 2012, Brian J. Bonislawsky DBA Astigmatic (AOETI) (astigma@astigmatic.com)

1.1.5 Third-Party Notices – Other
The following third party software may be used or distributed in the sample code included with the Program:

as3crypto
Copyright © 2007 Henri Torgemane
Download: http://as3crypto.googlecode.com/files/Crypto.zip
License: http://as3crypto.googlecode.com/svn/trunk/as3crypto/LICENSE.txt

Google Translate API for .NET (http://code.google.com/p/google-api-for-dotnet/)
Copyright © 2008-2009 iron9light
1.2 Software License Agreement
ACCUSOFT CORPORATION

PRIZM CONTENT CONNECT for SHAREPOINT ‘SHRINK-WRAP’ LICENSE AGREEMENT

PLEASE READ THE FOLLOWING LICENSE AGREEMENT ("AGREEMENT") WHICH GOVERNS YOUR RIGHT TO USE OF PRIZM CONTENT CONNECT ("PROGRAM"). YOU MUST ACCEPT THESE TERMS BEFORE YOU ARE ALLOWED TO INSTALL THE PROGRAM. YOU EXPRESSLY AGREE THAT YOU HAVE THE AUTHORITY TO CONTRACTUALLY BIND THE ORGANIZATION OR ENTITY YOU REPRESENT ("LICENSEE") TO BE BOUND BY THESE TERMS. BY CHECKING THE "I ACCEPT THE TERMS IN THE LICENSE AGREEMENT" CHECKBOX AND CONTINUING WITH THE INSTALLATION BY PUSHING THE "NEXT" BUTTON, YOU AND LICENSEE AGREE TO BE BOUND BY THIS AGREEMENT.

1. Background. Accusoft Corporation, a Florida corporation ("Accusoft") is the owner of all right, title, and interest in the software system known as Prizm Content Connect ("Program"). LICENSEE desires to receive and use a copy of Program under the terms and conditions stated herein, for the sole purpose of evaluating the Program (the "Purpose"), and not for any commercial usage, or LICENSEE has purchased license codes from Accusoft and has either, entered into a separate license agreement with Accusoft governing LICENSEE’s other use of Program, or LICENSEE has received, acknowledges and accepts the terms of a license certificate associated with LICENSEE’s purchase of license codes and governing LICENSEE’s other use of Program.

2. Evaluation Mode and Licensed Mode
Default Installation - Evaluation Mode (or Trial Licensing)
The Program installation installs Program in Evaluation Mode. This allows you to test all Program features and functions. Images may be displayed with a watermark on them and occasionally dialogs may be posted reminding you that Program is in evaluation mode. Printed, exported and e-mailed images may also display a watermark. This Evaluation Mode license expires after 30 days at which time Program will cease operating. If your evaluation is not complete at that time, please contact sales@accusoft.com to see if your Evaluation Mode license time can be extended.

Changing from Evaluation Mode to Licensed Mode
License codes may be purchased at www.accusoft.com or through sales@accusoft.com. Once purchased, license codes will be sent to the purchaser via e-mail. Detailed licensing instructions are provided in the email you will receive. LICENSEE’s rights as to the number of installations and scope and term of use are governed by solely by the amount purchased and LICENSEE is required to purchase the appropriate number of installation licenses PRIOR TO SUCH INSTALLATIONS or obtain a separate written and fully executed license agreement prior to deploying applications which include PROGRAM
Accusoft software applications, including Program, are limited to use on a single computer. No runtimes or copies may be installed or distributed unless that installation or distribution is granted by a direct license from Accusoft. These ‘license agreements’ provide the terms and limits of number of copies and usage. All prospective customers have every opportunity to evaluate Accusoft’s products including Program prior to purchasing. Accusoft fully supports and warrants its code and its pricing of Program reflects those support and warranty costs.

3. Evaluation Mode Limited License. In Evaluation Mode, Accusoft grants to LICENSEE only a limited, nontransferable, nonexclusive and non-assignable license to evaluate the Program on a single computer for a thirty (30) day period and as may be extended by Accusoft on LICENSEE’s request (“Term”) beginning on the date of download of the Program, for the sole purpose of evaluating the Program (the “Purpose”), and not for any commercial usage. For clarity, LICENSEE may only install and use the Program on a single computer, and may only use it in an internal testing or proof-of-concept environment. LICENSEE IS NOT PERMITTED TO INSTALL AND USE THE PROGRAM IN A PRODUCTION ENVIRONMENT. Either party may terminate this Agreement for convenience prior to the end of the Term on one day’s written notice (email notice is acceptable) to the other party. LICENSEE shall have no right to, and shall not assign this Agreement whether by transfer, assignment, merger or otherwise.

4. Commercial License. License codes may be purchased at www.accusoft.com or through sales@accusoft.com. If a separate license agreement is entered into between Accusoft and LICENSEE at that time, then the terms of that agreement and the Term of that agreement shall govern if different from the terms and Term of this AGREEMENT. If a separate license agreement is not entered into at that time, then LICENSEE will receive a license certificate with the license codes. That license certificate governs LICENSEE’s rights as to use, copying, and distribution. The terms of that license certificate and the Term of that license certificate shall govern if different from the terms and Term of this AGREEMENT.

5. Error and Usage Reporting. LICENSEE acknowledges that Program includes an Error and Usage Reporting mechanism that may automatically exchange error and usage information with an Accusoft server or servers over the Internet when a connection to the Internet is available.

6. Ownership. LICENSEE acknowledges and agrees that Accusoft owns all right, title and interest in the Program, in all forms, including without limitation any and all worldwide proprietary rights therein, including but not limited to trademarks, copyrights, patent rights, patent continuations, trade secrets and confidential information.
7. Restrictions and Reservations. All rights and licenses not expressly granted to LICENSEE are reserved to Accusoft. LICENSEE shall not disassemble, decompile, decrypt or reverse engineer (except reverse engineering for the purpose of debugging modifications made by LICENSEE to LGPL-licensed portions of the Program) the Program or in any manner attempt to discover or reproduce the source code or any other copyrightable aspect of the Program, or any portion thereof. With an Evaluation Mode Limited License:
   a. LICENSEE is strictly prohibited from reproducing, copying, marketing, selling, distributing, licensing, sublicensing, leasing, timesharing or renting the Program or any component thereof, and
   b. LICENSEE is strictly prohibited from any commercial use of the Program, and such actions are expressly prohibited, and
   c. LICENSEE is strictly prohibited from incorporating or including the Program or any component thereof, in whole or part, into or as part of any product or service of LICENSEE regardless of functionality of Program (or lack thereof) within or as part of such product or service, and
   d. LICENSEE is strictly prohibited from using the Program, directly or indirectly, in developing LICENSEE’s own product with, or including, similar functionality, and LICENSEE shall not make any copies of the Program for any purpose whatsoever.

8. Warranty Disclaimer. LICENSEE ACKNOWLEDGES AND AGREES THAT THE PROGRAM IS PROVIDED “AS IS.” Accusoft DISCLAIMS ANY AND ALL REPRESENTATIONS AND WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND AGAINST INFRINGEMENT.

9. Limitation of Liability. Accusoft shall have no liability to LICENSEE, LICENSEE affiliates, subsidiaries, shareholders, officers, directors, employees, representatives or any third party, whether in contract, tort, negligence or products liability, for any claim, loss or damage, including but not limited to, lost profits, loss of use, business interruption, lost data, lost files, or for any direct, indirect, special, incidental or consequential damages of any kind or nature whatsoever arising out of or in connection with use of or inability to use the Program, or the performance or operation of the Program, even if Accusoft has been advised of the possibility of such damages.

10. Indemnification by LICENSEE. LICENSEE SHALL INDEMNIFY, HOLD HARMLESS AND DEFEND ACCUSOFT FOR ANY LOSS, CLAIM, ACTION OR PROCEEDING that ARISES OR RESULTS FROM ANY ACTIONS OR OMISSIONS OF LICENSEE PERTAINING TO THE PRODUCT.

11. Termination. This Agreement and the limited license shall expire at midnight on the last day of the Term. This Agreement shall also terminate immediately upon LICENSEE’S breach of any provision of this Agreement. Upon expiration or termination of the Term or any other termination, LICENSEE shall have no license or rights whatsoever in or regarding the Program, shall immediately cease to use the Program, and shall uninstall the Program from LICENSEE’s and any other computers, and shall destroy all copies of the Program, unless LICENSEE has entered into a separate written license for the Program signed by an authorized representative of Accusoft. In the event of any termination for any reason all sections of this Agreement survive except Section 2. Limited License.

12. Confidentiality. LICENSEE acknowledges that the Program contains Accusoft know-how, confidential and trade secret information (“Proprietary Information”). LICENSEE agrees: (a) to hold the Proprietary Information in the strictest confidence, (b) not to, directly or indirectly, copy, reproduce, distribute, manufacture, duplicate, reveal, report, publish, disclose, cause to be disclosed, or otherwise transfer the Proprietary Information to any third party, (c) not to make use of the Proprietary Information other than for the Purpose,
and (d) to disclose the Proprietary Information only to LICENSEE’s representatives requiring such material for effective performance of this Agreement and who have undertaken an obligation of confidentiality and limitation of use consistent with this Agreement. This obligation shall continue as long as allowed under applicable law.

13. Injunctive Relief. LICENSEE agrees that any violation or threat of violation of this Agreement will result in irreparable harm to Accusoft for which damages would be an inadequate remedy. Therefore, in addition to its rights and remedies available at law (including but not limited to the recovery of damages for breach of this Agreement), Accusoft shall be entitled to immediate injunctive relief to prevent any violation of Accusoft’s copyright, trademark, trade secret rights regarding the Program, or any violation of this Agreement, including, but not limited to, unauthorized use, copying, distribution or disclosure of or regarding the Program, as well as any other equitable relief as the court may deem proper under the circumstances.

14. Liquidated Damages. In the event LICENSEE other than as granted by this AGREEMENT and other than granted by a separate license agreement or license certificate (a) copies the Program, (b) uses the Program for any reason other than the Purpose, (c) installs or uses the program on more than a single computer, (d) incorporates or includes the Program or any component thereof, in whole or part, into or as part of any product or service of LICENSEE, or (e) otherwise violates or breaches this Agreement or separate license agreement or license certificate, LICENSEE agrees that Accusoft is entitled to obtain as liquidated damages and not as a penalty the then current published quantity one list price for each unlicensed copy of Program distributed, copied or installed other than as granted by this AGREEMENT or other agreement. THE LICENSEE EXPRESSLY AGREES THAT THE FOREGOING LIQUIDATED DAMAGES ARE NOT A PENALTY.

15. No Reduced Pricing. In any determination of Accusoft’s damages (whether liquidated damages or actual damages), or any determination of any licensing fees or royalties due Accusoft under this Agreement due to a breach by LICENSEE hereunder, LICENSEE shall not be entitled to any discounts (volume or otherwise) or reduced licensing fees or royalties. The foregoing sentence shall be applicable unless LICENSEE has negotiated and entered into a written, signed agreement with Accusoft for such reduced or discounted licensing fees or royalties and paid Accusoft such fees or royalties in advance of any: (a) distribution of the Program, (b) copying of the Program, or (c) incorporation or use of the Program in or pertaining to any product or service. Further, LICENSEE agrees that it shall not be entitled to reduced licensing fees or royalties when determining Accusoft’s damages due to any undertaking or activity by LICENSEE regarding the Program outside of or exceeding the scope of permission or Purpose of this Agreement, or LICENSEE’s actions otherwise in violation of this Agreement, other than as may be granted by a separate license agreement or license certificate.

16. Attorneys’ Fees and Costs. In the event of any lawsuit or other proceeding brought as a result of any actual or alleged breach of this Agreement, to enforce any provisions of this Agreement, or to enforce any intellectual property or other rights in or pertaining to the Program, the prevailing party shall be entitled to an award of its reasonable attorneys’ fees and costs, including the costs of any expert witnesses, incurred at all levels of proceedings.

17. Governing Law. This Agreement shall be construed, governed and enforced in accordance with the laws of the State of Florida, without regard to any conflicts of laws rules. Any action related to or arising out of this Agreement will be filed brought solely in the state court sitting in Hillsborough County, Florida or in the federal courts in the Middle District of Florida, Tampa Division, and LICENSEE consents to the exclusive jurisdiction and venue of said courts.
18. Severability. If any provision of this Agreement is determined to be invalid by any court of final jurisdiction, then it shall be omitted and the remainder of the Agreement shall continue to be binding and enforceable. In addition, the Court is hereby authorized to enforce any provision of the Agreement that the Court otherwise deems unenforceable, to whatever lesser extent the Court deems reasonable and appropriate, rather than invalidating the entire provision. Without limiting the generality of the foregoing, LICENSEE expressly agrees that should LICENSEE be found to have breached the Agreement, under no circumstances shall LICENSEE be entitled to any volume or other discount, or reduced licensing fee or royalty in the determination of Accusoft's damages, or otherwise in the determination of any licensing fee or royalty owed to Accusoft.

19. Government Rights. The Program and accompanying documentation have been developed at private expense and are sold commercially. They are provided under any U.S. government contracts or subcontracts with the most restricted and the most limited rights permitted by law and regulation. Whenever so permitted, the government and any intermediaries will obtain only those rights specified in Accusoft’s standard commercial license. Thus, the Program referenced herein, and the documentation provided by Accusoft hereunder, which are provided to any agency of the U.S. Government or U.S. Government contractor or subcontractor at any tier shall be subject to the maximum restrictions on use as permitted by FAR 52.227-19 (June 1987) or DFARS 227.7202-3(a) (Jan. 1, 2000) or successor regulations. Manufacturer is Accusoft Corporation, 4001 N. Riverside Drive Tampa, FL 33603.

20. Entire Agreement. This Agreement represents the entire understanding of the parties concerning the subject matter hereof and supersedes all prior communications and agreements, whether oral or written, relating to the subject matter of this Agreement. Only a writing signed by the parties may modify this Agreement. In the event of any modification in writing, of this Agreement, including an expanded license agreement, all sections of this Agreement survive except Section 2. Evaluation Mode Limited License and Section 4. Commercial License.

21. Contact Us. Should you have any questions concerning this Agreement, or if you need to modify this Agreement, or if you have an Evaluation Mode Limited License and you need to use Program for a different purpose than Purpose such as a commercial purpose, or if you desire to contact Accusoft for any question or reason, please contact Accusoft at 1-813-875-7575 or at sales@accusoft.com.


Windows Server. The following third party software may be used or distributed in the Windows Server component of the Program:

Apache PDFBox (http://pdfbox.apache.org/)
Copyright © 2002-2010 The Apache Software Foundation
Download: http://pdfbox.apache.org/download.html
License: http://www.apache.org/licenses/LICENSE-2.0

Apache FontBox (http://pdfbox.apache.org/)
Copyright © 2008-2010 The Apache Software Foundation
Download: http://pdfbox.apache.org/download.html
License: http://www.apache.org/licenses/LICENSE-2.0
Apache JempBox (http://pdfbox.apache.org/)
Copyright © 2008-2010 The Apache Software Foundation
Download: http://pdfbox.apache.org/download.html
License: http://www.apache.org/licenses/LICENSE-2.0

Apache POI (http://poi.apache.org/)
Copyright © 2001-2007 The Apache Software Foundation
Download: http://www.apache.org/dyn/closer.cgi/poi/
License: http://www.apache.org/licenses/LICENSE-2.0

Apache Commons FileUpload (http://commons.apache.org/fileupload/) Copyright 2002-2008 The Apache Software Foundation
Download: http://commons.apache.org/fileupload/download_fileupload.cgi License: http://www.apache.org/licenses/LICENSE-2.0

Apache Commons IO (http://commons.apache.org/io/)
Copyright © 2001-2008 The Apache Software Foundation

Apache Commons Lang (http://commons.apache.org/lang/)
Copyright © 2001-2010 The Apache Software Foundation

Apache Commons Logging (http://commons.apache.org/logging/)
Copyright © 2003-2007 The Apache Software Foundation
Download: http://commons.apache.org/logging/download_logging.cgi License: http://www.apache.org/licenses/LICENSE-2.0

Apache JAMES Mime4j (http://james.apache.org/mime4j/)
Copyright © 2004-2010 The Apache Software Foundation

ImageMagick (http://www.imagemagick.org) Copyright 1999-2010 ImageMagick Studio LLC.

ffmpeg (http://ffmpeg.org/)
Copyright © 2000, 2001, 2002 Fabrice Bellard
Source: <install directory>\src\ffmpeg\r20545\ Source
Download: http://image_magick.veidrodis.com/image_magick/binaries/ImageMagick-6.6.5-3-Q16-windows-static.exe License (GPL v3): <install directory>\licenses\ImageMagick\Notice-1.txt Implementation/Integration: This open source product has not been recompiled and a call to binary file is directly made from the code, keeping the binaries totally separate from the Prizm Source Code.
dcrw.exe (http://www.cybercom.net/~dcoffin/dcrw/) Copyright © 1997-2008 by Dave Coffin. 
Source: <install directory>\src\dcrw\9.03\ 
Download: http://image_magick.veidrodis.com/image_magick/binaries/ImageMagick-6.6.5-3-Q16-windows-static.exe 
License (GPL v3): <install directory>\licenses\ImageMagick\Notice-1.txt 
Implementation/Integration: This open source product has not been recompiled and a call to binary file is directly made from the code, keeping the binaries totally separate from the Prizm Source Code.

hp2xx.exe (http://www.gnu.org/s/hp2xx/) 
Source: <install directory>\src\hp2xx\3.4.2\ 
Download: http://image_magick.veidrodis.com/image_magick/binaries/ImageMagick-6.6.5-3-Q16-windows-static.exe 
License (GPL v2): <install directory>\licenses\ImageMagick\hp2xx_gpl-2.0.txt 
Implementation/Integration: This open source product has not been recompiled and a call to binary file is directly made from the code, keeping the binaries totally separate from the Prizm Source Code.

Java Advanced Imaging API (http://java.sun.com/javase/technologies/desktop/media/jai/) 
Copyright © 2006 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, U.S.A. All rights reserved. 
Download: http://download.java.net/media/jai/built/release/1_1_3/ 
License: http://download.java.net/media/jai/built/release/1_1_3/LICENSE-jai.txt

Java Advanced Imaging Image I/O Tools (http://java.sun.com/javase/technologies/desktop/media/) 
Copyright © 2006 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, U.S.A. All rights reserved. 
Download: http://download.java.net/media/jai-imageio/built/release/1.1/ 
License: http://download.java.net/media/jai-imageio/built/release/1.1/LICENSE-jai_imageio.txt

JavaMail 1.4.3 (http://www.oracle.com/technetwork/java/javamail/index.html) 
Copyright © 2009 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, U.S.A. All rights reserved. 
Download: http://www.oracle.com/technetwork/java/javamail/index-138643.html 
License: http://download.oracle.com/otn-pub/java/licenses/javamail-1.4.3-oth-JPR_license_1.html

JDOM 
This product includes software developed by the JDOM Project (http://www.jdom.org/). 
Copyright © 2000-2004 Jason Hunter & Brett McLaughlin. All rights reserved. 
Source: http://www.jdom.org/downloads/source.html 
License: <install directory>\licenses\jdom\LICENSE.txt (http://www.jdom.org/docs/faq.html#a0030)

JRE 1.6.0.35 (http://java.sun.com/products/archive/j2se/6u35/index.html) Copyright © 2006, 2010, Oracle and/or its affiliates. All rights reserved. 
License: http://www.oracle.com/technetwork/java/javase/terms/license/index.html
ODF Converter (http://odf-converter.sourceforge.net/)
Copyright © 2006-2008, Clever Age, DIALOGiKa, Sonata Software Ltd All rights reserved.
Download: http://sourceforge.net/projects/odf-converter/files/
License: http://odf-converter.sourceforge.net/#license

Source:
http://sourceforge.net/projects/portableapps/files/Source%20%28OpenOffice.org%29/OpenOffice.org%203.2.0/OpenOfficePortable_3.2.0_English.paf.exe/download
Download:
http://sourceforge.net/projects/portableapps/files/Source%20%28OpenOffice.org%29/OpenOffice.org%20Portable%20Portable_3.0_en-us.paf.exe/download License (LGPL v3): <install directory>\licenses\OpenOfficePortable\license.txt
Implementation/Integration: This open source product has not been recompiled and a call to binary file is directly made from the code, keeping the binaries totally separate from the Prizm Source Code.

LibreOffice Portable (http://PortableApps.com/LibreOfficePortable)
Publisher: The Document Foundation & PortableApps.com (John T. Haller)
License: LibreOffice is licensed under the GNU Lesser General Public License (LGPLv3).
Source PortableApps.com Launcher:
http://portableapps.com/apps/development/portableapps.com_launcher Source LibreOffice:

Inkscape Portable (http://portableapps.com/apps/graphics_pictures/inkscape_portable)
Publisher: PortableApps.com (Chris Morgan) and the Inkscape team
License: Inkscape is licensed under GNU General Public License version 2.0 (GPLv2)
Source PortableApps.com Launcher:
Downloads:
http://portableapps.com/bouncer/?t=http%3A%2F%2Fdownload.sourceforge.net%2Finkscape%2FInkscapePortable_0.48.4-1.paf.exe

Implementation/Integration: This open source product has not been recompiled and a call to binary file is directly made from the code, keeping the binaries totally separate from the Prizm Source Code.

SharePoint 2013 Solution Installer (http://gallery.technet.microsoft.com/office/SharePoint-2010-Solution-5bdcf00e)
Portions Copyright © 2007 - 2009 Lars Fastrup Nielsen
Provided through: http://gallery.technet.microsoft.com/
Download: http://gallery.technet.microsoft.com/office/SharePoint-2010-Solution-5bdcf00e/file/53921/2/SharePoint%202010%20Solution%20Installer.zip
License: MS-LPL (http://gallery.technet.microsoft.com/office/SharePoint-2010-Solution-5bdcf00e)
SharePoint 2013 Fluent Ribbon API (http://spribbon.codeplex.com/)
Prizm Content Connect 9.1 for SharePoint 2013

Copyright © 2011 Microsoft
Download: http://spribbon.codeplex.com/releases/view/75638
License: http://spribbon.codeplex.com/license

String Search (http://johannburkard.de/software/stringsearch/)
StringSearch - high-performance pattern matching algorithms in Java
Copyright © 2003-2010 Johann Burkard
Download: http://johannburkard.de/software/stringsearch/
License: http://johannburkard.de/software/stringsearch/copying.txt

The Legion of the Bouncy Castle
Copyright © 2000-2009 The Legion Of The Bouncy Castle (http://www.bouncycastle.org)
Download: http://bouncycastle.org/latest_releases.html
License: http://www.bouncycastle.org/licence.html

Touch.exe (http://www.codeproject.com/KB/applications/touch_win.aspx)
Copyright © 2002 by Jörgen Sigvardsson
License: http://www.codeproject.com/KB/applications/touch_win.aspx

JTNEF (http://www.freeutils.net/source/jtnef/)
The JTNEF package used in this product is copyright (c) 2003-2010 by Amichai Rothman.
License: http://download.oracle.com/otn-pub/java/licenses/jaf-1.1-mrel-spec-oth-JPR_license_1.html

SWF Tools (http://www.swftools.org)
Source: <install directory>/src/SWFTools/0.9.0/
Download: http://www.swftools.org/swftools-0.9.0.exe
License (GPL v2): <install directory>/licenses/SWF Tools/gpl-2.0.txt
Implementation/Integration: This open source product has not been recompiled and a call to binary file is
directly made from the code, keeping the binaries totally separate from the Prizm Source Code.

All rights reserved.
The Software Program includes software and documentation components developed in part by Silver Egg
Technology, Inc. (“SET”) prior to 2001 and released under the following license.
Copyright © 2001 Silver Egg Technology
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and
associated documentation files (the “Software”), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish, distribute, sub-license, and/or sell
copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the
following conditions:
The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

Third Party Notices – Linux Server. The following third party software may be used or distributed in the Linux Server component of the Program:
Apache PDFBox (http://pdfbox.apache.org/)
Copyright © 2002-2010 The Apache Software Foundation
Download: http://pdfbox.apache.org/download.html
License: http://www.apache.org/licenses/LICENSE-2.0

Apache FontBox (http://pdfbox.apache.org/)
Copyright © 2008-2010 The Apache Software Foundation
Download: http://pdfbox.apache.org/download.html
License: http://www.apache.org/licenses/LICENSE-2.0

Apache JempBox (http://pdfbox.apache.org/)
Copyright © 2008-2010 The Apache Software Foundation
Download: http://pdfbox.apache.org/download.html
License: http://www.apache.org/licenses/LICENSE-2.0

Apache POI (http://poi.apache.org/)
Copyright © 2001-2007 The Apache Software Foundation
Download: http://www.apache.org/dyn/closer.cgi/poi/
License: http://www.apache.org/licenses/LICENSE-2.0

Apache Commons FileUpload (http://commons.apache.org/fileupload/)
Copyright © 2002-2008 The Apache Software Foundation
Download: http://commons.apache.org/fileupload/download_fileupload.cgi License: http://www.apache.org/licenses/LICENSE-2.0

Apache Commons IO (http://commons.apache.org/io/)
Copyright © 2001-2008 The Apache Software Foundation
Download: http://commons.apache.org/io/download_io.cgi
License: http://www.apache.org/licenses/LICENSE-2.0

Apache Commons Lang (http://commons.apache.org/lang/)
Copyright © 2001-2010 The Apache Software Foundation
Download: http://commons.apache.org/lang/download_lang.cgi
License: http://www.apache.org/licenses/LICENSE-2.0

Apache Commons Logging (http://commons.apache.org/logging/)
Copyright © 2003-2007 The Apache Software Foundation
Download: http://commons.apache.org/logging/download_logging.cgi
License: http://www.apache.org/licenses/LICENSE-2.0

Apache JAMES Mime4j (http://james.apache.org/mime4j/)
Copyright © 2004-2010 The Apache Software Foundation
Download: http://james.apache.org/download.cgi
License: http://www.apache.org/licenses/LICENSE-2.0

Java Advanced Imaging API (http://java.sun.com/javase/technologies/desktop/media/jai/)
Copyright © 2006 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, U.S.A. All rights reserved.
Download: http://download.java.net/media/jai/builds/release/1_1_3/
License: http://download.java.net/media/jai/builds/release/1_1_3/LICENSE-jai.txt

Java Advanced Imaging Image I/O Tools (http://java.sun.com/javase/technologies/desktop/media/)
Copyright © 2006 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, U.S.A. All rights reserved.
Download: http://download.java.net/media/jai-imageio/builds/release/1.1/
License: http://download.java.net/media/jai-imageio/builds/release/1.1/LICENSE-jai_imageio.txt

JavaMail 1.4.3 (http://www.oracle.com/technetwork/java/javamail/index.html)
Copyright © 2009 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, U.S.A. All rights reserved.
Download: http://www.oracle.com/technetwork/java/javamail/index-138643.html
License: http://download.oracle.com/otn-pub/java/licenses/javamail-1.4.3-oth-JPR_license_1.html

JDOM
This product includes software developed by the JDOM Project (http://www.jdom.org/).
Copyright © 2000-2004 Jason Hunter & Brett McLaughlin. All rights reserved.
Source: http://www.jdom.org/downloads/source.html
License: <install directory>/licenses/jdom/LICENSE.txt (http://www.jdom.org/docs/faq.html#a0030)

JRE 1.6.0.35 (http://java.sun.com/products/archive/j2se/6u35/index.html) Copyright © 2006, 2010, Oracle and/or its affiliates. All rights reserved.
License: http://www.oracle.com/technetwork/java/javase/terms/license/index.html

ODF Converter (http://katana.oooninja.com/w/odf-converter-integrator) Copyright © 2006, Clever Age. All rights reserved.
Download: http://katana.oooninja.com/f/software/odf-converter-integrator-0.2.3-1.i386.rpm
License: BSD-like license (<install directory>/licenses/OdfConverter/license.txt)
Implementation/Integration: This open source product has not been recompiled and a call to binary file (OdfConverter) is directly made from the code, keeping the binaries totally separate from the Prizm Source Code.

Implementation/Integration: This open source product has not been recompiled and a call to binary file is directly made from the code, keeping the binaries totally separate from the Prizm Source Code.

LibreOffice Portable (http://PortableApps.com/LibreOfficePortable)
Publisher: The Document Foundation & PortableApps.com (John T. Haller)
License: LibreOffice is licensed under the GNU Lesser General Public License (LGPLv3).
Source PortableApps.com Launcher:
http://portableapps.com/apps/development/portableapps.com_launcher Source LibreOffice:
t=183%2F2F%2Fdownload.documentfoundation.org%2Flibreoffice%2Fportable%2F4.0.1%2FLibreOfficePo 
table_4.0.1_MultilingualAll.paf.exe

Inkscape Portable (http://portableapps.com/apps/graphics_pictures/inkscape_portable)
Publisher: PortableApps.com (Chris Morgan) and the Inkscape team
License: Inkscape is licensed under GNU General Public License version 2.0 (GPLv2)
Source PortableApps.com Launcher:
http://portableapps.com/apps/development/portableapps.com_launcher
Source Inkscape: http://sourceforge.net/projects/inkscape/files/
Downloads:
ortable_0.48.4-1.paf.exe
Implementation/Integration: This open source product has not been recompiled and a call to binary file is directly made from the code, keeping the binaries totally separate from the Prizm Source Code.

String Search (http://johannburkard.de/software/stringsearch/)
StringSearch - high-performance pattern matching algorithms in Java
Copyright © 2003-2010 Johann Burkard
Download: http://johannburkard.de/software/stringsearch/
License: http://johannburkard.de/software/stringsearch/copying.txt

The Legion of The Bouncy Castle
Copyright © 2000-2009 The Legion Of The Bouncy Castle (http://www.bouncycastle.org)
Download: http://bouncycastle.org/latest_releases.html
License: http://www.bouncycastle.org/licence.html

JTNEF (http://www.freeutils.net/source/jtnef/)
The JTNEF package used in this product is Copyright © 2003-2010 by Amichai Rothman.
JavaBeans Activation Framework (http://www.oracle.com/technetwork/java/javase/downloads/index-
135046.html)
Download: http://www.oracle.com/technetwork/java/javasebusiness/downloads/java-archive-downloads-
java-plat-419418.html#jaf-1.1-fr-oth-JPR
License: http://download.oracle.com/otn-pub/java/licenses/jaf-1.1-mrel-spec-oth-JPR_license_1.html

SWF Tools (http://www.swftools.org)
Source: <install directory>/src/SWFTools/0.9.0/
Source: <install directory>/src/SWFTools/0.9.1/
License (GPL v2): <install directory>/licenses/SWF Tools/COPYING
Implementation/Integration: This open source product has not been recompiled and a call to binary file is directly made from the code, keeping the binaries totally separate from the Prizm Source Code.

Tanuki Java Service Wrapper (http://www.tanukisoftware.com) Copyright © 1999, 2010 Tanuki Software, Ltd. All rights reserved.

The Software Program includes software and documentation components developed in part by Silver Egg Technology, Inc. ("SET") prior to 2001 and released under the following license.

Copyright © 2001 Silver Egg Technology

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sub-license, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

The Linux Server component of the Program also uses the following software, installed separately:

ImageMagick (http://www.imagemagick.org)
OpenOffice.org (http://www.openoffice.org/)

Third Party Notices – Client. The following third party software may be used or distributed in the client components included with the Program:


URL Validator (http://ctrloptcmd.com/archives/587/actionscript-3-url-validator-class/) Copyright 2009 Martin Jacobsen
Download: http://ctrloptcmd.com/as3/URLValidator.as
License: (in source)

jQuery (http://jquery.org/)
Copyright © 2011 John Resig

Lazy Load - jQuery plugin for lazy loading images (http://www.appelsiini.net/projects/lazyload)
Copyright © 2007-2009 Mika Tuupola
Download: http://www.appelsiini.net/projects/lazyload
License: http://www.opensource.org/licenses/mit-license.php

jQuery.ScrollTo (http://plugins.jquery.com/project/ScrollTo)
Copyright © 2007-2009 Ariel Flesler
Download: http://plugins.jquery.com/node/635/release
License: MIT (in source)
Third Party Notices – Other. The following third party software may be used or distributed in the sample code included with the Program:

Google Translate API for .NET (http://code.google.com/p/google-api-for-dotnet/)
Copyright © 2008-2009 iron9light
Download: http://code.google.com/p/google-api-for-dotnet/downloads/list
License: http://www.opensource.org/licenses/mit-license.php
Other Terms: http://code.google.com/apis/language/translate/terms.html

SWFObject (http://code.google.com/p/swfobject/)
Provided by code.google.com
Download: http://code.google.com/p/swfobject/downloads/list
License: http://www.opensource.org/licenses/mit-license.php

Windows Installer XML (Wix) toolset
Copyright © 2004, Outercurve Foundation
Download: http://wixtoolset.org/releases/v3.7.1015.0 License: http://opensource.org/licenses/ms-rl
as3crypto
Copyright © 2007 Henri Torgemane
Download: http://as3crypto.googlecode.com/files/Crypto.zip
License: http://as3crypto.googlecode.com/svn/trunk/as3crypto/LICENSE.txt
4821-4982-4268, v. 10
2 Introduction

This section contains the following information:

- About PCC for SharePoint
- Feature Overview
- What’s New in PCC for SharePoint
- PCC for SharePoint v9.1
- Supported Versions
- Contacting Accusoft Support
- Accusoft Corporation Copyrights & Trademarks

2.1 About PCC for SharePoint 2013

Prizm Content Connect (PCC) for SharePoint is an HTML5 document viewer designed to work with the Microsoft SharePoint platform. Prizm Content Connect offers secure document viewing without the need to download any additional controls on an end-user machine.

Share and collaborate on information throughout the enterprise by allowing your users to access almost any document type, while ensuring information security and control over documents and intellectual property through built-in Digital Rights Management.

Prizm Content Connect for SharePoint features include:

- High-speed scalable browser-based HTML5 Document viewing for your SharePoint Farm
- View documents from within the search results in SharePoint
- Protect sensitive information through redaction and browser-based Document Security
2.1.1 Feature Overview

PCC for SharePoint features:

View
- View documents stored in SharePoint document libraries
- View documents without downloading and opening on your device
- Documents supported are listed here: http://www.accusoft.com/products/viewer/on-premise/info/features/

Secure
- Prevent unauthorized printing, downloading, and copying
- Control which groups and users can copy, print, and save documents

Advanced ‘in document’ Search
- Search document content while viewing

Annotate and Redact
- Mark up and annotate
- Control who can create, view, and modify annotations

2.2 What's New in PCC for SharePoint 9.1

This section highlights the new features in the latest PCC for SharePoint:

2.2.1 HTML5 Viewer Updates
- Brand New HTML5 Client Viewer - Based on a Responsive Web Design.
- Scrollable Viewing - The new client supports smooth scrolling pages to allow the user to read a document in a more natural way than in the previous HTML5 Viewer.
- Customizable Interface - The new viewer is based on HTML templates, which can be completely customized by the developer. The HTML and CSS files are no longer obfuscated and may be edited to suit the specific needs of the application. Menus can be added, removed, or changed with just a few minutes of editing in a very easy-to-understand design.
- Full Viewer Client API – For advanced development, the new Viewer is based entirely on a public API. This gives the developer complete control over the look, feel, and behavior of the viewer and allows the Viewer to extend or replace existing functionality by creating custom controls and behaviors. Developers can subscribe to numerous viewer events, which will support auditing of user interactions.
- Annotation Comments - Ability to add comments to any annotation and view in a display panel.
- Redaction - Ability to initiate the markup burner process and download the redacted document directly from the user interface.

- New freehand drawing annotation.

- New Client API method introduced to convert search highlights to redactions.

- Added Rotate All feature in addition to existing Rotate Page.

- Improvements to Text Annotation feature to provide WSYWYG editing.

- Ability to redact text using text selection tool

2.2.2 Annotating Document Versions
Prizm annotations are created and saved per version of a document, when versioning is enabled for a Document Library.

2.2.3 Redactions
Perform redactions on a document and then publish the document as a new PDF.

2.2.4 Conversions to PDF
Convert over 300 different file types to PDF.

2.2.5 DRM Enforcement
The ability to download or send a document using Ribbon and ECB actions is blocked when DRM permissions for the user do not permit the user to save or send the document.

2.2.6 Using SharePoint Designer with DRM
SharePoint Designer can be used by privileged users when DRM is enabled for a web application.

2.2.7 Using Windows Explorer View with DRM
Access to a Document Library by privileged users is uninhibited when DRM is enabled for a web application.

2.2.8 Revamped Configuration Pages
Configuring your PCC for SharePoint installation has been never been easier with a completely redesigned, intuitive interface that has a familiar SharePoint look and feel. It is now simple to configure Digital Rights Management at a Site Collection, Web Application, or more granular level. PCC for SharePoint now also includes Annotation rights management as part of the DRM solution.
2.2.9 Microsoft Office Improvements
This product release introduces numerous improvements to the Office conversion engine, including:

Enhanced Chart Visualization
- Better rendering of documents’ Table of Contents.
- Improved rendering fidelity of raster images and vector drawings embedded in the Office documents.
- Various enhancements to interoperability with the Office Open XML formats as well as binary Office formats and the RTF format.

Excel Pagination
Large Excel files can now be converted to PDF and SVG, and viewed in the paginated mode (similar to the printed output) for better visibility of large spreadsheets and reducing the payload to the client’s browser.

2.2.10 PDF Improvements
This product release introduces the following major improvements to the PDF converter:
- Improved performance of PDF conversion.
- Rendering support for PDF files containing CMYK JPEG stream.
- Bug fixes to the legacy PDF converter.

2.2.11 Enterprise Class Architecture with PCCIS
Scale to any size deployment with best in class service architecture; Prizm Content Connect Imaging Services provides architecture that can serve small deployments and scale to the largest enterprise deployments.

- New! Markup Burners RESTful API - Allows for the server to burn defined annotations into a document, creating a new document with the annotation permanently applied to the content.
- New! Redaction Creator RESTful API - Enables the server to search a document for text matching a Regular Expression, and then, based on any matches, creates a new Markup XML document containing redaction markup. This API, in conjunction with the Markup Burners, enables the ability to automatically redact content based on defined Regular Expressions.
- New! Workfile Service RESTful API - Implements a new methodology for sending content to and retrieving content from the PCC RESTful Web Services. As the RESTful API expands beyond just viewing content, the Workfile API will be used to allow developers to interact with the content outside of the PCC viewer.
- SVG Payload Optimizations - A new Content Type has been implemented with this release. Using the SVGA content type, it instructs the server to create a more optimized...
SVG for use in the HTML5 viewer. This change creates a smaller SVG file, fewer SVG nodes, reduces network traffic, and allows the viewer to process the SVG faster, resulting in better performance.

- Expanded Use of the Raster Conversion Service - With this release, the Raster Conversion service is being used to handle requests for viewing Raster image content through the RESTful Web API. The use of this service increases the system’s performance and allows better handling of Raster Content created in varying color spaces and using different bit levels.
- Implemented new Raster conversion service to resolve issues with loading and displaying raster files within the HTML5 viewer.

### 2.2.12 Improved Multi-Server Support

As part of the configuration improvements, global settings required to support multi-server installs have been included and can easily be managed in the configuration interface. You are no longer required to edit source code or configuration files to set up a multi-server environment.

### 2.2.13 Known Issues

For Known Issues with Prizm Content Connect, refer to the Prizm Content Connect Release Notes in your Prizm Content Connect help. There are some additional issues that we are aware of specific to the Sharepoint installation.

- Annotations may not be correctly associated with a new version of a document when annotation versioning is turned on.

### 2.3 Contacting Accusoft Support

For information about Accusoft Support, please refer to the Software Support and Maintenance Policy on the Accusoft web site, email support@accusoft.com or call Accusoft at 813-875-7575.

### 2.4 Accusoft Corporation Copyrights & Trademarks

©1996-2015 Accusoft Corporation. All rights reserved.
Information in this document is subject to change without notice. No part of this document may be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without the express written permission of Accusoft® Corporation.

This manual and the software described in it are both products of the USA.

Accusoft Corporation
4001 North Riverside Drive
Tampa, FL 33603 Sales: 813-875-7575 www.accusoft.com
Accusoft Trademarks

The following are trademarks (™) or registered marks (®) of Accusoft Corporation:

- Accusoft®
- Accusoft Logo™
- Accusoft Pegasus Logo™
- Accusoft® Barcode Scanner™
- Accusoft® Cloud Services
- Adeptol®
- AIMTools™
- Barcode Xpress™
- Barcode Xpress Mobile™
- CapturePro™
- Cram™
- Digital Mark Recognition® (DMR)
- FolderBots™
- FormAssist™
- FormDirector™
- FormFix™
- FormSuite™
- FormSuite™ for Invoices
- ImageGear® for .NET
- ImageGear® for .NET Compact Framework
- ImageGear® for Silverlight
- ImageGear® for Java
- ImageGear® Medical
- ImageGear® Professional
- ImageGear®
• ImageTransport MD™
• Image Detergent™
• ImagXpress®
• ISIS® Xpress™
  o ISIS is a registered trademark of EMC Corporation
  o ISIS Xpress is a trademark of Accusoft Corporation
• MICR Xpress™
• NetVue™
• NotateXpress™
• PDF Xpress™
• Pegasus®
• PICTools™
• PICTools™ Document
• PICTools™ Fingerprint
• PICTools™ Medical
• PICTools™ Photo
• PICVideo™ M-JPEG Codec
• PrintPRO™
• Prizm®
• Prizm® Content Connect™
• Prizm® Content Connect™ for SharePoint
• Prizm® Content Connect™ for Documentum
• Prizm® Document Converter™
• Prizm® Viewer™
• Prizm® ActiveX Viewer™
• Prizm® Cloud™
• Prizm® Share™
• Prizm® Image™
• Prizm® Capture™
• ScanFix® Xpress™
• SmartZone™
• The JPEG Wizard™
• ThinPic™
• ThumbnailXpress™
• TwainPRO™
• USB Scanner™
• USB Scanner SDK™

Accusoft Corporation and/or its agents use these marks and brand names in connection with its goods and/or services, in the United States and other countries.
3 Features, Components & Architecture

The overview section is a summary of the features and components of PCC for SharePoint and how they interact.

3.1 Feature Overview

Prizm Content Connect for SharePoint offers three major feature sets out of the box: document viewing, Digital Rights Management (DRM), and document annotation.

Document viewing is a feature set that permits an end user to view documents that are stored in SharePoint, without having to download the original document. Documents are viewed directly in the user’s web browser. Furthermore, document viewing does not require the end user to download and install any additional software on their device.
Digital rights management (DRM) is a feature set that builds on top of document viewing. With DRM, a user can view a document in their web browser, but the user will be limited (based on their permissions) in their ability to copy, save, or print the content of the document.

Document annotation is another feature that builds on top of document viewing. With document annotation, a user can create and save annotations on any viewable document. These annotations can later be viewed by other users.

3.2 Product Architecture Overview

Prizm Content Connect (PCC) for SharePoint is made of two high level components. These two high level components together provide all of the functionality that is required for document viewing, Digital Rights Management, and other functionality of PCC for SharePoint. Both components must be installed and configured for a proper functioning deployment of PCC for SharePoint.

The figure below shows how the Prizm Content Connect for SharePoint product is made of two high level components, PCC for SharePoint Integration and Prizm Content Connect:
Prizm Content Connect
Prizm Content Connect is a standalone product that exposes a set of web services, these web services are referred to as the Prizm Content Connect Imaging Services (or just PCCIS). Prizm Content Connect must be installed within your organization as part of the PCC for SharePoint installation. PCCIS performs document conversion.

PCC for SharePoint Integration
The PCC for SharePoint Integration is a farm solution for SharePoint 2013, which provides functionality that modifies SharePoint to permit document viewing, rights management, configuration, and document annotation. PCC for SharePoint Integration utilizes PCCIS for document conversion.

Prizm Content Connect for SharePoint Installers and Downloads
Prizm Content Connect for SharePoint is packaged and delivered to you as a solution package (Accusoft.Pcc.SharePoint.wsp) file. This solution package is used to install and deploy PCC for SharePoint Integration to your SharePoint 2013 farm.

3.3 Document Viewing Overview
The document viewing feature set in PCC for SharePoint offers the end user the ability to view documents that are stored in SharePoint document libraries. Documents are viewed in the user’s web browser, which means that the end user does not need to download the original document or have a client application on their device that can open the document for viewing.

For example, a Microsoft Word document is viewed in the web browser:
Congratulations

You have successfully installed

Prizm Content Connect

3.3.1 Integrating Document Viewing

The document viewing feature set in PCC for SharePoint offers the end user the ability to view documents that are stored in SharePoint document libraries. Documents are viewed in the user’s web browser, which means that the end user does not need to download the original document or have a client application on their device that can open the document for viewing.

There are several different ways that document viewing can be integrated into SharePoint.

Previewer

The simplest, least-invasive means of viewing a document is through adding a Preview column to a document library. This column presents the user with a link to view the document in a pop up without leaving the page.

Example 1

The figure below shows a document library with a preview column added (the right most column). For each row, the “View” link will open the document in a pop up for viewing:
The View Button
The view button is new functionality with Sharepoint2013, embedded in the ribbon and allows you to view the document in a new tab. It can be easier to use than the Previewer for users running PCC on a tablet.

Example 2
The figure below shows how to activate the View button. First select a document and click on View:

Example 3
The figure below shows viewing a document in a new tab:
Redirector
The Redirector is a component of the Digital Rights Management feature set. The redirector intercepts a direct request for a document and redirects the web browser to a page in the web tier for viewing the document.

For more information about the Redirector see the DRM Components & Architecture Overview section.

3.3.2 Web Tier
The core component of document viewing in PCC for SharePoint is the web tier. The web tier is composed of a web page, several web services, and a viewer. ViewDocument.aspx is a SharePoint Application page that displays a specified document using the PCC HTML5 viewer. This page is used in all document viewing; it is used by the Previewer, Redirector, and custom integrations. The web services of the web tier support ViewDocument.aspx and the HTML5 viewer. These web services are not intended to be called directly in any custom integrations.

Web Tier Public API
The web tier’s public API permits viewing documents. The public API consists of a single member, which is the ViewDocument.aspx page. For more information, see the section on Calling the API Directly.
PCC HTML5 Viewer
The PCC HTML5 viewer is a document viewer. This component of the web tier renders documents for viewing in the end user’s browser. In addition to viewing, the HTML5 viewer permits document navigation, text searching, thumbnail views, saving, printing, text selection, annotations, and redaction among other things.

The HTML5 viewer requires a SVG or PNG encoded rendition of a document. It requests this rendition by calling into the web services of the web tier. The HTML5 viewer can render vector or raster content that is contained in the SVG or PNG encoded document.

3.3.3 Tempcache
The tempcache is a directory that is used for sharing files between the PCC for SharePoint Integration and the Prizm Content Connect Services. Files in the tempcache are written and modified by both the web tier and PCCIS.

A correctly configured tempcache is critical to proper functioning of document viewing and security of the PCC for SharePoint deployment. The integrator should take proper care to ensure that permissions of the tempcache folder are set to permit read and write by the web tier and PCCIS, and also to ensure that permissions are set to prevent unauthorized access.

3.3.4 Prizm Content Connect Services
Prizm Content Connect services are a critical part of document viewing. As discussed in the section Product Architecture Overview, Prizm Content Connect services are part of Prizm Content Connect, which is a standalone product that is installed separate from the PCC for SharePoint Integration. Prizm Content Connect Services include the ProxyServer (on port 18680 by default) and Prizm Content Connect Imaging Services (PCCIS on port 18681 by default).

3.3.5 Architecture Diagram
The example below shows at a high level how the components interact to implement document viewing functionality:
3.4 Digital Rights Management Overview

The Digital Rights Management (DRM) feature set in PCC for SharePoint builds on top of document viewing and restricts an end user’s ability to duplicate the content of a document. Through DRM, the SharePoint administrator controls what permissions a user has when viewing a document. This includes specifying whether a user can print a document, save a document, or copy contents of a document.

The following example shows two viewers side-by-side:

- The left viewer is not enforcing any DRM permissions and the right viewer is enforcing DRM permissions.
- The right viewer is missing the save, print, and select text (copy) button in the menu bar.

DRM in PCC for SharePoint can only enforce these permissions when viewing the document in the PCC viewer. DRM cannot enforce rights management permissions if a user has a copy of the original document on their computer. Therefore it is imperative for the SharePoint administrator to configure the SharePoint document library or site to prevent the end user from downloading the original document, and instead, only allow the user to open the document for viewing in the PCC viewer.

3.4.1 The Redirector

PCC for SharePoint offers a component to help the administrator prevent users from downloading the original document. This component is called the HttpRedirector, or just the
“ Redirector”. When installed for a SharePoint web application, the Redirector will intercept requests for rights managed documents and redirect the request to an application page that permits the end user to view the document in the PCC viewer. This page, or specifically the viewer within this page, will enforce the DRM permissions that the user is granted for the document.

Redirection of a request for a document is demonstrated in the examples below:

**Example 1**
The browser will send the request to get this document:

http://testPCC/AccusoftPCC/Shared%20Documents/2-%20MS%20Office%20Documents/Sample.doc

**Example 2**
The request from Example 1 (above) was redirected by the Redirector to the URL as shown in this browser:

http://TestPCC/AccusoftPCC/_layouts/15/Accusoft/Prizm/ViewDocument.aspx?documentIdentifier=http%3a%2f%2fwin-pcr64lqgorc%2fsites%2fAccusoftPCC%2fShared+Documents%2f2-+MS+Office+Documents%2fSample.doc

The Redirector is an HTTP Module, which is installed to each web application when the Prizm Digital Rights Management web application feature is activated. During the activation of this feature, changes are made to the web application’s web.config file, which installs the Redirector for the web application. Upon deactivation of the Prizm Digital Rights Management web application feature, the Redirector is un-installed for the web application.

**Example 3**
When the Prizm Digital Rights Management web application feature is activated, requests for resources are monitored by the HttpRedirector. If the redirector sees a request for a DRM protected resource, then it redirects the request to a page for viewing the resource:
3.5 Configuration Overview

Prizm Content Connect for SharePoint has two types of configurable settings. These settings either fall under the category of end user permissions or global settings. End user permissions include Digital Rights Management permissions and annotations permissions. Global settings control the interaction of behind the scenes components that implement document viewing.

3.5.1 Configuration of End User Permissions

There are three important characteristics of end user permissions that affect configuration:

End user permissions are hierarchical – They can be set at the SharePoint site level and they will apply throughout the site. However, these settings can be overridden at the document library level, permitting a different configuration and behavior of DRM and annotations for individual document libraries.

End user permissions are applied to groups – They can be set for each SharePoint group. This allows different groups to have different permissions for various actions. For example, a moderator group may have permissions to save or copy documents, but a view-only group would not have permissions to save, copy, or print documents.

End user permissions can be modified by a user with the Manage Lists base permission – An end user that has the Manage Lists base permission will be able to modify end user permissions. Users with this base permission are typically site owners and designers. There may be a scenario where a user has the Manage List permission for a specific document library, but not for a site. In this case, the user will be able to set end user permissions for the document library but not the site.
3.5.2 What are the Configurable Permissions?
Some of the configurable permissions relate to Digital Rights Management and others relate to annotations. The configurable permissions are described below.

3.5.3 Digital Rights Management Permissions

Enable DRM
The ability to save or send a document. A save button is included in the toolbar of the PCC Viewer.

There are SharePoint ribbon buttons and ECB menu items for downloading a copy of a document, sending the document to another location, or creating a document workspace. If DRM is enabled for a user, the DRM redirector will block the user from accessing the SharePoint functionality (a SharePoint error page will display).

Copy
The ability to copy document content. A copy button is included in the toolbar of the PCC Viewer.

Print
The ability to print a document. A print button is included in the toolbar of the PCC Viewer.

3.5.4 Annotation Permissions

Save/Load
The ability to load and save annotations or redactions. When a user opens a version of a document, any annotations saved for that version (of the document) are loaded when the document loads in the PCC Viewer.

The annotations are saved and are associated with the version of the document currently being viewed.

Annotations
The ability to access the annotation toolbar:

The PCC Viewer annotations toolbar will be accessible if the user has Annotation permission.

Redactions
The ability to access the redaction toolbar.

3.5.5 How are Permissions Configured?
Permissions are controlled through two nearly identical SharePoint application pages.
The first application page is the Prizm Site Permissions page. This page permits configuration of DRM and annotations permissions, which apply throughout the site.

**Example 1**
The Prizm Site Permissions page:

The second application page is the Prizm Library Permissions page. This page permits configuration of DRM and annotations permissions that apply to a specific document library. Setting permissions with the Prizm Library Permissions page will override permissions for the document library, which were inherited from the site.

**Example 2**
The Prizm Library Permissions page:

### 3.5.6 Configuration of Global Settings

Global settings apply to PCC for SharePoint throughout the entire SharePoint farm. These settings affect how the behind the scenes components work together to implement document viewing. Global settings include the hostname and port of the PCC legacy services and PCCIS services, and the location of the tempcache folder.

Configuration of these setting can be done by a farm administrator using the Prizm Global Configuration page. This is an admin page that is deployed to SharePoint Central Administration.
Example - Global Configuration
The Prizm Global Configuration page:

4 Upgrading from Previous Versions

Note that previous versions of Prizm Content Connect for SharePoint supported SharePoint 2010 and below, while PCC v8.x and higher are for SharePoint 2013; as such there are no direct upgrade utilities as the entire farm needs. Please contact Accusoft’s Sales Department using sales@accusoft.com if you would like to facilitate the migration of previous annotations from a legacy version of PCC for SharePoint.
# 5 Installation Guide

## 5.1 System Requirements

When installing Prizm Content Connect on a Separate Server from SharePoint:

- Minimum 4GB RAM (Recommended 8GB+ RAM)
- 450 MB of free disk space
- Operating System:
  - Windows Server 2008 (64-bit)
  - Windows Server 2008 R2 (64-bit)
- Single-Server Topology

When installing Prizm Content Connect on the same server as SharePoint:

- 450 MB of free disk space
- Prizm Content Connect places no other additional requirements on top of the SharePoint 2013 requirements.

### 5.1.1 PCC for SharePoint Integration

When deploying the PCC for SharePoint Integration to a SharePoint Farm, the primary requirement for installation is the presence of a supported SharePoint installation. All of the other requirements in this section come from SharePoint:

- **SharePoint**
  - SharePoint Foundation 2013 with Service Pack 1
  - SharePoint Server 2013 (Standard or Enterprise)
  - SharePoint Server 2013 (Standard or Enterprise) with Service Pack 1
- **Web Server**
  - IIS 7 and above
  - SharePoint Web Applications running in the Integrated Pipeline Mode
- **Operating System**
  - Windows Server 2008 with SP2 64-bit
  - Windows Server 2008 R2 64-bit
  - Windows Server 2008 R2 with SP1 64-bit
  - Windows Server 2012 64-bit
- **Hardware**
  - 16GB ram for medium size production system Client

The following requirements permit PCC for SharePoint to function correctly for the end user:
Note that your use of various features of SharePoint may further restrict the list of supported browsers.

Browser Compatibility:

- Internet Explorer 8, 9, 10, 11
- Chrome 24+
- Firefox 18+

5.2 Required Permissions

Users who install, configure, and manage the PCC for SharePoint product will need different permissions to perform various actions. Below is a list of actions that can be performed and the permissions required to perform each action.

5.2.1 Installing using PowerShell

Installation of PCC for SharePoint using PowerShell requires:

- User is a farm administrator.
- User is an administrator on the local machine.
- User is a shell administrator. See Microsoft documentation for Add-SPShellAdmin.

5.2.2 Configuring Global Settings

Through Central Administration you can configure global settings for PCC for SharePoint. This includes settings such as the location of the tempcache folder. Permissions required:

- User is a farm administrator.

5.2.3 Activate Prizm Digital Rights Management Feature

Through central administration you can activate and de-activate the Prizm Digital Rights Management feature for any web application in the farm. Permissions required:

- User is a farm administrator.

5.2.4 Activate Prizm Configuration Tools Feature

In the site settings of the root web of a site collection, you can activate and de-activate the Prizm Configuration Tools feature for a site collection. Permissions required:

- User is a site collection administrator.

5.2.5 Control DRM and Annotation Permissions

Site and list owners (and also designers) can modify DRM and Annotations permissions. Permissions required:
• User has “Manage Lists” permission for a library – allows the user to override DRM and Annotations permissions for a document library.
• User has Manage Lists” permissions for a site – allows the user to set DRM and Annotations permissions that will be used in document libraries throughout the site.

5.3 Step 1 - Planning Your Install
When planning your installation of PCC for SharePoint you will need to answer the following questions. The answers you give will affect the route you take for installation.

What is my target server topology?
• Am I installing to a standalone SharePoint server?
• Am I installing to a SharePoint farm that has one or more servers?
• Do I want to install PCCIS on a separate server from SharePoint?

What is my preferred method of deploying SharePoint solutions and activating features?
• Do I want to deploy and activate using GUI tools?
• Do I want to deploy and activate using command line tools (PowerShell cmdlets)?

What viewing and rights management behavior do I want to implement?
• Do I want to enforce an additional level of rights management for my documents?
• Do I want to allow users to view documents, but prevent users from copying, saving, or printing documents?
• Do I want document previewing?
• Do I want to provide users with a link to view a document in the browser?
• Do I want to view documents that are found in search results?
• Do I want to implement custom behavior for viewing my documents?
• Do I want to browse a document library and be able to preview documents in another panel on the same page?

5.3.1 Your Target Server Topology
Knowing your target server topology is a key step you will need to make before beginning installation and configuration of PCC for SharePoint. The steps you will take for installation and configuration are different based on your server topology. In some cases you will have a choice regarding the server topology you want, but in many cases this will be decided by your existing SharePoint deployment.

If you are going to test PCC for SharePoint in a development or testing environment, you should test in an environment with a similar topology.

This section contains the following information:
• Installing to a Single Server Topology
Installing to a Multi-Server Topology

Installing to a Single Server Topology
When installing PCC for SharePoint to a single-server topology, SharePoint 2013, Prizm Content Connect services, and the Prizm Content Connect for SharePoint integration code will each be installed on the same server. Instructions in the Single-Server Install Guide cover the installation steps for all supported single-server topologies.

If the target server topology is a single-server topology, it is recommended that SharePoint 2013 is installed as a standalone installation; a standalone installation of SharePoint 2013 does not allow the addition of machines to create a SharePoint farm.

It is possible to have a single-server topology where you install SharePoint as a single-server farm rather than as a standalone install.

However, consider whether you could be adding more than one SharePoint server to this farm in the future. If you could be adding another SharePoint server to this farm, you should deploy as a multi-server topology where there is one server hosting SharePoint and one server hosting Prizm Content Connect services. Using this multi-server topology will permit the addition of SharePoint servers to the farm without changes to PCC for SharePoint.

Installing to a Multi-Server Topology
PCC for SharePoint supports a variety of multi-server topologies as of the 7.0 release. In each of the supported topologies, there are one or more servers hosting the SharePoint farm and there is only one server hosting Prizm Content Connect services.

Instructions in the Multi-Server Install Guide cover the supported multi-server topologies.

In the simplest multi-server topology, SharePoint may be installed on a single server and Prizm Content Connect services are installed on a separate server.

More complex multi-server topologies consist of a SharePoint server farm containing more than one server. The roles of the servers in this SharePoint farm are not important for this document. What is important is that in the multi-server topology, Prizm Content Connect services will be installed only on one server. This single Prizm Content Connect server will serve all requests for document conversion that come from any server in the SharePoint farm.
5.3.2 Method of Deploying SharePoint Solutions

PCC for SharePoint supports deploying via the SharePoint Administrative Console.

Command-Line Based Installation
The command-line based install method makes use of the SharePoint 2013 Management Shell. The installation guide for this install walks you through adding the PCC for SharePoint solution to the solution store, deploying the solution to the farm, and activating features on web applications and site collections.

Example
The figure below shows the first two steps of installing using PowerShell cmdlets:
5.3.3 Choosing Viewing & Rights Management Behavior

PCC for SharePoint permits implementation of several different behaviors for the end user. The product can be used to assist in rights management for specific groups, it can allow preview of documents in a library, it can allow viewing of documents in search results, and it can allow custom integration of viewing documents.

In a deployment of PCC for SharePoint to a standalone SharePoint server or to a SharePoint server farm you can configure PCC for SharePoint to offer one or more of these behaviors to the end user. When configuring these behaviors, you can be as specific as the Document Library; and therefore two document libraries in the same site may offer different viewing or rights management functionality.

Digital Rights Management (DRM)

If you wish to allow end users to view documents, but you want to prevent select groups from saving, copying, or printing documents, PCC for SharePoint can be used to implement this behavior in a document library.

PCC for SharePoint offers an interface where you can specify permissions (rights) that you want to give to individual groups. PCC for SharePoint will enforce these permissions when a user views the document in the PCC viewer. Furthermore, PCC for SharePoint will prevent the user from downloading the original document through a direct link to the document, such as through clicking the name of the document in the Document Library. Instead of downloading the document, the user will be redirected to view the document in the browser.
Example 1

The figure below shows the interface that is used to configure DRM permissions:

Example 2

The figures below show the viewer enforcing DRM permissions. This particular user only has permission to print, and they do not have permissions to save the document or select and copy content from the document:
DrM has been enabled in the above example when trying to download.

Congratulations

You have successfully installed

Prizm Content Connect

Printing has been disabled with DRM enabled in the above example

Document Preview in Browser

PCC for SharePoint offers several means of in-browser viewing of documents stored in SharePoint. The simplest, least-invasive means of viewing a document is through adding a Preview column to a document library. This column presents the user with a link to view the document in a lightbox without leaving the page. To add a preview column to a document library, see the Configuring the Previewer section.
**Viewing Documents in Search Results**

If SharePoint search results contain a direct link to a document, then that document can be viewed by clicking on the search result.

Enabling viewing of search results is done indirectly, as there is no switch to specifically enable viewing of search results. Search results can be viewed in PCC if DRM is enabled for the document in the search result. To configure this, refer to the Configuring DRM section.

**Custom Integration of Viewing with PCC**

The PCC for SharePoint product can be used for viewing documents in SharePoint in additional ways. Two suggested custom integrations are shown below, but you may find another approach that meets your needs. To perform custom integrations, you will need to call the API directly, as described in the Calling the API Directly section.

Creating a link that opens the document in the PCC Viewer – you can create link text that will open any document in the PCC Viewer.

**5.4 Step 2 - Installing PCC**

**5.4.1 Evaluation Licensing**

Please refer to the Prizm Content Connect help file for detailed installation instructions at [http://www.accusoft.com/manuals.htm](http://www.accusoft.com/manuals.htm).

**5.4.2 One Time Only Configuration for PCC in a Multi-Server Farm**

In this walkthrough, we will configure the Prizm Content Connect Services to support document conversion requests in a multi-server farm.

1. On the Prizm Content Connect Server, open the Prizm conf folder. Find this folder in the installation directory of Prizm Content Connect. If you chose the default install location, this would be C:\Prizm\conf.Open proxyserver.jar.properties for editing.
2. Modify the value of the all entries of localhost to match the host name or IP address of this machine that you are referencing in SharePoint Central Administration.
3. Save and close proxyserver.jar.properties.
5. Find and restart the Prizm service:
6. Configure the firewall(s) to allow incoming requests for PCCIS. By default the PCCIS receive requests on port 18680 and 18681. You will need to open any firewalls so the PCCIS can accept inbound requests on ports 18680 and 18681. Since instructions vary depending on firewall implementation, you will need to determine the appropriate steps for your firewall.

7. Test access to the PCCIS from another machine by opening:

   http://pcc.mydomain.com:18680

   in a web browser. You should do this from a separate machine on the network, not the PCC Server. You will need to replace “pcc.mydomain.com” with the host name or IP from Step 3 above.
5.5 Step 3 - Installing PCC for SharePoint

5.5.1 Single-Server Install Guide
This section will guide you through installing Prizm Content Connect for SharePoint on the same server as a standalone SharePoint installation.

If you desire to support a multi-server SharePoint farm or if you desire to install Prizm Content Connect on a separate server from SharePoint, please use the Multi-Server Install Guide.
Installation using PowerShell

This installation guide will provide you (an experienced SharePoint administrator) with sufficient information to add, deploy, and activate the Prizm Content Connect for SharePoint product using PowerShell cmdlets. After installation, you will need to follow the initial configuration steps in the Configuration Guide.

To install PCC for SharePoint, follow these steps:

1. Download the PCCForSharePoint.zip file from Accusoft.com.
2. Save the PCCForSharePoint.zip file anywhere on the SharePoint server and extract zip file to: C:\<path_to_install_zip_content>\.
3. Open the SharePoint 2013 Management Shell:
   SharePoint 2013 Products > SharePoint 2013 Management Shell
4. Add the solution to the solution store:
   PowerShell Code:
   ```powershell
   # Add-SPSolution C:\<path_to_install_zip_content>\Accusoft.Pcc.SharePoint.wsp
   ```
5. Deploy the solution:
   PowerShell Code:
   ```powershell
   # Install-SPSolution Accusoft.Pcc.SharePoint.wsp -GACDeployment
   ```
6. Activate the Prizm Digital Rights Management feature for one or more Web Applications in the Farm:
   PowerShell Code:
   ```powershell
   # Enable-SPFeature Accusoft.Pcc.SharePoint_DigitalRightsManagement -Url <WebAppUrl>
   ```
7. Activate the Prizm Configuration Tools feature for one or more site collections:
   PowerShell Code:
   ```powershell
   # Enable-SPFeature Accusoft.Pcc.SharePoint_PrizmConfigurationTools -Url <SiteCollectionUrl>
   ```
8. Give the application pool identity (or identities) permission to modify the tempcache directory at %allusersprofile%\Accusoft\Prizm\Cache\.
9. Determine the application pool identity for each Web Application:
   a. Go to Start, select Run and then enter inetmgr.
   b. The Internet Information Services (IIS) Manager displays.
c. Under the Connections explorer, expand the node for your server.
d. Select the item Application Pools.
i. In the list of application pools, select the row that corresponds to your
  SharePoint Web Application. Look for the value under the Identity
  column; this will give you the Application Pool Identity.
ii. Modify the permissions for the tempcache folder; give each of the
  application pool identities permission to modify the tempcache folder.

10. The location of the tempcache folder will by default be
    %allusersprofile%\Accusoft\Prizm\Cache\. If you wish to modify this location, refer to the
    Configuring Prizm Global Configuration section.
11. The installation process is now complete.

5.5.2 Multi-Server Install Guide
This section will guide you through installing Prizm Content Connect for SharePoint in a multi-
server farm topology.

If you desire to deploy SharePoint, PCC for SharePoint Integration, and Prizm Content Connect
to the same server, such that you only have one server total, please use the Single-Server Install
Guide.

Installation using PowerShell
This installation guide will provide you (an experienced SharePoint administrator) with sufficient
information to add, deploy, and activate the Prizm Content Connect for SharePoint product
using PowerShell cmdlets.

If you prefer to install via GUI Application, go to the Installation using GUI Application section.

To install PCC for SharePoint Integration on your SharePoint 2013 farm, installation will need to
be performed on a SharePoint web front end or application server. Log on to the SharePoint
server of your choice and perform the following steps:

1. Download the PCCForSharePoint.zip file from Accusoft.com.
2. Save the PCCForSharePoint.zip file anywhere on the SharePoint server and extract zip file
to:
   C:\<path_to_install_zip_content>\n
3. Open the SharePoint 2013 Management Shell:
   SharePoint 2013 Products > SharePoint 2013 Management Shell

4. Add the solution to the solution store:
   PowerShell Code:
# Add-SPSolution C:\<path_to_install_zip_content>\Accusoft.Pcc.SharePoint.wsp

5. Deploy the solution:

PowerShell Code:

# Install-SPSolution Accusoft.Pcc.SharePoint.wsp -GACDeployment

6. Activate the Prizm Digital Rights Management feature for one or more Web Applications in the Farm:

PowerShell Code:

# Enable-SPFeature Accusoft.Pcc.SharePoint_DigitalRightsManagement -Url <WebAppUrl>

7. Activate the Prizm Configuration Tools feature for one or more site collections:

PowerShell Code:

# Enable-SPFeature Accusoft.Pcc.SharePoint_PrizmConfigurationTools -Url <SiteCollectionUrl>

8. Give the application pool identity (or identities) permission to modify the tempcache directory at %allusersprofile%\Accusoft\Prizm\Cache\.

9. Determine the application pool identity for each Web Application:
   a. Go to Start, select Run and then enter inetmgr.
   b. The Internet Information Services (IIS) Manager displays.
   c. Under the Connections explorer, expand the node for your server.
   d. Select the item Application Pools.
      i. In the list of application pools, select the row that corresponds to your SharePoint Web Application. Look for the value under the Identity column; this will give you the Application Pool Identity.
      ii. Modify the permissions for the tempcache folder; give each of the application pool identities permission to modify the tempcache folder.

10. Perform the one-time only configuration steps for Installing PCC for SharePoint for Multi-Servers.

**One Time Only Configuration for PCC for SharePoint**

To complete the installation of the PCC for SharePoint Integration you need to configure sharing and permissions for the tempcache folder, and configure the PCC for SharePoint Integration with the location of the Prizm Content Connect Services.
**Configure the Tempcache:**

Configuration of the tempcache, or cache folder, permits the PCC for SharePoint Integration code to write to and read from the folder. In a multi-server topology, Prizm Content Connect is installed on a separate server from the servers hosting SharePoint; this server is called the Prizm Content Connect Server. The tempcache folder is located on the Prizm Content Connect Server.

These configuration steps will share this folder as a network share and then set appropriate share and NTFS permissions for the folder:

1. For each web application in your SharePoint farm that will use PCC for SharePoint, you will need to know the application pool identity (user).
   b. Get the web application:
      
      PowerShell Code:

      ```powershell
      # $webApp = Get-SPWebApplication <WebAppUrl>
      ```

   c. Get the application pool identity:
      
      PowerShell Code:

      ```powershell
      # $webApp.ApplicationPool.Username
      ```

2. On the Prizm Content Connect Server, get the account the Prizm service logs on as:
   a. Open the Windows Services console. From the Command Prompt enter "services.msc".
   b. In the Services console, find the account listed in the column Log On As for the Prizm Service.

3. Share the cache folder as a network share:
   a. On the Prizm Content Connect Server find the cache folder created by the Prizm Content Connect installer. By default this will be at: %allusersprofile%/Accusoft/Prizm/Cache/.
   b. In Windows Explorer, right-click on the cache folder and select Properties.
   c. In the Properties dialog, select the Sharing tab and then click the Advanced Sharing button:
   d. In the Advanced Sharing dialog, check the option to Share this folder:
   e. Click the Permissions button:
   f. Optionally, remove all existing users from this list:
   g. In the Permissions dialog, add the user for the application pool identity from Step 1, above.
   h. Give the user Change and Read permissions:
i. Repeat Steps 3.g. and 3.h. above for each of the application pool identities from Step 1 above.

j. In the Permissions dialog, add the Log On As user for Prizm service from Step 2, above. Also give this user permission to Read and Change.

k. Click OK to apply permissions and close the Permissions dialog.

l. Click OK to share the folder and close the Advanced Sharing dialog.

m. In the Cache Properties dialog on the Sharing tab, make note of the Network Path of the shared cache folder. In the image below, this is shown as `\PCC\Cache`:

n. Click Close to exit the Properties dialog.

4. Modify the security settings for the cache folder.

   a. In Windows Explorer, right-click on the cache folder and select properties.

   b. In the Properties dialog, select the Security tab.

   c. Give each application pool identity permissions to modify this folder.

5.5.3 Configure the PCC for SharePoint Integration with the Location of Prizm Content Connect
The PCC for SharePoint Integration needs to know the location of PCCIS and its supporting technologies.
Search Terms Path

Use this to specify a search terms path on the PCC server to supply preloaded Search terms to the viewer. Please see the Prizm Content Connect help file for more information on this topic at http://www.accusoft.com/manuals.htm

Web Service Scheme

Use this to define whether your site will communicate with PCC over HTTP or HTTPS.

Hostname

The hostname setting specifies the hostname of PCCIS.

By default the value of this setting is "localhost", which is appropriate for single-server topologies. In other words, “localhost” is an appropriate value when PCC is installed on the same server as SharePoint.

This setting can be set to the hostname or IP of another machine that hosts PCCIS in order to support a multi-server topology. However, setting up a multi-server topology requires some additional configuration of PCC. For more information on setting up a multi-server topology, see the Installation Guide.

This setting should not include a protocol, port number, or trailing slashes. The following examples are invalid values for this setting: “http://localhost”, “pcc.mydomain.com/”, and “pcc.mydomain.com:18680”.

Port

The port setting specifies the port of PCCIS for handling the viewing of documents.

By default the value of this setting is “18681”. In most cases this value will be appropriate. However, in rare cases you may need to change the port of PCCIS. If you change the port of PCCIS, then you will have to update this setting with the new port number.

Proxy Port

The port setting specifies the port of PCC’s Proxy Server that handles conversion of documents to PDF with or without redaction.

By default the value of this setting is “18680”. In most cases this value will be appropriate. However, in rare cases you may need to change the port of the Proxy Server used for Conversions. If you change the port of Proxy Server, then you will have to update this setting with the new port number.

Tempcache Location
The tempcache location setting specifies the location of the tempcache folder. This value must be a fully qualified path to a directory. It supports UNC path names.

By default, the value of this setting is evaluated from “%allusersprofile%\Accusoft\Prizm\Cache”. Typically, that expression will evaluate to “C:\ProgramData\Accusoft\Prizm\Cache”, but it is dependent on the environment variables.

The default value is appropriate for single-server topologies. In other words, the default value is appropriate when PCC is installed on the same server as SharePoint.

To support multi-server topologies this setting can be changed to the path of a network share. The path must be valid and point to the same shared folder for all servers in the multi-server topology, including the PCC server.

**Important!** Permissions must be set correctly for the tempcache folder. If you are planning on changing the location of the tempcache folder used by PCC for SharePoint, you must set the appropriate permissions for that folder in addition to setting the tempcache location as described below.

The following permissions are required for the tempcache folder:

1. The Prizm service account must have permission to modify the tempcache folder.
2. Web application pool identities must have permission to modify the tempcache folder.
3. For a guided walkthrough of setting up a multi-server topology and the tempcache, including setting the tempcache permissions, see the Installation Guide.

### 5.5.4 Next Steps
To continue setting up PCC for SharePoint, you will need to configure the product for viewing the contents of a document library. You can take one of several approaches, depending on the behavior you want to offer the end user.
6 Administration Guide

6.1 Viewer Functionality

6.1.1 Redirecting Links to the Document
Document redirection is a function of DRM. If DRM is enabled for a user for a document, then the user will be redirected to a page showing the document in the Prizm Content Connect Viewer if they click on a link to the document.

If DRM is not enabled for the user for the document, then the default SharePoint behavior will occur (such as the browser asking the user if they want to download the document). If DRM is enabled, you can restrict viewer functionality such as printing, copying, and saving, if you want. See the Digital Rights Management topic for more information on DRM, and see the Configuring DRM topic for information on how to configure DRM.

6.1.2 Configuring the Previewer
The simplest, least-invasive means of viewing a document is through adding a Preview column to a document library. This column presents the user with a link to view the document in a pop up without leaving the page.

Example 1
The figure below shows a document library with a preview column added (the right most column). For each row, the “View” link will open the document in a pop up for viewing:

Example 2
The figure below shows previewing a Microsoft Word document in a pop up:
Congratulations

You have successfully installed

Prizm Content Connect

6.1.3 The Viewer Option
The top bar of the viewer includes the following features:

- To zoom in and zoom out, select the plus and minus buttons: + and -
- To print, select the printer button: 
- To view other available options, select the gear button: 
- To navigate through the document, select the arrows.

6.1.4 Document Annotations and Redactions

Document Annotations
The Annotate menu contains the following annotations: Arrow, Line, Rectangle, Ellipse, Text, Freehand, Stamp, and Highlight.

To add an annotation to your document:

1. Click on the Annotate Tab and the annotate tools display:
2. Click on the annotation you want to use, then apply it to the document (this example shows the Highlight annotation):

The context menu displays where you can change the color of the highlight annotation, add a comment, or delete the annotation.

3. To save the annotation, click on the Save button. To load a previously saved annotation, click on the Folder button:

**Document Redactions**

The Redact menu contains the following redactions: Filled Rectangle, Transparent Rectangle, Text Redaction, Stamp, and Text Selection.

To add a redaction to your document:

1. Click on the Redact Tab and the redact tools display:
2. Click on the redaction you want to use, then apply it to the document (this example shows the Stamp redaction):

The context menu displays where you can change the wording of the Stamp annotation, add a comment or delete the redaction.

3. To save the redaction, click on the Save button. To load a previously saved redaction, click on the Folder button:
6.1.5 Version History

1. Select a document and click on the version history button:

2. The version history pop-up will then be displayed. Click on the timestamp document URL to display in the PCC viewer one the previous version of the document.

You will also able to load annotations and redactions of previous versions of the document.
6.1.6 Convert to PDF

1. To convert a document to PDF format, first select the file then click on the Convert to PDF button:

2. A pop-up displays, requiring you to provide a name for the PDF file, and giving you the option of showing redactions on the PDF files:

3. Click OK and the new PDF file will be saved in the same document library.
6.2 DRM Configuration Guide

Configuration of Prizm DRM requires some planning in order to adequately protect documents from low-trust user groups while at the same time enabling high-trust user groups to use the built-in features of SharePoint. Protection of documents using Prizm DRM means that many built-in features of SharePoint will be disabled for the low-trust user groups. This guide will help you understand how to properly configure the Prizm DRM and SharePoint for both the low-trust and high-trust user groups.

6.2.1 Low-Trust & High-Trust User Groups

Low-trust user groups and high-trust user groups are terms defined by this guide, which are used to help classify the different groups of users accessing documents in your SharePoint site.

Configuration of Prizm DRM and SharePoint permissions for a specific group depends on the classification of the group as a low-trust user group or high-trust user group. The sections below discuss more about each of these classifications and the permissions that should be granted to each.

Low-Trust User Groups

Low-trust user groups are SharePoint groups for which you want to limit their ability to duplicate contents of documents from one or more document libraries. To effectively limit the groups' ability to duplicate contents of a document, both SharePoint permissions and Prizm DRM need to be configured to control access to the documents.

Typically low-trust user groups will be granted a level of read-only access using SharePoint permissions, and then the groups' access to the documents will be further restricted using Prizm DRM permissions.

There may be some cases where a low-trust user group is granted more than read-only permissions in SharePoint, which may include permissions to contribute, edit, or manage a list or site. However, these scenarios should be limited as it could result in a conflicting user experience where the group is granted permission to edit or manage a document, but Prizm DRM restricts their ability to download or copy contents of the document.

There are some SharePoint permissions that must be denied to low-trust user groups in order to effectively limit access to documents:

- The SharePoint base permissions 'Use Client Integration Features', and
- The 'Use Remote Interfaces' should not be granted to a low-trust user group, because granting either of these permissions enables direct access to a document through specific channels.
Granting either of these permissions to a low-trust user group would allow a user to circumvent protection offered by Prizm DRM.

**High-Trust User Groups**
High-trust user groups are SharePoint groups that need to have greater access to documents in a document library or site. Furthermore, the ability to duplicate contents of a document does not need to be controlled for these groups. As a result, Prizm DRM is not needed to limit the access of high-trust user groups to a document.

Although DRM can typically be disabled for high-trust user groups, there is one common scenario where DRM is enabled for high-trust user groups. In order to offer high-trust user groups the same ability to click a link to a document and view it in the browser, DRM can be enabled for high-trust user groups. Unlike for low-trust user groups, Prizm DRM permissions can be used to grant the high-trust groups the ability to save the document.

The 'Use Client Integration Features' base permission must still be denied to the high-trust user groups so that the redirection will function correctly. And it is important to note that denying this base permission will result in loss of built-in SharePoint features for this group.

An alternative option for enabling in-browser viewing for high-trust user groups is to use the Prizm Preview Field. Configuring this feature is described in Configuring the Previewer.

### 6.2.2 SharePoint Features Affected by DRM
Enabling DRM and configuring SharePoint to accurately protect documents from low-trust user groups requires that some built-in features of SharePoint be disabled or blocked for the low-trust user groups. Likewise, if DRM is enabled and configured for a high-trust user group, then some SharePoint features will also be blocked for the high-trust user group.

**Features Blocked by Prizm DRM**
The Prizm Redirector component (part of Prizm DRM) will block some built-in features of SharePoint. The following built-in features will be blocked for groups after properly configuring Prizm DRM for the group:

- Direct access to document via URL
- Download a Copy button and menu item (conditionally enabled*)
- Send To Other Location buttons (located on both the ribbon and from the ECB menu) (conditionally enabled*)
- Create Document Workspace buttons (located on both the ribbon and from the ECB menu) (conditionally enabled*)
- Opening files via WebDAV (conditionally enabled*)
Features Disabled through SharePoint Permissions
When denying a group SharePoint permissions, the group will lose access to certain SharePoint functionality. The SharePoint base permissions 'Use Client Integration Features' and 'Use Remote Interfaces' will need to be denied to low-trust user groups. If enabling DRM for high-trust user groups, then 'Use Client Integration Features' will need to be denied.

The following list shows notable built-in SharePoint features that will be disabled for users when a base permission is denied:

Use Client Integration Features Base Permission
Notable built-in features that will be disabled:

- Opening a document in a client application
- 'Upload Multiple Documents' ribbon button
- 'Open with Explorer' ribbon button

Use Remote Interfaces Base Permission
- Notable built-in features that will be disabled:
  - SOAP protocol
  - WebDAV protocol
  - Use of the Client Object Model
  - SharePoint Designer

6.2.3 DRM Configuration Walkthrough
This section presents a walkthrough to configure Prizm DRM and SharePoint permissions for high-trust and low-trust user groups. The walkthrough results in a simple yet secure DRM configuration. For some readers, this may be sufficient to support the needs of your SharePoint deployment and organization. For other readers, the walkthrough will just be a learning experience and your implementation will need to be more detailed to meet the complex needs of your SharePoint deployment and organization.

Working with Client Integration Features

Disable Client Integration Features for Low-Trust User Groups
For low-trust user groups, or other groups for which DRM will be enabled, client integration features will need to be disabled per group, as described in the sections Creating a Limited Permission Level to Assign to Low-Trust User Groups and Assigning a Limited Permission Level to Low-Trust User Groups. We disable Client Integration for low-trust user groups because Client Integration interferes with the functioning of the Prizm DRM Redirector, causing a dialog to display before redirection and causing some file types to not be redirected.
Creating a Limited Permission Level to Assign to Low-Trust User Groups

Some SharePoint permissions need to be disabled for low-trust groups in order to enforce DRM settings. This concept is explained more in the sections Low-Trust & High-Trust User Groups and SharePoint Features Affected by DRM.

The steps below walk through the process of creating a new permission level with limited permissions which will later be used to assign permissions to a low-trust group.

To create this permission level, we will copy the built-in Read permission level in SharePoint and then remove the 'Use Remote Interfaces' and 'Use Client Integration Features' base permissions from this permission level.

It is not required to copy the Read permission level. What is important is:

- To deny the Use Remote Interfaces and Use Client Integration Features base permissions, and
- To choose the appropriate level of permissions for browsing, viewing, contributing, and managing

The Permission Level

To set up the DRM on a SharePoint 2013 site, you will first need to create a new permission level. In order to do so, execute the following actions:

1. Click on the gear wheel located at the top right corner of the page. Then Click on Site Settings.

Once on the site Settings page, click on Site permissions, under “User and Permissions”: 
2. Under the tab “Permissions”, click on “Permission Levels”:

3. Finally, click on “Add a Permission Level”: 
4. We are going to name the permission Level **PCC Viewer**.
5. Under List Permissions, make sure to check **View Items, Open Items, View Version, Create Alerts** and **View Application Pages**:

6. Under Site Permissions, make sure to check **View Pages, Browse User Information, Open** and most important, make sure **Use Remote Interfaces** and **Use Client Integration Features**
7. Now assign that new Permission Level to a group in SharePoint. Go back to the Permissions page and select the group. Click on Edit User Permissions, from the ribbon:
Select the new Permission Level; PCC Viewer, and click OK:

![Permissions dialog box](image)

The Permission Level is updated for that group:

![Permission Level updates](image)

**Enabling the DRM Redirector for a Web Application**

Enabling the Prizm Digital Rights Management (DRM) feature for the web application will activate components that enforce DRM on document libraries in the web application.

To enable the DRM Redirector for a Web Application, follow these steps:

1. In SharePoint Central Administration, click on Application Management.
2. Under Web Applications, click on Manage web applications.
3. Click on the Web Application you want to enable Prizm Digital Rights Management, then click Manage Features. The Manage Web Application Features window displays.
4. Under the Prizm Digital Rights Management feature, click Activate and then click OK.

5. You have successfully enabled the DRM Redirector for your selected Web Application.

**Setting DRM Permissions for Low- and High-Trust User Groups**

This section walks through the process of configuring DRM permissions for Low- and High-Trust user groups. It first offers a recommended configuration for each classification and then provides steps to configure permissions at the individual library level or at the site level.

**Recommended Configuration**

**Low-Trust User Groups**

Enable DRM for low-trust user groups to limit their access to documents in a document library. Optionally, grant the low-trust user groups DRM permissions to Copy or Print the document from the viewer.
IMPORTANT: Carefully consider when granting a low-trust user group the DRM permission for Save/Send. This permission would allow members of the group to download the original document.

**High-Trust User Groups**
Disable DRM for high-trust user groups on document libraries to allow them to use the SharePoint features without disruption.

**Configuration Steps**
Two sets of configuration steps for DRM permissions are provided. The first set allows configuration of DRM permissions that apply site-wide, which is the quickest way to apply DRM protection to documents in all libraries of the site. The second set of instructions allows configuration of DRM permissions at the individual library level, which includes the ability to override the site-wide settings for a specific library.

Depending on the needs of the organization deploying DRM, DRM may only need to be configured for individual document libraries, only site-wide, or in some cases a little of both:

- Configuring DRM for a Site
- Configuring DRM for a Document Library

**Configuring DRM for a Site**
To configure DRM for a site, follow these steps:

These site settings will apply to all document libraries in the site unless you override the settings for a document library as described in the Configuring DRM for a Document Library section.

1. Open the site you want to configure DRM.
2. Click on Site Actions, then click Site Settings.
3. Under the Prizm Configuration heading, click on Prizm Site Permissions:
   a. If the Prizm Configuration heading is not available, you will need to enable Prizm Configuration Tools for the Site Collection.
4. The Prizm Permissions page for the site displays. The table on this page shows the DRM permissions and annotations permissions that are currently set for each group. Select one (or more) groups to configure for DRM and then select Edit DRM Permissions:
5. The Edit Prizm Site DRM Permissions window displays. Under DRM Settings, select the desired DRM settings and permissions for the group(s). To enable DRM for the group(s) site-wide, select Enable DRM for site option and then check Copy or Print as desired. To disable DRM for the group(s) site-wide, select Disable DRM for site:
   - The recommended starting point for low-trust users is to enable DRM and optionally enable copy and print. The recommended starting point for high-trust users is to disable DRM.
   - If no groups are selected when you select Edit DRM Permissions, the Edit DRM Permissions dialog will include a People Editor you can use to specify which groups the settings apply to.

6. Click OK and your settings are saved. You will be able to view the new settings in the DRM and DRM Permissions columns on this page.

**Configuring DRM for a Document Library**

To configure DRM for a document library, follow these steps:

When you create permission settings at the Document Library level, they will override any permission settings created at the Site level.

1. Go to the Document Library where you want to configure DRM.
2. On the Library Tools tab, select Library.
   a. If the Prizm Library Permissions button is not available, you will need to enable Prizm Configuration Tools for the Site Collection.
4. The Prizm Permissions page for the document library displays. The table on this page shows the DRM permissions and annotations permissions that are currently set for each
group. Settings inherited from the site are prefixed with "Inherited:“. Select one (or more) document libraries to configure for DRM and then select Edit DRM Permissions.

5. The Edit Prizm Document Library DRM Permissions window displays. Under DRM Settings, select the desired DRM settings and permissions for the group(s). To enable DRM for the group(s) for the document library, select Enable DRM for document library and then check Copy, Print and/or Save/Send as desired. To disable DRM for the group(s) for the document library, select Disable DRM for document library. Otherwise, to have the library inherit settings from the site for the selected group(s), select Inherit site settings:

- The recommended starting point for low-trust users is to enable DRM and optionally enable copy and print. The recommended starting point for high-trust users is to disable DRM.
- If no groups are selected when you select Edit DRM Permissions, the Edit DRM Permissions dialog will include a People Editor you can use to specify which groups the settings apply to.

6. Click OK and your settings are saved. You will be able to view the new settings in the DRM Permissions column on this page:

**Adding the Previewer Column for High-Trust User Groups**

Adding a Previewer column to the document library will permit high-trust users to view documents in the browser. The Previewer column is safe for use by low-trust user groups as well, meaning that it can be added to a view of the document library that is used by both low and high-trust user groups.

Instructions to add the Prizm Preview column to a document library are in the Configuring the Previewer section.

**Disabling Ribbon & ECB Menu Actions**

If DRM is enabled for a group, but the Save/Send permission is not granted, DRM will block the 'Download a Copy', 'Send To Other Location', and 'Create Document Workspace' actions accessible through the SharePoint ribbon and ECB menu (an error page will be displayed if the user accesses these options).
If you would like to not only block these options, but also disable the ribbon buttons and remove the ECB menu items in a document library, you can follow the steps below. If you would like to make this change to all document libraries in your site, you could alternatively use the approach described at http://msdn.microsoft.com/menus/library/cc768565.aspx.

### 6.3 Enabling Prizm Configuration Tools for a Site Collection

To enable Prizm Configuration Tools for a site collection, follow these steps:

1. From the root web, go to Site Actions and select Site Settings.
2. Under Site Collection Administration, click on Site collection features.
3. Scroll down to Prizm Configuration Tools and click Activate.

The Status column displays Prizm Configuration Tools as Active.

You have successfully enabled Prizm Configuration Tools for a site collection.

### 6.4 Configuring Annotations Permissions

This section contains the following information:

- Configuring Annotations for a Site
- Configuring Annotations for a Document Library

#### 6.4.1 Configuring Annotations for a Site

To configure Annotations at the site level, follow these steps:

These site settings will apply to all document libraries in the site unless you override the settings for a document library as described on the Configuring Annotations for a Document Library page. Note that Annotation Settings will apply whether or not DRM is enabled.

1. Open the site where you want to configure Annotations.
2. Click on Site Actions, then click Site Settings.
3. Under the Prizm Configuration heading, click on Prizm Site Permissions:
   - If the Prizm Configuration heading is not available, you will need to enable Prizm Configuration Tools for the Site Collection.
4. The Prizm Permissions page for the site displays. The table on this page shows the DRM permissions and annotations permissions that are currently set for each group. Select one (or more) groups to configure for Annotations and then select Edit Annotations Permissions:

If a warning appears, see the Verifying Your Installation topic for information on how to resolve any issues.

5. The Edit Prizm Site Annotations Permissions window displays. Under Annotations Settings, select the desired site-wide annotations settings and permissions for the group(s). Check Save/Load, Annotations, or Redactions as desired:
6. Click OK and your settings are saved. You will be able to view the new settings in the Annotations Permissions column on this page:

6.4.2 Configuring Annotations for a Document Library

To configure Annotations for a Document Library, follow these steps:

When you create permission settings at the Document Library level, they will override any permission settings created at the Site level.

1. Go to the Document Library where you want to configure annotations.
2. On the Library Tools tab, select Library.
   
   If the Prizm Library Permissions button is not available, you will need to enable Prizm Configuration Tools for the Site Collection.

4. The Prizm Permissions page for the document library displays. The table on this page shows the DRM permissions and annotations permissions that are currently set for each group. Settings inherited from the site are prefixed with "Inherited:" Select one (or more) groups to configure for annotations and then select Edit Annotations Permissions.
   
   If a warning appears, see the Verifying Your Installation topic for information on how to resolve any issues.

5. The Edit Prizm Document Library Annotations Permissions window displays. Under Annotations Settings, select the desired annotations settings and permissions for the group(s). To set annotation settings for the group(s) for the document library, select Override annotation settings for document library and then Check Save/Load, Annotations, or Redactions as desired:
Otherwise, to have the library inherit settings from the site for the selected group(s), select Inherit site settings.

*If no groups are selected when you select Edit Annotations Permissions, the Edit Annotations Permissions dialog will include a People Editor you can use to specify which groups the settings apply to.*

6. Click OK and your settings are saved. You will be able to view the new settings in the Annotations Permissions column on this page.

### 6.5 Prizm Services Management

This section contains the following information:

- Configuring Prizm Global Configuration
- Implementing Tempcache Cleanup

#### 6.5.1 Configuring Prizm Global Configuration

Prizm Global Configuration is an admin page that is part of PCC for SharePoint. This page is accessed through SharePoint Central Administration and permits configuration of settings that apply throughout the farm. These settings include the hostname and port of the PCCIS, as well as the location of the tempcache folder.

Accessing the Prizm Global Configuration Page:
1. Open the SharePoint Central Administration site in a web browser.
2. Click Application Management.
3. Under the group Prizm Content Connect for SharePoint, click Prizm Global Configuration.

PCCIS Settings Group
The group of settings under the title PCCIS permits you to configure how PCC for SharePoint communicates with PCCIS:

Search Terms Path
Use this to specify a search terms path on the PCC server to supply preloaded Search terms to the viewer. Please see the Prizm Content Connect help file for more information on this topic at http://www.accusoft.com/manuals.htm.

Web Service Scheme
Use this to define whether your site will communicate with PCC over HTTP or HTTPS.

Hostname
The hostname setting specifies the hostname of PCCIS.

By default the value of this setting is “localhost”, which is appropriate for single-server topologies. In other words, “localhost” is an appropriate value when PCC is installed on the same server as SharePoint.
This setting can be set to the hostname or IP of another machine that hosts PCCIS in order to support a multi-server topology. However, setting up a multi-server topology requires some additional configuration of PCC. For more information on setting up a multi-server topology, see the Installation Guide.

This setting should not include a protocol, port number, or trailing slashes. The following examples are invalid values for this setting: “http://localhost”, “pcc.mydomain.com/”, and “pcc.mydomain.com:18680”.

**Port**
The port setting specifies the port of PCCIS for handling the viewing of documents.

By default the value of this setting is “18681”. In most cases this value will be appropriate. However, in rare cases you may need to change the port of PCCIS. If you change the port of PCCIS, then you will have to update this setting with the new port number.

**Proxy Port**
The port setting specifies the port of PCC’s Proxy Server that handles conversion of documents to PDF with or without redaction.

By default the value of this setting is “18680”. In most cases this value will be appropriate. However, in rare cases you may need to change the port of Proxy Server. If you change the port of Proxy Server, then you will have to update this setting with the new port number.

**Tempcache Location**
The tempcache location setting specifies the location of the tempcache folder. This value must be a fully qualified path to a directory. It supports UNC path names.

By default, the value of this setting is evaluated from “%allusersprofile%\Accusoft\Prizm\Cache”. Typically, that expression will evaluate to “C:\ProgramData\Accusoft\Prizm\Cache”, but it is dependent on the environment variables.

The default value is appropriate for single-server topologies. In other words, the default value is appropriate when PCC is installed on the same server as SharePoint.

To support multi-server topologies this setting can be changed to the path of a network share. The path must be valid and point to the same shared folder for all servers in the multi-server topology, including the PCC server.

**Important!** Permissions must be set correctly for the tempcache folder. If you are planning on changing the location of the tempcache folder used by PCC for SharePoint, you must set the appropriate permissions for that folder in addition to setting the tempcache location as described below.

The following permissions are required for the tempcache folder:
The Prizm service account must have permission to modify the tempcache folder.

Web application pool identities must have permission to modify the tempcache folder.

For a guided walkthrough of setting up a multi-server topology and the tempcache, including setting the tempcache permissions, see the Installation Guide.

### 6.5.2 Implementing Tempcache Cleanup

**Introduction**

Over time, the tempcache will be filled with various renditions of documents, including both the original rendition of documents and converted renditions of documents. Both PCC for SharePoint and PCC will write to this folder, but neither is responsible for cleaning up old files in the folder. Tempcache cleanup is the process of maintaining the content of this folder.

Implementing tempcache cleanup requires defining a retention policy. The retention policy can define what conditions the files are kept in the tempcache and what conditions they are removed from the tempcache. A retention policy should balance performance, security, and storage considerations:

- Performance considerations essentially come down to the fact that if a document rendition is already in the tempcache, then no additional processing needs to be done to obtain the document.
- Security considerations are based around limiting the risk of unauthorized access to the tempcache. If files are held longer in the tempcache, then there is potentially more data exposed on unauthorized access to the tempcache.
- Storage considerations are based on the cost to store data.

A basic tempcache cleanup policy and implementation is defined below. These may be followed or you can choose a different implementation that better meets your needs:

**Retention Policy**

All documents will be removed from the tempcache after 24 hours, with a 1 hour grace period.

**Cleanup Implementation**

The Prizm Cache Manager tool can be used to implement the retention policy. This tool ships and installs with Prizm Content Connect and is located in the “CacheManager” folder of the Prizm installation directory, for example: C:\Prizm\CacheManager.

To implement the given retention policy with the Prizm Cache Manager, use the following settings:

- Directory: <your tempcache folder>
- Extensions: **.*
• Size limit: 10 GB
• Delete files older than: 24 hours
• Run cleanup every: 1 hour

6.6 Troubleshooting Tips
This section contains the following information:

• Verifying Your Installation
• FAQs

6.6.1 Verifying Your Installation
This section outlines a few techniques for verifying the status of your installation. At this point you should have completed one of the guides for Installing PCC for SharePoint.

Before You Begin
Before you begin to verify your installation, clear files from the tempcache folder. Clearing the files from the tempcache folder will ensure that the full scope of product functionality is tested.

For Prizm Content Connect for SharePoint version 7.0 (and later), the default location of the tempcache is:

• %allusersprofile%\Accusoft\Prizm\Cache\. You can verify this is the location that your Prizm Content Connect for SharePoint installation is using, or you can change the location of the tempcache by following the instructions in the Configuring Prizm Global Configuration section.

Test 1: Manual View
1. Open a Document Library in Internet Explorer. The library must contain at least one document.
2. Login as a user that has permission to view the library.
3. Right-click on the name of the document in the Name column and select Copy shortcut from the Context menu. This will give a fully qualified URL for the document you are going to view.
4. Open a new browser tab or window.
5. In the URL bar enter the following:


   For Example:

6. The file that opens should open in a full screen iteration of PCC’s HTML5 viewer.

If the viewer or the document does not display correctly, refer to the FAQ at http://learn.accusoft.com/faq.html.

Test 2: Check for Notifications
1. Open a site collection in Internet Explorer.
2. Log in as a site collection administrator.
3. Open Site Actions > Site Settings.
4. Under the section Site Collection Administration, click Site Collection Features.
5. Activate the feature Prizm Configuration Tools if it is not active.
6. Open Site Actions > Site Settings.
7. Under the section Prizm Configuration, click Prizm Site Permissions.
8. Look for notifications just below the ribbon. Address each notification as they may indicate a problem that will prevent correct functionality.

6.6.2 FAQs

Question:
I've enabled DRM for a group on a document library, but when a user of that group click's on the document name they are not redirected and are able to download the document.

Answer:
Check that the Prizm Digital Rights Management web application feature is activated.

Question:
I've enabled the Prizm Digital Rights Management web application feature but users are still able to download the document by clicking on the document name link.

Answer:
Check that DRM is turned on for the user group and library that you are testing with. This can be checked by opening the Prizm Library Settings page: open this from the Library Tools > Library Ribbon under the Settings group. From this page, you can check if DRM is turned on for the group on the library; if it is not you will need to enable it.

For additional answers to your frequently asked questions, refer to the FAQs section on our website at http://learn.accusoft.com/faq.html.