# KeyView Thumbnail Generator

Software Version 12.2.0

## Release Notes

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The title page of this document contains the following identifying information:

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# **Contents**

# KeyView Thumbnail Generator

The KeyView Thumbnail Generator is a command-line tool that allows you to produce JPG thumbnail images of the first page of any supported document, with a maximum resolution of 800 x 800 pixels.

# New in this Release

There were no new features in KeyView Thumbnail Generator version 12.2.0.

# Resolved Issues

The following issues were resolved in KeyView Thumbnail Generator version 12.2.0.

- Date values in an Excel (XLSX) spreadsheet that were formatted as system dates were output as numeric values.

- KeyView failed to process some Microsoft Word documents.

- Some images could be output with one incorrect color if the source document encoded images in a particular way.

- When rendering charts on Linux, KeyView could generate an image where the size of the legend exceeded the size of the chart.

- The output from some Microsoft Word (.doc) files contained some meaningless text.

- KeyView failed to process some Microsoft Excel (.xlsx) files with merged cells.

- Some output could be missing from documents that contained an invalid `</script>` tag.

- In some circumstances, KeyView could fail to process some Excel documents that contained text boxes.

# Requirements

This section describes the system requirements, supported platforms, and software dependencies for KeyView Thumbnail Generator 12.2.0.

## Software Dependencies

The following software is required for KeyView Thumbnail Generator 12.2.0:

- Java Runtime Environment 1.5

- Java Advanced Imaging Image I/O 1.1 (for Java Runtime Environment)

## Configuration Requirements

The following are the configuration requirements for KeyView Thumbnail Generator 12.2.0

- Java binary in the PATH environment on UNIX and Windows.

- Java class environment variable.

- On Solaris 32-bit, 64-bit, and SPARC 64-bit systems, set the `LD_LIBRARY_PATH` to identify `libstlport.so` before you run the installer.

## Supported Operating System Platforms

The following operating system platforms are supported by KeyView Thumbnail Generator 12.2.0:

- Microsoft Windows Vista Business Edition x86 and x64. Other editions of Vista have not been tested, but are likely supported.

- Microsoft Windows 2008 Server Enterprise Edition x86 and x64

- Microsoft Windows 2008 Server R2

- Microsoft Windows 7 x86 and x64

- Microsoft Windows 8 x86 and x64

- Sun Solaris 9.0, and 10 SPARC, using the stlport4 library

- Sun Solaris 10 x86 and x64, using the stlport4 library

- SuSE Linux Enterprise Server 10 x86 and x64, using the libc6 library

- Red Hat Enterprise Linux 5.0 x86 and x64, using the libc6 library

- Red Hat Enterprise Linux 6.0 x86 and x64, using the libc6 library

The documented platforms are the recommended and most fully tested platforms for KeyView Thumbnail Generator. Other platforms may be supported and Micro Focus can provide support for other platforms on request.

# Installation

This section describes how to install the KeyView Thumbnail Generator.

## Windows Installation

**To install the Thumbnail Generator**

1. Run the installation program for the appropriate platform.

   The Setup dialog box opens.

2. Read the installation instructions and click **Next**.

   The License Agreement dialog box opens.

3. Read the agreement. If you agree to the terms, click **I accept the agreement** and click **Next**.

   The Installation directory dialog box opens.

4. Choose the folder where you want to install the KeyView Thumbnail Generator, and click **Next**.

   The License Key dialog box opens.

5. Type the company name and license key that were provided when you purchased KeyView Thumbnail Generator and click **Next.**

   - The company name is case sensitive.

   - The license key is a string containing 31 characters.

6. Read the pre-installation summary. If you are satisfied with the settings, click **Next**.

   The KeyView Thumbnail Generator is installed.

7. Click **Finish**.

## UNIX Installation

**To install the Thumbnail Generator from the graphical interface**

- Run the installation program and follow the on-screen instructions.

**To install the Thumbnail Generator from the console**

1. Run the installation program from the console as follows:

   `./KeyviewThumbnailGenerator_VersionNumber_Platform.exe --mode text`

   where:

   *VersionNumber*   is the product version.

   *Platform*        is the name of the platform.

2. Read the welcome message and instructions and press `Enter`.

   The first page of the license agreement is displayed.

3. Read the license information, pressing `Enter` to continue through the text. After you finish reading the text, and if you accept the agreement, type **Y** and press `Enter`.

   You are asked to choose an installation folder.

4. Type an absolute path or press `Enter` to accept the default location.

   You are asked for license information.

5. At the **Company Name** prompt, type the company name that was provided when you purchased KeyView Thumbnail Generator, and then press `Enter`. The company name is case sensitive.

6. At the **License Key** prompt, type the license key that was provided when you purchased KeyView Thumbnail Generator, and then press `Enter`. The license key is a string that contains 31 characters.

   The Pre-Installation summary is displayed.

7. If you are satisfied with the information displayed in the summary, press `Enter`.

   The KeyView Thumbnail Generator is installed.

# Operation

This section describes how to use the KeyView Thumbnail Generator.

**To generate a JPG thumbnail**

- From a command line, run the Thumbnail Generator executable file with the following syntax:

  ```
  TGfile -optionxPixelsyPixelsinputfileoutputfile.jpg
  ```

  where,

  - *TGfile* is the executable file (the extension may vary depending on your operating system).

  - *xPixels* is the width of the thumbnail in pixels. The maximum value is 800.

  - *yPixels* is the height of the thumbnail in pixels. The maximum value is 800.

  - *inputfile* is the name of the source file used to generate the thumbnail.

  - *outputfile*.jpg is the name of the JPG thumbnail. The full path to the output file can be specified. If no path is specified, the thumbnail is generated in the same directory as the executable.

  - *option* is one or both of the following optional parameters:

    - `jmaxheap` *N* specifies the Java maximum heap size. N is a number from 1 to 8192 (megabytes). By default, the maximum heap size is 1024 megabytes (1 gigabyte).

    - `noblur` disables the blur effect when a thumbnail image is resized.

  For example:

  ```
  AutnThumbnail.exe -noblur 200 266 test.doc testthumb.jpg
  ```

# Supported Formats

This section lists the formats supported by KeyView Thumbnail Generator.

## Computer-Aided Design Formats

**Supported CAD formats**

| Format | Version | Extension |
|---|---|---|
| AutoCAD Drawing | R13, R14, R15/2000, 2004, 2007, 2010, 2012, 2013 | DWG |
| AutoCAD Drawing Exchange | n/a | DXF |
| Microsoft Visio | 2003, 2007, 2010 | VSD VSS VST |

## Database Formats

**Supported database formats**

| Format | Version | Extension |
|---|---|---|
| dBase Database | III+, IV | DBF |
| Microsoft Access | 95, 97, 2000, 2002, 2003, 2007, 2010, 2013 | MDB, ACCDB |
| Microsoft Project | 2000, 2002, 2003, 2007, 2010, 2013 | MPP |

## Desktop Publishing

**Supported display formats**

| Format | Version | Extension |
|---|---|---|
| Microsoft Publisher | 98 to 2013 | PUB |

# Display Formats

**Supported display formats**

| Format | Version | Extension |
|---|---|---|
| Adobe PDF | 1.1 to 1.7 | PDF |

# Graphic Formats

**Supported graphic formats**

| Format | Version | Extension |
|---|---|---|
| Computer Graphics Metafile | n/a | CGM |
| CorelDRAW[1] | through 9.0<br>10, 11, 12, X3 | CDR |
| DCX Fax System | n/a | DCX |
| Encapsulated PostScript (raster) | TIFF header | EPS |
| Enhanced Metafile | n/a | EMF |
| GIF | 87, 89 | GIF |
| JBIG2 | n/a | JBIG2 |
| JPEG | n/a | JPEG |
| JPEG 2000 | n/a | JP2, JPF, J2K, JPWL, JPX, PGX |
| Lotus AMIDraw Graphics | n/a | SDW |
| Lotus Pic | n/a | PIC |
| Macintosh Raster | 2 | PIC<br>PCT |
| MacPaint | n/a | PNTG |
| Microsoft Office Drawing | n/a | MSO |

[1]CDR/CDR with TIFF header.

**Supported graphic formats, continued**

| Format | Version | Extension |
|---|---|---|
| PC PaintBrush | 3 | PCX |
| Portable Network Graphics | n/a | PNG |
| SGI RGB Image | n/a | RGB |
| Sun Raster Image | n/a | RS |
| Tagged Image File | through 6.0[1] | TIFF |
| Truevision Targa | 2 | TGA |
| Windows Animated Cursor | n/a | ANI |
| Windows Bitmap | n/a | BMP |
| Windows Icon Cursor | n/a | ICO |
| Windows Metafile | 3 | WMF |
| WordPerfect Graphics 1 | 1, 2, 7 | WPG |

# Presentation Formats

**Supported presentation formats**

| Format | Version | Extension |
|---|---|---|
| Apple iWork Keynote | 2, 3, '08, '09 | GZ |
| Applix Presents | 4.0, 4.2, 4.3, 4.4 | AG |
| Corel Presentations | 6, 7, 8, 9, 10, 11, 12, X3 | SHW |
| Extensible Forms Description Language | n/a | XFD XFDL |
| Lotus Freelance Graphics | 96, 97, 98, R9, 9.8 | PRZ |
| Lotus Freelance Graphics 2 | 2 | PRE |
| Macromedia Flash | through 8.0 | SWF |

[1]The following compression types are supported: no compression, CCITT Group 3 1-Dimensional Modified Huffman, CCITT Group 3 T4 1-Dimensional, CCITT Group 4 T6, LZW, JPEG (only Gray, RGB and CMYK color space are supported), and PackBits.

**Supported presentation formats, continued**

| Format | Version | Extension |
|---|---|---|
| Microsoft OneNote | 2007, 2010, 2013 | ONE |
| Microsoft PowerPoint Macintosh | 98, 2001, v.X, 2004 | PPT<br>PPS<br>POT |
| Microsoft PowerPoint PC | 4 | PPT |
| Microsoft PowerPoint Windows | 95, 97, 2000, 2002, 2003 | PPT<br>PPS<br>POT |
| Microsoft PowerPoint Windows XML | 2007, 2010, 2013 | PPTX<br>PPTM<br>POTX<br>POTM<br>PPSX<br>PPSM<br>PPAM |
| OASIS Open Document Format | 1, 2[1] | SXD<br>SXI<br>ODG<br>ODP |
| OpenOffice Impress | 1, 1.1 | SXI<br>SXP<br>ODP |
| StarOffice Impress | 6, 7 | SXI<br>SXP<br>ODP |

# Spreadsheet Formats

**Supported spreadsheet formats**

| Format | Version | Extension |
|---|---|---|
| Apple iWork Numbers | '08, '09 | GZ |

[1]Generated by OpenOffice Impress 2.0, StarOffice 8 Impress, and IBM Lotus Symphony Presentation 3.0.

**Supported spreadsheet formats, continued**

| Format | Version | Extension |
|---|---|---|
| Applix Spreadsheets | 4.2, 4.3, 4.4 | AS |
| Comma Separated Values | n/a | CSV |
| Corel Quattro Pro | 5, 6, 7, 8 | WB2<br>WB3 |
| Data Interchange Format | n/a | |
| Lotus 1-2-3 | 2, 3, 4, 5, 96, 97, R9, 9.8 | WK4<br>123 |
| Lotus 1-2-3 Charts | 2, 3, 4, 5 | 123 |
| Microsoft Excel Charts | 2, 3, 4, 5, 6, 7 | XLS |
| Microsoft Excel Macintosh | 98, 2001, v.X, 2004 | XLS |
| Microsoft Excel Windows | 2.2 through 2003 | XLS<br>XLW<br>XLT<br>XLA |
| Microsoft Excel Windows XML | 2007, 2010, 2013 | XLSX<br>XLTX<br>XLSM<br>XLTM<br>XLAM |
| Microsoft Office Excel Binary Format | 2007, 2010, 2013 | XLSB |
| Microsoft Works Spreadsheet | 2, 3, 4 | S30<br>S40 |
| OASIS Open Document Format | 1, 2[1] | ODS<br>SXC<br>STC |
| OpenOffice Calc | 1, 1.1 | SXC<br>ODS<br>OTS |
| StarOffice Calc | 6, 7 | SXC<br>ODS |

[1]Generated by OpenOffice Calc 2.0, StarOffice 8 Calc, and IBM Lotus Symphony Spreadsheet 3.0.

# Text and Markup Formats

**Supported text and markup formats**

| Format | Version | Extension |
|---|---|---|
| ANSI | n/a | TXT |
| ASCII | n/a | TXT |
| HTML | 3, 4 | HTM |
| Microsoft Excel Windows XML | 2003 | XML |
| Microsoft Word Windows XML | 2003 | XML |
| Microsoft Visio XML | 2003 | VDX VTX |
| MIME HTML | n/a | MHT |
| Rich Text Format | 1 through 1.7 | RTF |
| Unicode HTML | n/a | HTM |
| Unicode Text | 3, 4 | TXT |
| XHTML | 1.0 | HTM |
| XML (generic) | 1.0 | XML |

# Word Processing Formats

**Supported word processing formats**

| Format | Version | Extension |
|---|---|---|
| Adobe FrameMaker Interchange Format | 5, 5.5, 6, 7 | MIF |
| Apple iChat Log | 1, AV 2 AV 2.1, AV 3 | ICHAT |
| Apple iWork Pages | '08, '09 | GZ |
| Applix Words | 3.11, 4, 4.1, 4.2, 4.3, 4.4 | AW |
| Corel WordPerfect Linux | 6.0, 8.1 | WPS |

**Supported word processing formats, continued**

| Format | Version | Extension |
|---|---|---|
| Corel WordPerfect Macintosh | 1.02, 2, 2.1, 2.2, 3, 3.1 | WPS |
| Corel WordPerfect Windows | 5, 5.1, 6, 7, 8, 9, 10, 11, 12, X3 | WO WPD |
| DisplayWrite | 4 | IP |
| Folio Flat File | 3.1 | FFF |
| Fujitsu Oasys | 7 | OA2 |
| Haansoft Hangul | 2002, 2005, 2007 | HWP |
| Health level7 | 2.0 | HL7 |
| IBM DCA/RFT (Revisable Form Text) | SC23-0758-1 | DC |
| JustSystems Ichitaro | 8 through 2013 | JTD |
| Lotus AMI Pro | 2, 3 | SAM |
| Lotus AMI Professional Write Plus | 2.1 | AMI |
| Lotus Word Pro | 96, 97, R9 | LWP |
| Lotus SmartMaster | 96, 97 | MWP |
| Microsoft Word Macintosh | 4, 5, 6, 98, 2001, v.X, 2004 | DOC DOT |
| Microsoft Word PC | 4, 5, 5.5, 6 | DOC |
| Microsoft Word Windows | 1, 2, 6, 7, 8, 95, 97, 2000, 2002, 2003 | DOC DOT |
| Microsoft Word Windows XML | 2007, 2010, 2013 | DOCM DOCX DOTX DOTM |
| Microsoft Works | 2, 3, 4, 6, 2000 | WPS |
| Microsoft Windows Write | 1, 2, 3 | WRI |
| OASIS Open Document Format | 1, 2[1] | ODT SXW STW |

[1]Generated by OpenOffice Writer 2.0, StarOffice 8 Writer, and IBM Lotus Symphony Documents 3.0.

**Supported word processing formats, continued**

| Format | Version | Extension |
|---|---|---|
| Omni Outliner | v3, OPML, OOutline | OO3 OPML OOUTLINE |
| OpenOffice Writer | 1, 1.1 | SXW ODT |
| Open Publication Structure eBook | 2.0, 3.0 | EPUB |
| StarOffice Writer | 6, 7 | SXW ODT |
| Skype Log | 3 | DBB |
| WordPad | through 2003 | RTF |
| XML Paper Specification | n/a | XPS |
| XyWrite | 4.12 | XY4 |
| Yahoo! Instant Messenger | n/a | DAT |