mindleads
Technology

JobMaster

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Contents

Copyright

Document Conventions

Icons

Icon	Meaning
	Note
	Caution
	Tip

Typographic Conventions

Type Style	Represents
Example text	Characters or words cited according to the user interface.
`Example text`	Symbolizes an exact user input, for example file names, folder names, variable names or parameter names.
`<Example text>`	Characterizes a variable user input. Pointed brackets indicate that you replace these words or characters with appropriate entries.

Introduction

JobMaster is a powerful task scheduler with built-in conversion and file replication functions. It automatically converts files or documents through entire directory structures into numerous file-formats. JobMaster can manage over 250 different file conversions.

JobMaster is also used to schedule operations such as directory replication, moving of directories, and converting files into different file formats. Jobs can be configured to start automatically after a defined period of time, or daily at any chosen time. JobMaster does not only support local- and network drives but also serves FTP-Servers with its built in FTP-Client.

JobMaster makes it easy to keep your website up-to-date, replicates your directories and converts your business documents or directory structures to more than 40 different file formats. Not only does JobMaster replicate and convert, but also delete files and directories.

Moreover, JobMaster is able to start files automatically. Besides regular executable files such as .exe or .bat, JobMaster is able to start any file type that is registered in the Windows operating system.

Internally, JobMaster offers an open and modularly constructed architecture. Through Smart Queue Technology, jobs are embedded in a so-called *Job Engine* circle, which ensures the maintenance of the sequential processing of the job queue, even if a job takes more time than initially planned. The internal file buffer *Internal File Storage* guarantees highest stability, even with slow network connections. The monitoring interface *Watchdog* provides job integrity, even in case of failing file conversions.
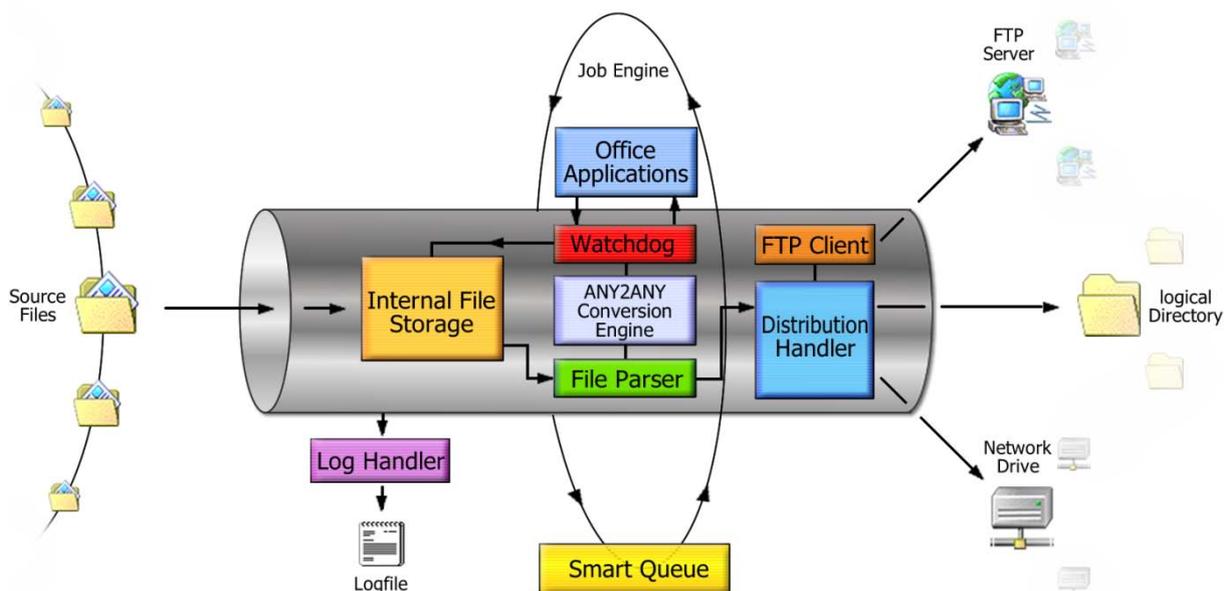
System Requirements

Hardware

The following hardware equipment is necessary for installation and use of JobMaster software:

Minimum:

- Pentium or similar Processor 800 MHZ
- 256 MB of RAM
- 100 MB free disk space for installation and use
- CD-ROM drive, if you install JobMaster by CD-ROM
- Display resolution of 1024 x 768 pixel, 256 colors

Recommended:

- Pentium or similar Processor 2 GHZ or higher
- 1024 MB of RAM or more
- 1 GB free disk space for installation and use
- CD-ROM drive, if you install JobMaster by CD-ROM
- Display resolution of 1280 x 1024 pixel, 65536 colors

Software

JobMaster runs on following operating systems:

- Microsoft Windows 2000
- Microsoft Windows XP
- Microsoft Windows Vista
- Microsoft Windows 2003 Server

Additional software:

- Microsoft Office 2003 or higher, if you plan to convert files into different formats
- Microsoft Excel 2003 or higher, if you plan to convert Excel-files into XML files
- Microsoft Word 2003 or higher, if you plan to convert Word documents into XML files
- Adobe Acrobat 6.0 or higher, if you plan to convert files into PDF format
- Internet Explorer 6.0 or higher

Windows 2000 / 2003 / XP / Vista require computer administrator rights to do the installation.

Install JobMaster

Normally, the installation process runs without interruption. Depending on the version of your operating system, it may be necessary to update some system components. The installation program automatically detects the required system components and downloads them from the internet if necessary. If you do not have access to the internet, please contact the support-team of Mindleads Technology.

Install from CD-ROM

- Close all windows and /or programs. Insert the JobMaster CD-ROM.

- Wait until the JobMaster installation-software starts. Depending on your hardware equipment this process can take a few seconds up to one minute.

Install by Archive File

- Double-click the file `JobMaster400.exe`.

- Wait until the JobMaster installation-software starts. Depending on your hardware equipment, this process can take a few seconds up to one minute.

The installation-software detects already installed versions. If JobMaster is already installed, the version will be updated.

Make sure to quit any running instances of JobMaster before starting the installation process. To do so, click the icon in the taskbar with the right mouse button and select `Exit` from the appearing menu.

Installation Process

1. The window below appears. Click *Next* to start the installation.

2. Carefully read the license agreement and select *I accept the terms in the license agreement* if you agree to the license conditions.

Click *Next* to continue.
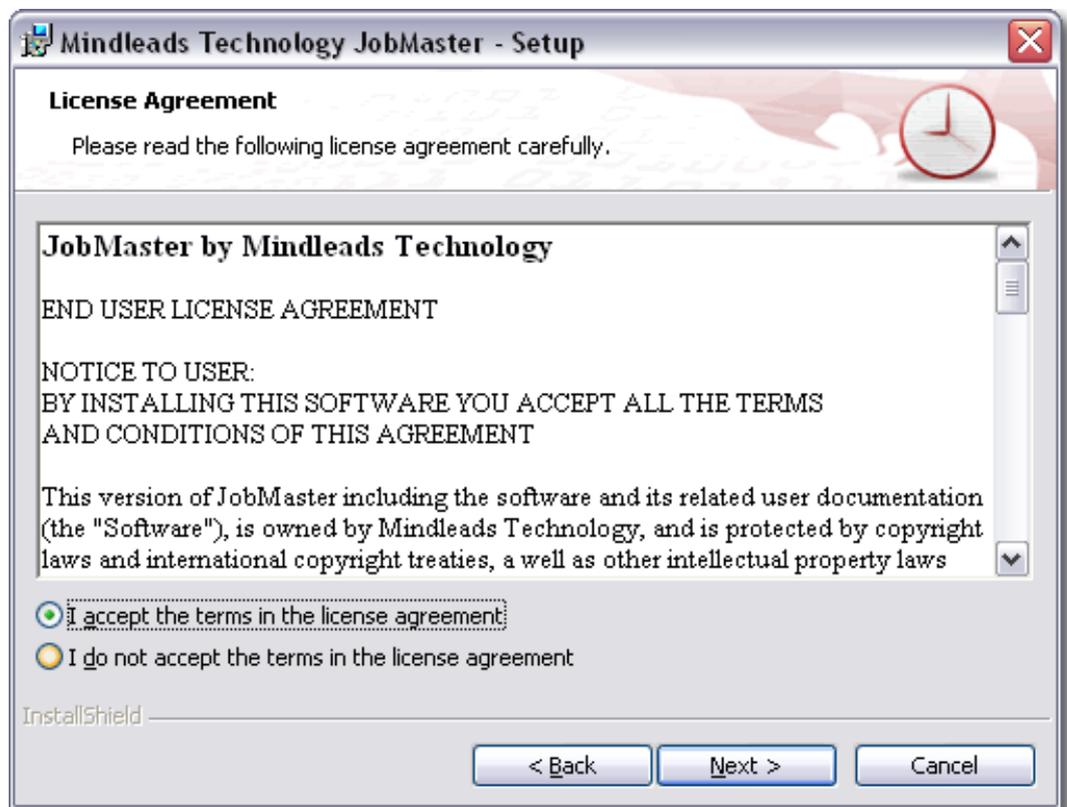
3. Enter your full name and organization in the text boxes *User Name* and *Organization*.

Normally, JobMaster is installed for all users. Choose *Only for me* if you want to install JobMaster only for the currently logged-in user. This provides that the program-icon in the start menu is not visible for other users.

Click *Next* to continue.
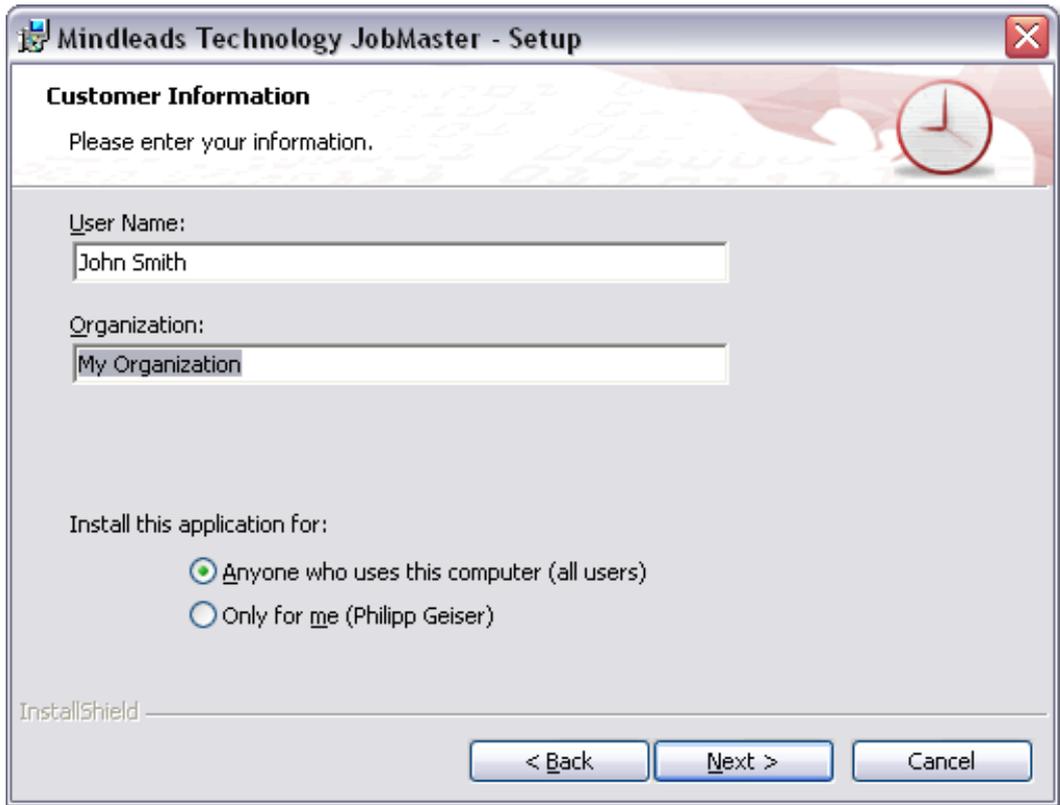
4. Select the language for program documentation and online help. You can choose either English or German. This setting does not affect the language of the program; it refers only to the documentation.

Click *Next* to continue.
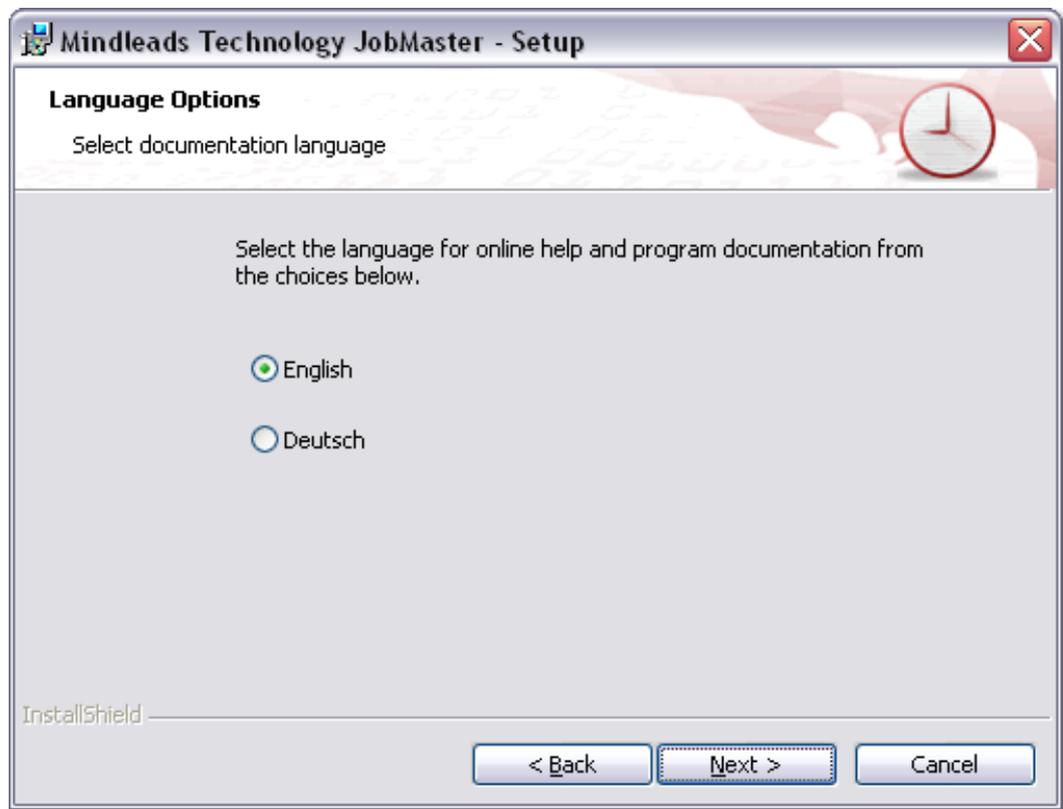
5. You can change the directory in which JobMaster will be installed. The setup program suggests to install JobMaster in your standard program files folder.

In order to install JobMaster in a different directory, select *Custom* and enter the path you prefer in the appearing window.

The installation software creates a program icon on your desktop. Deactivate *Create program icon on desktop*, if you don't want a program icon on the desktop.

Click *Next* to continue.
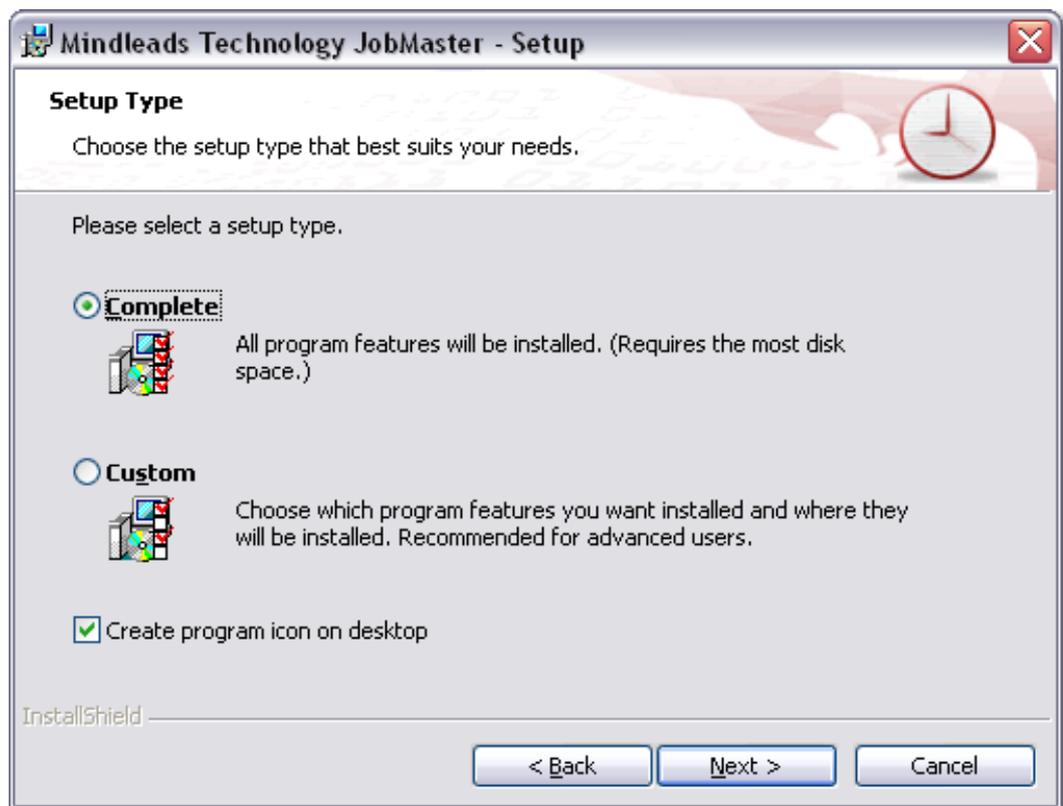
6. Click *Install* to start copying the files. If the installation program indicates any running program, try to close them.
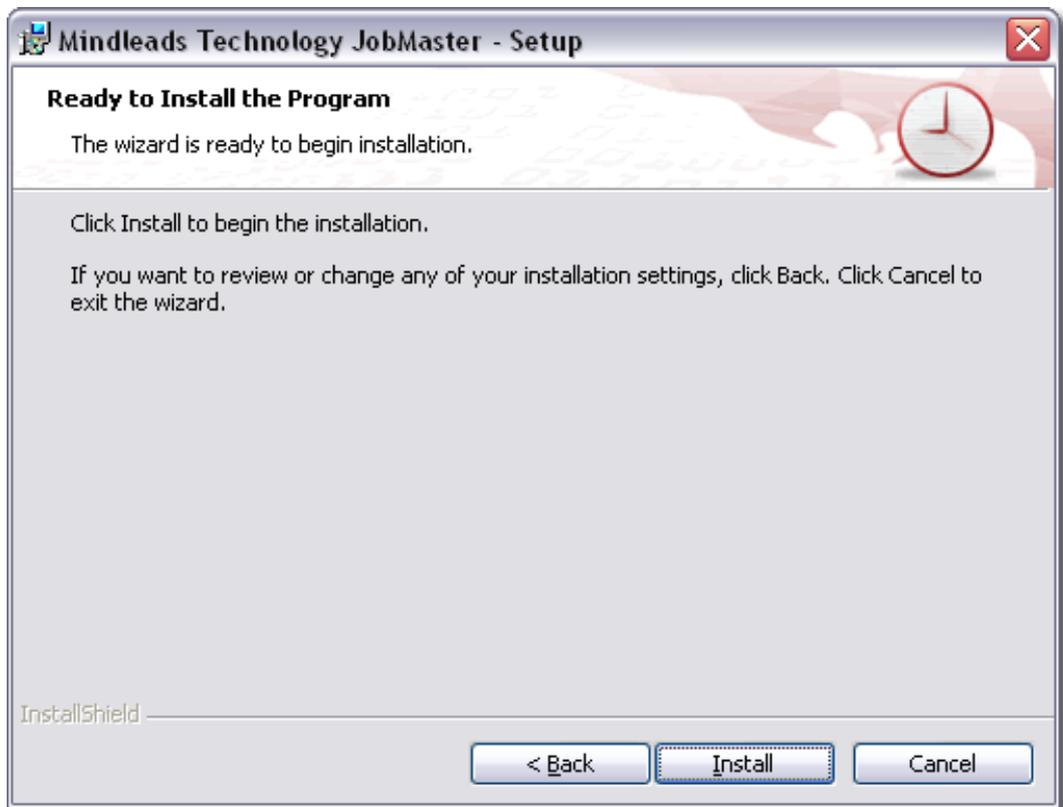
7. Wait until the installation has completed and click *Finish*.

In order to start JobMaster immediately, enable the check box *Launch the program* and click *Finish*.

8. JobMaster is now installed. To complete the installation, it may be necessary to restart your system. The installation program will notify you if a system restart is required.

Getting Started

Before you start using JobMaster, we highly recommend to familiarize with the functions of the toolbar. It enables you to navigate and handle JobMaster very easily.

Icons	Meaning
Start Job	Starts a job for automatic operation (*Start*)
Stop Job	Deactivates a job (*Stop*)
Run Job	Runs a job (*Run*)
End Job	Cancels the current job (*Cancel*)
Properties	Job properties (*Properties*)
Delete	Deletes a job (*Delete*)
Views ▾	Views (*Tiles, Small Icons, Details*)
LogViewer	Show recent messages (*LogViewer*)
Options	JobMaster Configuration (Options)
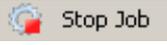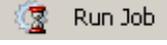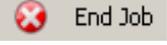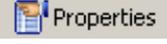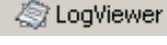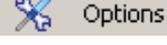
Using JobMaster

Before you can use JobMaster, you have to create at least one job. To start JobMaster, click the ⏱ icon which has been automatically installed on your desktop or select it from the start menu [START / Programs / JobMaster / JobMaster].

The JobMaster console appears. Double-click *Add Job* or select *Add Job* in the *File* menu to add a job.
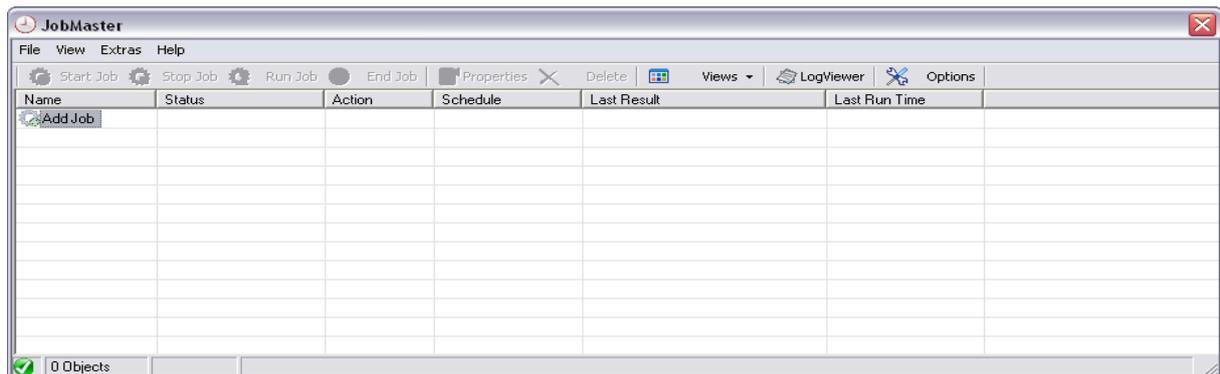
Create Jobs

Enter Job Name

Enter any name in the text box *Job name*. It is recommended to use a descriptive name.
Example: <Publish Documents>
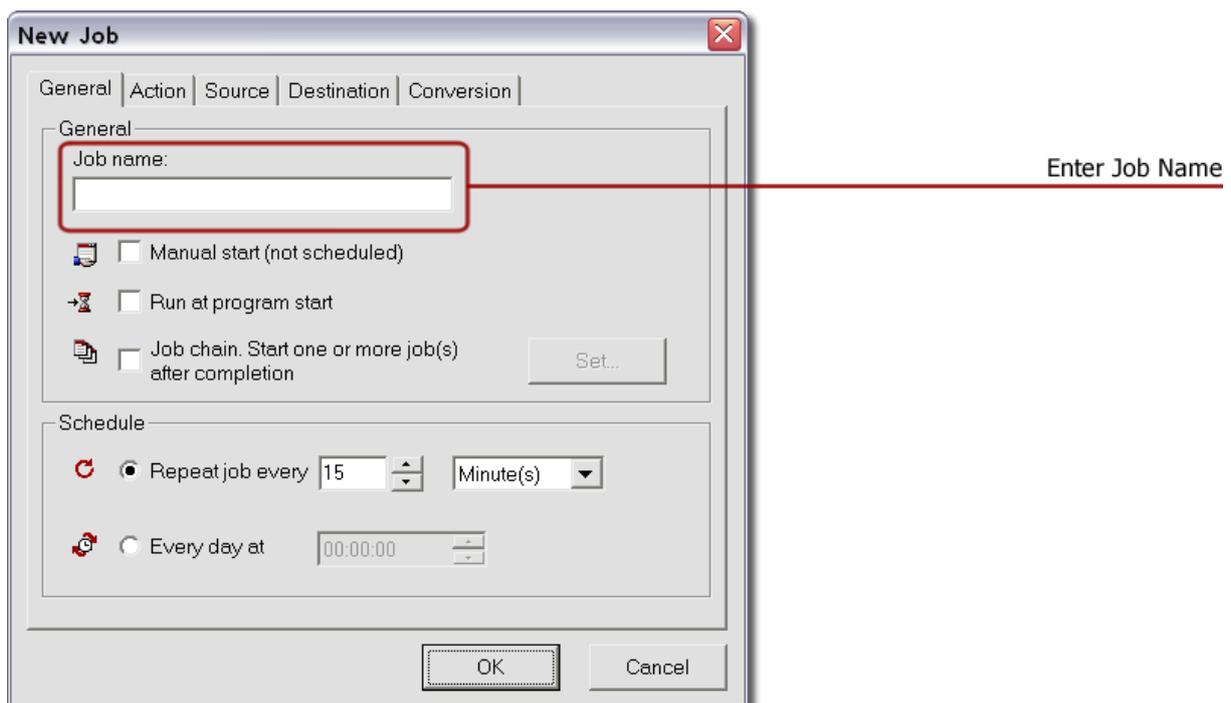
Define Job Startup

Use the *General* tab to set an automatic or manual execution for the jobs. Choose any of the following options:

- Manual start: The user manually starts the job.

- Run at program start: The job starts as soon as the JobMaster Software will be started.

- Automatic start by interval: The job starts according to the entered interval. You can vary the length of the interval from 1 minute up to 3 weeks. Choose any of the following intervals:
  1 – 59 minutes
  1 – 24 hours
  1 – 21 days
  1 – 3 weeks

- Daily start by time: This starts the job daily at a defined time.
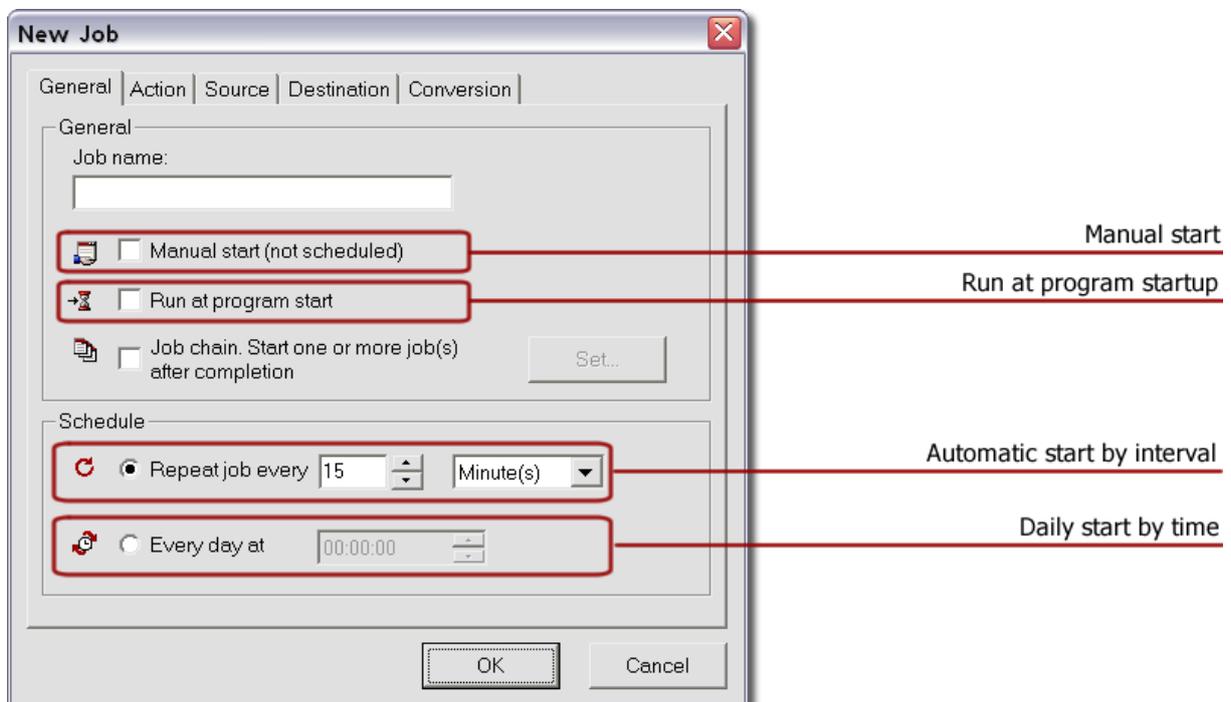
If two or more jobs are overlapping in time, the next job starts automatically after the current job has finished operating.

Define Job Chain

With Job Chain Option you can daisy chain one or more jobs. In order to enable Job Chain, click the checkbox *Job chain* and then click *Set*.
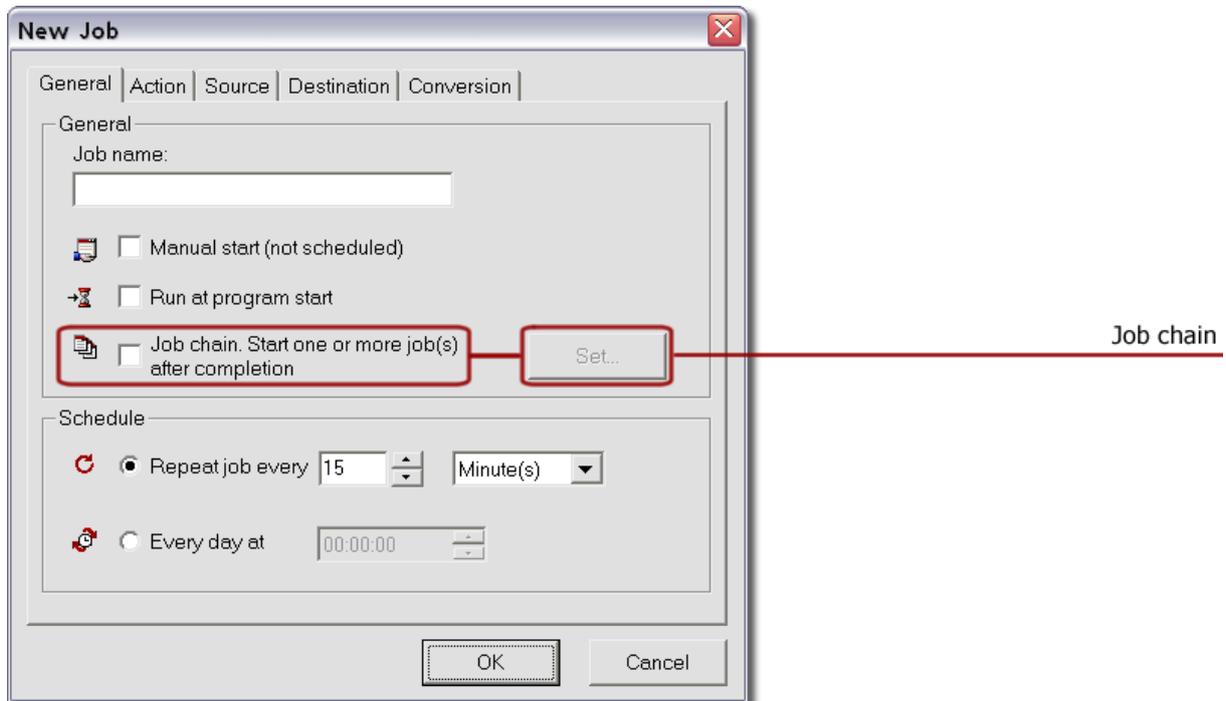
The job displayed in blue color is the current job, represented by sequence no. 1. All following jobs in list will be executed automatically.
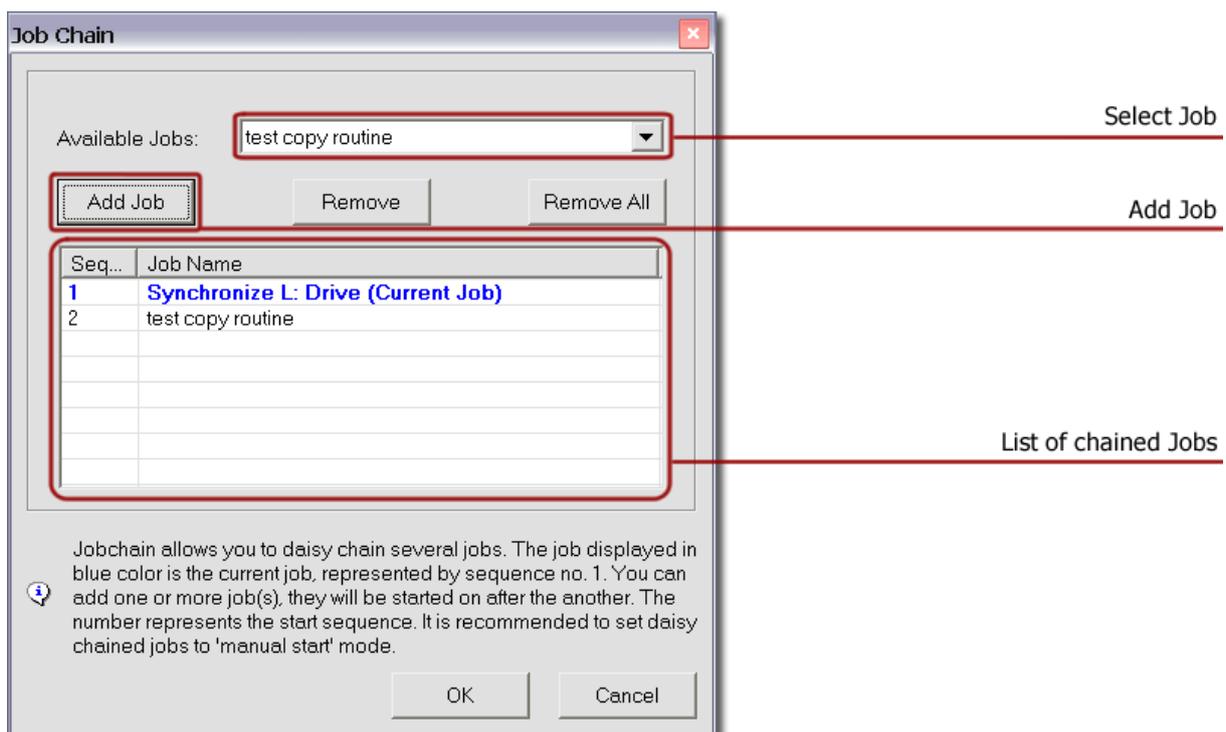
Set Actions

Use the *Action* tab to select an action for the current job. Choose any of the following options:

- **Copy / Copy and convert**
  Copies files from the specified source drive to a destination directory. If you choose any conversion for this action, JobMaster will first convert the corresponding files, and then copy them in the destination drive.

- **Move / Move and convert**
  This action moves files from the specified source drive to a destination directory. The files will be copied to a temporary directory first, and will be deleted later in the source directory, if the copy process was successful. If you choose any conversions for this action, JobMaster will first convert the matching files, then copy them to the destination drive and delete them in the source drive after successful copying.

- **Convert only**
  This action only converts files that correspond to the file extensions you have selected under *Conversion*. For example, if you have selected the conversion for .doc and .xls, the matching files of the source drive will be converted rather than copied. To use this action you must select at least one conversion.
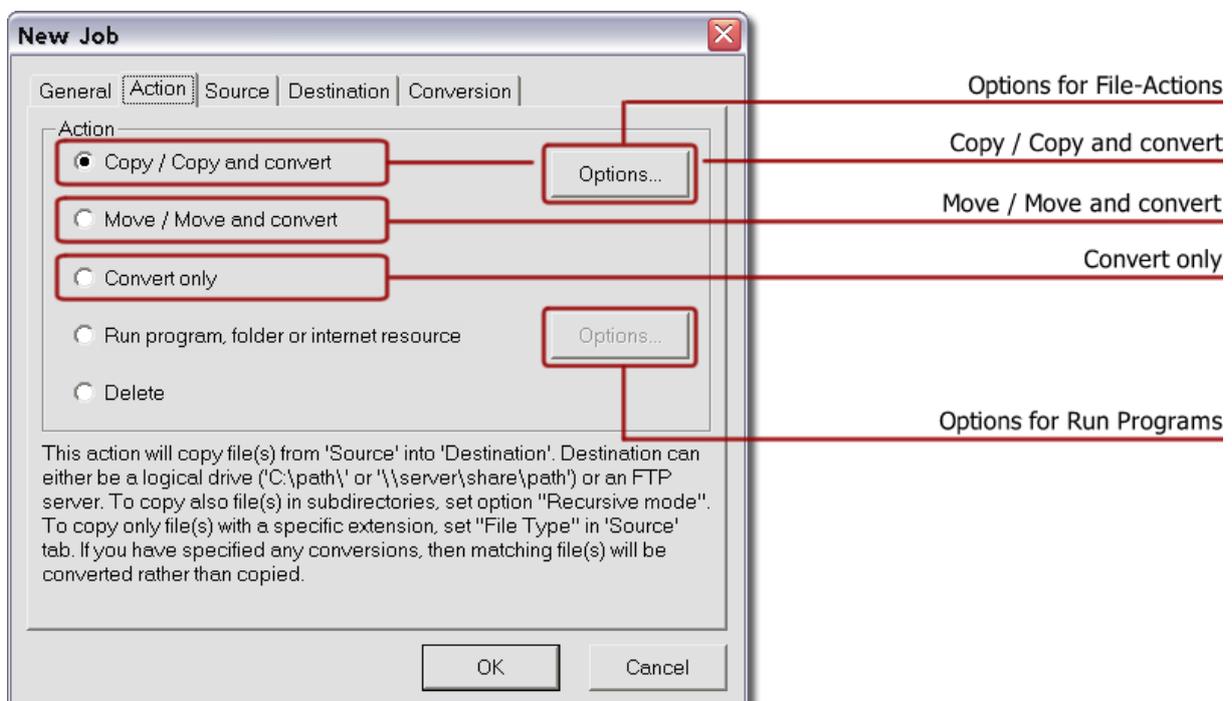
- **Run program, folder or internet resource**

  Run any program, file, folder or internet resource. Not only can you run any executable file like .exe, .bat or .cmd, it also possible to run any file that has a valid shell association. For example, you can set JobMaster to run a word file (.doc). JobMaster then starts the application associated with the file extension .doc (Winword) and opens the file in it.

  You can also enter any valid internet address. For example:

  http://www.mindleads.com/en

  JobMaster will start then the default internet browser and displays the selected internet address in it.

- **Delete**

  This action deletes a file or directory. Use the *Recursive Mode* in order to configure the action to delete all files and subfolders of the source directory. If you enter a specific file extension, then only matching files will be deleted. Use *All Files* to delete all files in the source directory. If the selected directory contains any subfolders, and the *Recursive Mode* is disabled, then only the contents of the directory will be deleted.
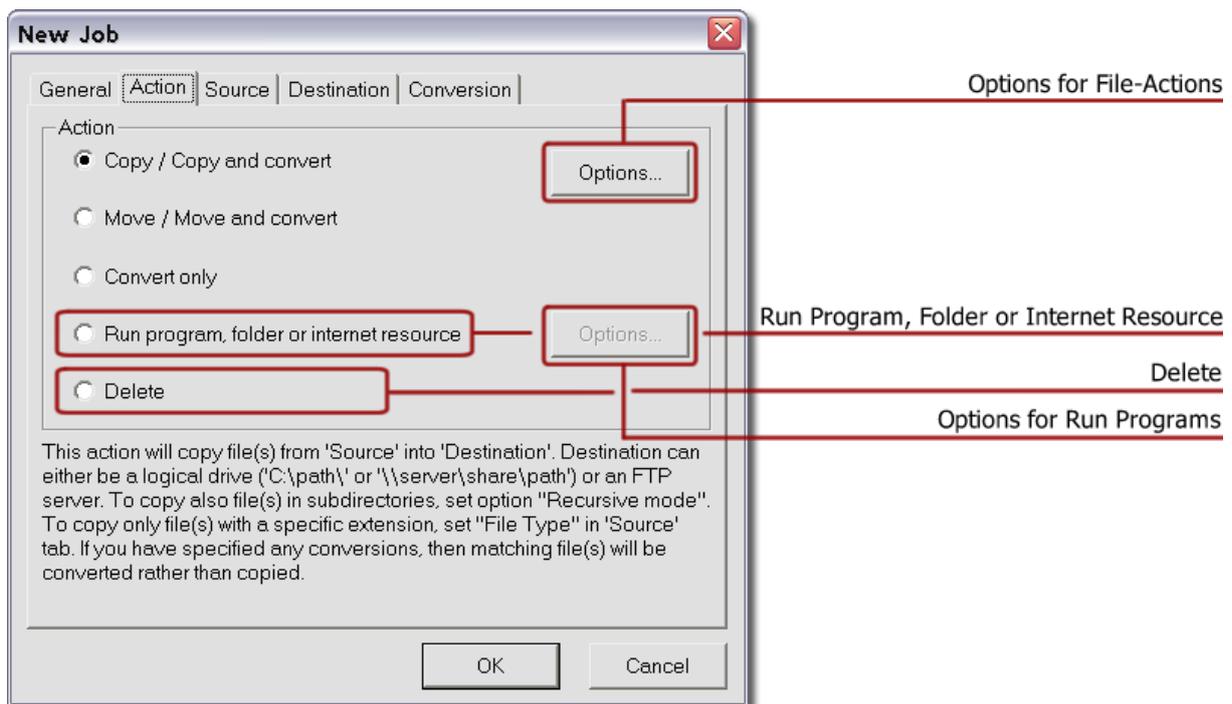
Options for File-Actions

There are additional options for the actions copy / move / convert. Choose the *Options* button under the *Action* tab to select any of the following options:

- **Overwrite existing file(s)**

    Overwrite files that already exist in the destination directory.

- **Only process newer file(s)**

    Copies only files that either do not exist in the destination directory yet or have a newer modification date in the source directory. When JobMaster converts files, it checks the file name given by the conversion rather than the original file name.

    Example: Copy the source file `C:\File1.doc` to `D:\` and convert it into pdf format. In this example JobMaster checks, if `File1.pdf` already exists in the destination directory, and if the file has a newer modification date than the file in the source directory.

- **Recursive Mode (include subfolders)**

    This option will include any subfolders in the source directory. For the actions copy / move / convert, the folder structure will be completely imitated in the destination directory. If the job is configured to use the delete action, then all files and subfolders will be deleted in the source directory.

- **Process hidden file(s)**

    Include also hidden files (files with hidden attribute).
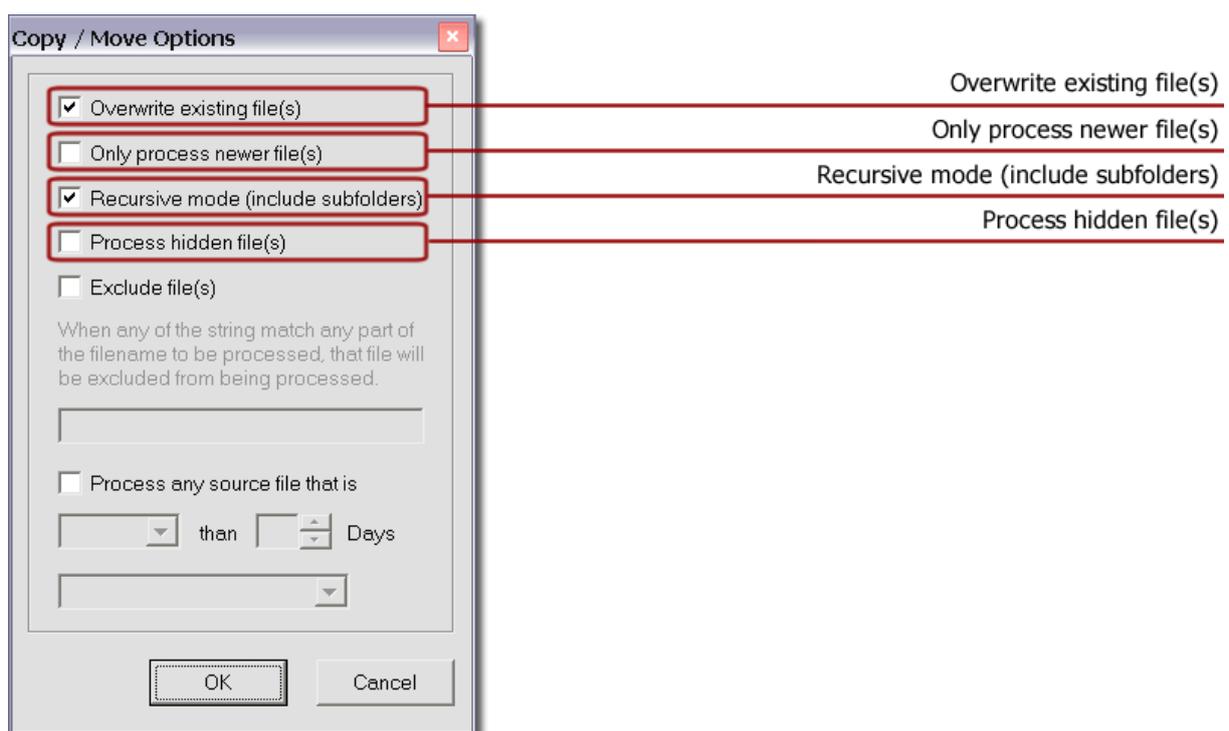
- **Exclude file(s)**

  You have the possibility to exclude files from processing. Excluded files will not be considered during future actions. In order to exclude files, enter a character or a character string which is part of the file name in the text box. When any of the string matches any part of the filename to be processed, that file will be excluded from being processed.

  Example 1:

  Entered value: *Data*

  All files which contain the character string *Data* will be excluded from future actions. For example:

  ```
  Business data.doc
  DATA1.xls
  Data-sampling.txt
  ```

  You are also able to enter a single character.

  Example 2:

  Entered value: -

  All files containing the character - will be excluded. For example:

  ```
  Business-data.doc
  -Business.xls
  Data sampling - 1.txt
  -template-.doc
  ```
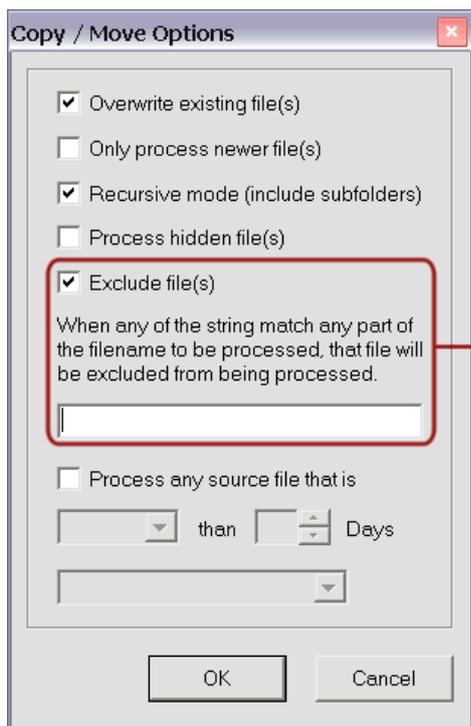

Exclude file(s)

- **Process any source file that is**

  Use this option to process only older or newer source files. Maximum days are limited to 999.

  Example:
  Process any source file that is older than 60 Days

  Only files older than 60 days will be processed.

  You can use different date attributes:

  Files modified: date of the last modification
  Files created: creation date of the file
  Files last accessed: Last read or write access to file
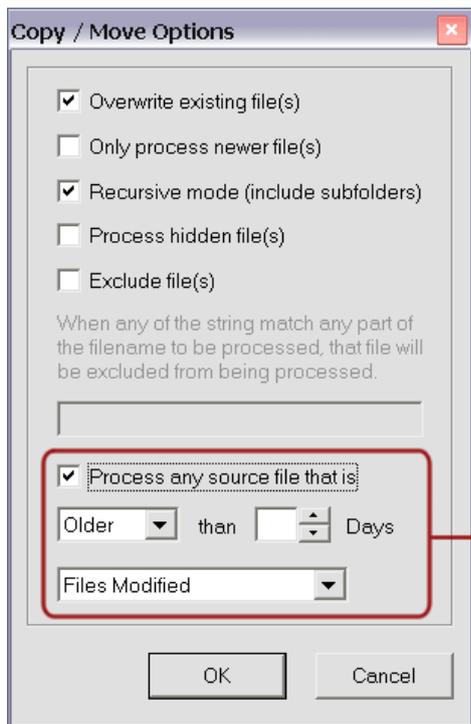
Process older / newer file(s)

Options for Run Programs

There are additional options for the action *run program or registered file*. In the *Action* tab, click the *Options* button to select any of the following additional options:

- **Restore original size and position, give focus**

  The window of the started program will be restored to its most recent size and position. The program will be activated (has focus).

- **Minimize window, give focus**

  The program will be started with minimized window with focus.

- **Maximize window, give focus**

  The program will be started with maximized window with focus.

- **Restore original size and position, no focus**

  The window of the started program will be restored to its most recent size and position, the currently active window remains active (no focus).

- **Minimize window, no focus**

  The program will be started with minimized window, the currently active window remains active (no focus).

- **Hide program**

  The window of the started program will be hidden. It is not visible for the user, that means you are not able perform any interaction with it. This option is recommended, for example, if you plan to start a batch file in the background, whose execution should not be visible on the screen.

Run Program Options	
Focus	
⦿ Restore original size and position, give focus	Restore original size and position, give focus
○ Minimize window, give focus	Minimize window, give focus
○ Maximize window, give focus	Maximize window, give focus
○ Restore original size and position, no focus	Restore original size and position, no focus
○ Minimize window, no focus	Minimize window, no focus
○ Hide program	Hide program
Execution	
⦿ Asynchronous execution (No wait for completion)	
○ Synchronous execution (wait for completion)	
OK Cancel	

- **Asynchronous execution**
  Asynchronous execution of files is the default setting. In this mode JobMaster does not wait for the completion of the file at runtime.

- **Synchronous execution**
  In synchronous mode JobMaster waits for the completion of the program. This may be helpful for batch files.
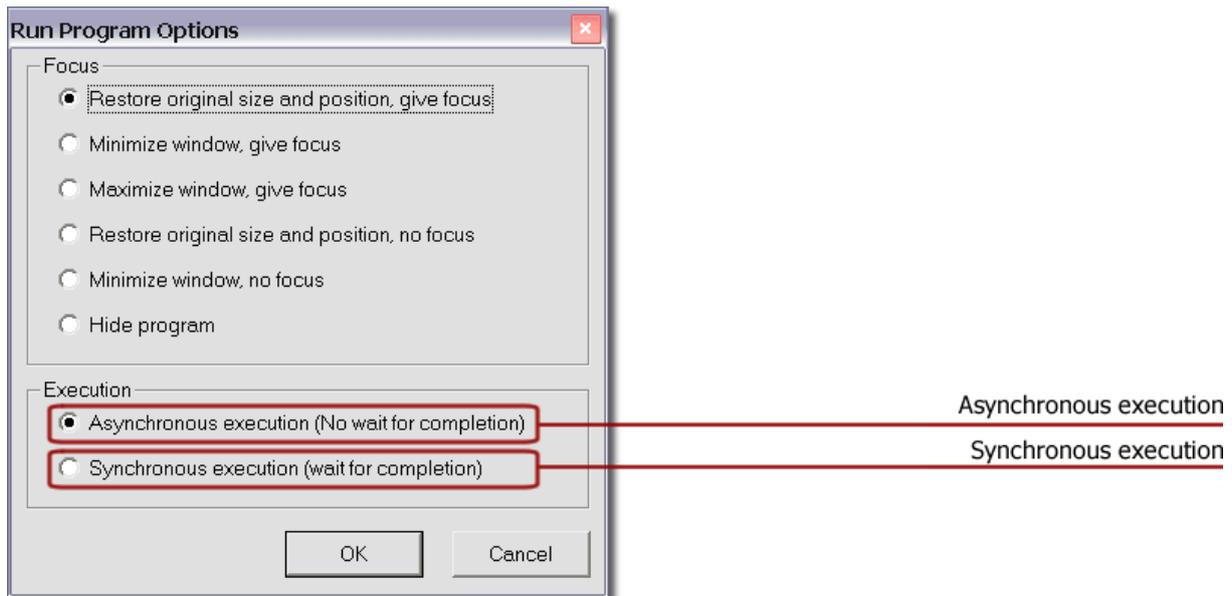
If you run a program in synchronous mode, make sure that the program does not 'hung' at runtime. After execution of a program in synchronous mode, JobMaster does not have any control over it. In error case it would wait for ever.

Maintain Source

Use the *Source* tab to define information for the source directory / source file. You are able to define a single file, the content of a directory or a single file from an internet resource (URL) as source.

- Directory on disk- or network drive. Example: `C:\My Documents`
- Single file on disk- or network drive. Example: `C:\My Documents\File1.doc`
- Single file from internet resource (URL).
  Example: `http://www.domain.com/data/file1.xls`

Use the *Browse* button for easier navigation, or directly enter the path / file name in the text box. Always enter a fully qualified path. JobMaster also accepts UNC path (Universal Naming Convention) as source. Look at the following example for a UNC path / file:

UNC-directory: `<\\server\share\documents>`
UNC-file: `<\\server\share\documents\My File.doc>`

If you define a directory as source, there are further options available. Select *All files* to include all files of the defined path in the execution. Select *specific filetype* to restrict the file search to a specific file extension. When you choose the file extension `doc` for example, then only doc-files are considered during the current job. Make sure to enter only alphanumeric characters and avoid additional symbols like `.` or `*`. You can enter multiple file extensions. Separate them with blanks.
Example: `doc xls txt rtf pdf exe`
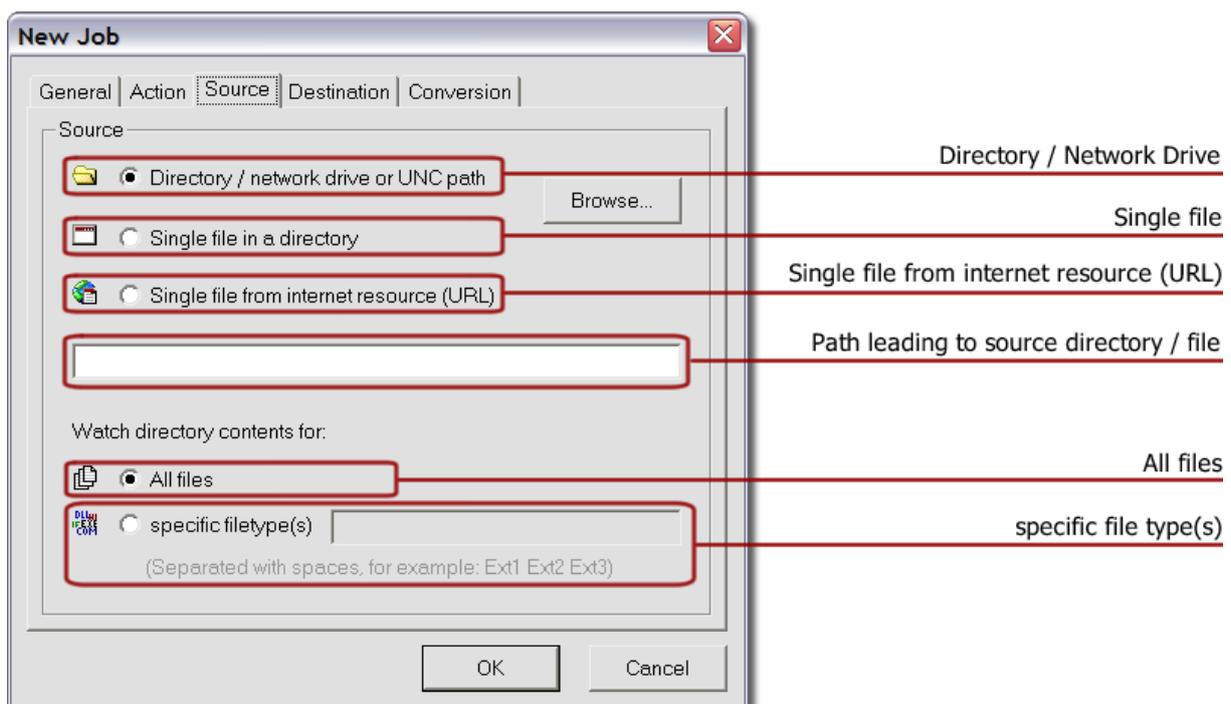
Maintain Destination

Use the *Destination* tab to define the destination of the copied or moved (converted) files. You can either choose a logical directory or an FTP server as destination.

Logical directory

A logical directory is any path constructed according to Windows 32 conventions. Either local or network drives are supported. UNC path are also supported by JobMaster. Always enter a fully qualified path. Example:

Network drive: `<X:\Inetpub\wwwroot\docs>`

UNC path: `<\\server\share\wwwroot\docs>`

JobMaster is checking whether a valid drive has been entered. JobMaster does not check the path behind the drive, because it automatically creates any entered path which does not exist yet.

Delete destination directory
This option deletes the whole content of the destination directory before the process starts.

⚠️ This option deletes ALL FILES AND SUBFOLDERS in the destination path without further warning.
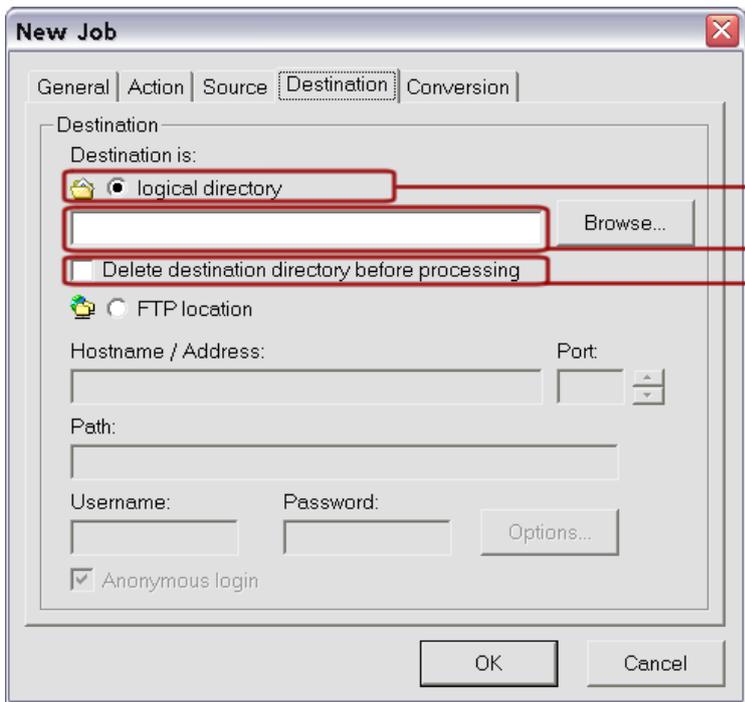
FTP Server

If you define an FTP server as destination, files will be copied directly via FTP (File Transfer Protocol).

Hostname / Address

Enter the FTP server's fully qualified hostname in the text box. Make sure not to use any forward slash /. Example:

```
<ftp.mindleads.com>
```

Port

Enter the corresponding FTP server port. In case you do not enter any port in the text box, JobMaster will use the FTP standard port (21).

Path

Enter the path of the destination directory in the text box, but avoid entering a forward slash / at the beginning. Example:

```
<pub/wwwroot/docs>
```

Username / Password / Anonymous Login

If a user account is needed for access to the FTP server, enter a valid FTP user account with write access. Use *Anonymous login* in case the FTP server is configured to accept it, but generally an anonymous user does not have write access on an FTP server. To guarantee the highest possible security, it is recommended to create your own FTP user account with write access on the FTP server.
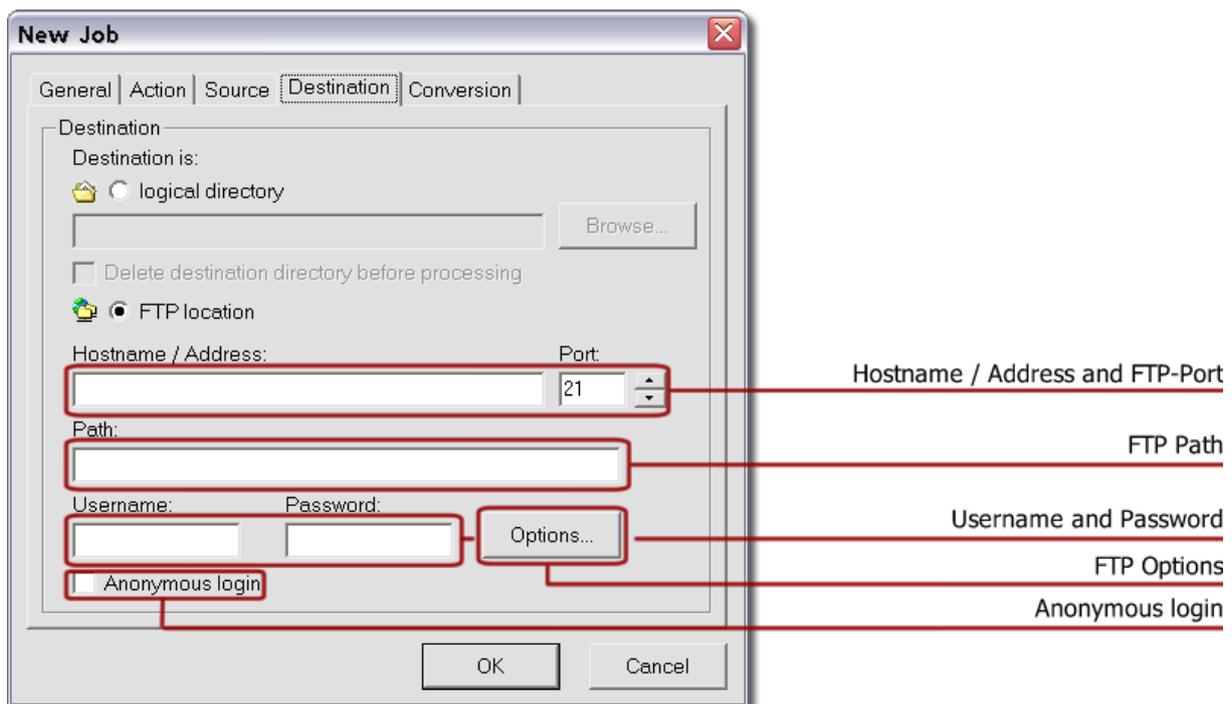
FTP Options

Use the *Options* button to choose any of the following extended configurations for the entered FTP server:

Binary Transfer

The Binary transfer mode will successfully transfer all types of files, including ASCII text files. In contrast to ASCII transfer, this mode does not alter files.

ASCII Transfer

Use *ASCII transfer* to transfer ASCII text files much faster than in the binary mode. It also adjusts invisible characters (such as the line-feed character) which appear at the end of a line and are different on Windows, MacOS and UNIX computers. Only use this mode for transferring ASCII files.

Use Proxy

If this option is selected, JobMaster will establish the connection to the FTP server via a proxy server.

Hostname / Address

Enter the fully qualified name of the proxy server, but avoid entering any forward slash / in the text box. Example:

`<proxyserver.mindleads.com>`

Port

There is no default value for the port of the proxy server. Ask your system administrator, if you are unsure.
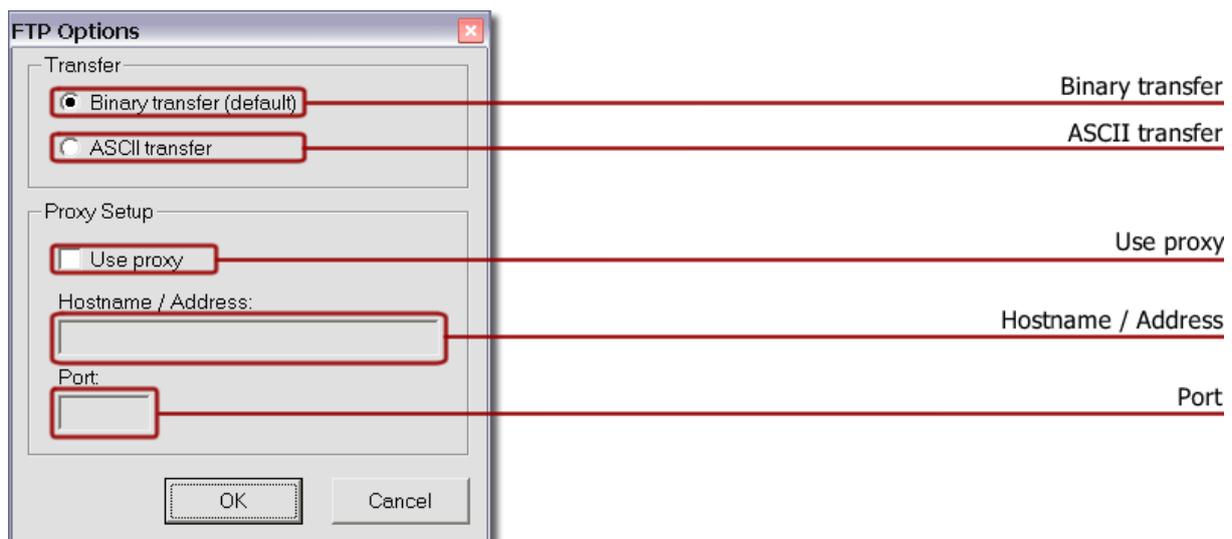
In general binary transfer is sufficient, so if you are not sure, set it as default.

Set File Conversions

Use the *Conversion* tab to set file conversions. In order to use this function, Office 2000 or higher has to be installed on your system. You may define up to 650 different file conversions. JobMaster can convert any of the following file types as source format:

- Word Document Format (.doc;.docx)
- Excel File Format (.xls;.xlsx)
- PowerPoint Presentation Format (.ppt;.pptx)
- Web Page (.htm;.html)
- ASCII Text File (.txt)
- XML File Format (.xml)
- Rich Text Format File (.rtf)
- WebArchive File (.mht;.mhtml)
- Comma Separated Values File (.csv)
- Data Interchange Format File (.dif)
- dBASE File (.dbf)
- Works 2.0 File / Lotus Worksheet (.wks)
- Symbolic Link Format File (.slk)
- PowerPoint SlideShow File (.pps)
- Word Template (.dot)
- Excel Template (.xlt)
- PowerPoint Template (.pot)
- Text with Layout Format (.ans)
- WordPerfect 5.0 File (.doc)
- WordPerfect 6.x File (.wpd)
- Lotus 1-2-3 File (.wk1;.wk3;.wk4)
- Outlook Address Book File (.olk)
- Personal Address Book File (.pab)
- Schedule+ Contacts File (.scd)
- Windows Write File (.wri)
- Works 4.0 File (.wps)
- Word for Macintosh Format (.mcw)
- Excel Text File (.prn)
- Query File Format (.iqy)
- Quattro Pro/DOS File (.wq1;.wb1)
- Excel 4.0 Macro File (.xlm;.xla)
- Excel Workbook File (.xlw)
- SAP Report Writer File (.rpw)
- Harvard Graphics Show File (.sh3)
- Harvard Graphics Chart File (.ch3)
- Freelance 1.0 - 2.1 Files (.pre)
- Visio Drawing (.vsd;.vdx)
- Visio Shapes File (.vss;.vsx)
- Visio Template (.vst;.vtx)
- Visio Workspace File (.vsw)

- Scalable Vector Graphics File (.svg;.svgz)
- AutoCAD Drawing (.dwg;.dxf)
- Compressed Enhanced Metafile (.emz)
- Enhanced Metafile (.emf)
- GIF Format (.gif)
- JPG Format (.jpg)
- PNG Format (.png)
- TIF Format (.tif)
- Windows Bitmap (.bmp;.dib)
- Windows Metafile (.wmf)

The conversions will be applied to all files with a corresponding file extension.

Set file conversions rules:
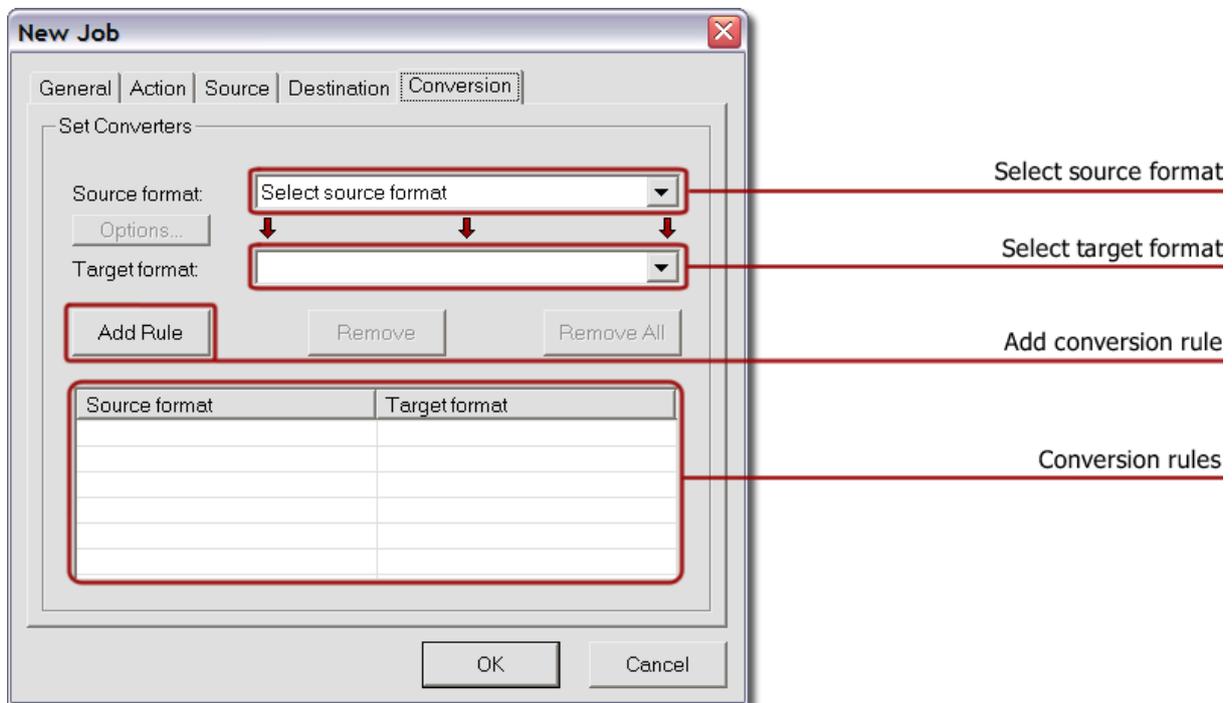
In order to add a conversion rule, select first the source format. Then select the desired target format that should be used for conversion rule. Then click '*Add Rule*'. You can add up to 40 different conversion rules per job.

To remove a conversion rule, select the conversion rule with the left mouse button then click the '*Remove*' Button. To remove all rules, click '*Remove All*'.

For best conversion results it is recommended that Office 2007 and Acrobat 8 or higher is installed on your system.

Overview File Conversions

The following table shows an overview of all possible file conversions.

Target format → (columns): Adobe Acrobat Format (.pdf) · Web Page (.htm;.html) · ASCII Text File (.txt) · Word Document Format (.doc) · Rich Text Format File (.rtf) · Word Template (.dot) · Text with Layout Format (.ans) · WordPerfect 5.0 File (.doc) · WebArchive File (.mht;.mhtml) · Works 4.0 File (.wps) · XML File Format (.xml) · Web Page, filtered (.htm) · Comma Separated Values File (.csv) · Data Interchange Format File (.dif) · Excel 2.1 (.xls) · Excel 3.0 (.xls) · Excel 4.0 (.xls) · Excel 5.0 / 95 (.xls) · Excel 97-02 & 5.0/95 (.xls) · dBASE II (.dbf) · dBASE III (.dbf) · dBASE IV (.dbf) · Works 2.0 File / Lotus Worksheet (.wks) · Excel Template (.xlt) · Symbolic Link Format File (.slk) · Windows Bitmap (.bmp) · GIF Format (.gif) · JPG Format (.jpg) · PNG Format (.png) · Web Page, dual (.htm;.html) · Web Page, V3 (.htm;.html) · PowerPoint Presentation Format (.ppt) · Powerpoint 7 (.ppt) · Powerpoint Template (.pot) · PowerPoint SlideShow File (.pps) · TIF Format (.tif)

Source format ↓	.pdf	.htm/.html	.txt	.doc (Word)	.rtf	.dot	.ans	.doc (WP5)	.mht	.wps (W4)	.xml	.htm (filt)	.csv	.dif	Excel 2.1	Excel 3.0	Excel 4.0	Excel 5.0/95	Excel 97-02	dBASE II	dBASE III	dBASE IV	.wks	.xlt	.slk	.bmp	.gif	.jpg	.png	Web dual	Web V3	.ppt (Pres)	.ppt (PP7)	.pot	.pps	.tif
Word Document (.doc)	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓																								
Excel File (.xls)	✓	✓	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓											
PowerPoint Presentation (.ppt)	✓	✓			✓				✓																	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
Web Page (.htm;.html)	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓														✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ASCII Text File (.txt)	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓																								
XML File (.xml)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓											
Rich Text File (.rtf)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓														✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Web Archive File (.mht;.mhtml)	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓														✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CSV File (.csv)	✓	✓	✓						✓			✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓											
DIF File (.dif)	✓	✓	✓						✓			✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓											
dBASE File (.dbf)	✓	✓	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓				✓	✓	✓											
Works 2.0 File / Lotus Worksheet (.wks)	✓	✓	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓											
Symbolic Link File (.slk)	✓	✓	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓												
PowerPoint Slideshow (.pps)	✓	✓	✓						✓																	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
Word Template (.dot)	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓																								
Excel Template (.xlt)	✓	✓	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓											
PowerPoint Template (.pot)	✓	✓	✓		✓				✓																	✓	✓	✓	✓	✓	✓		✓		✓	✓
Text with Layout File (.ans)	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓																								
WordPerfect 5.0 File (.doc)	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓																								
WordPerfect 6.x File (.wpd)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																								
Lotus 1-2-3 File (.wk1;.wk3;.wk4)	✓	✓	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓											
Outlook Address Book File (.olk)	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓																								
Personal Address Book File (.pab)	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓																								
Schedule+ Contacts File (.scd)	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓																								
Windows Write File (.wri)	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓																								
Works 4.0 File (.wps)	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓														✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Word for Macintosh File (.mcw)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																								
Excel Text File (.prn)	✓	✓	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓											
Query File (.iqy)	✓	✓	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓											
Quattro Pro/DOS File (.wq1;.wb1)	✓	✓	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓											
Excel 4.0 Macro File (.xlm;.xla)	✓	✓	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓											
Excel Workbook File (.xlw)	✓	✓	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓											
SAP Report Writer File (.rpw)	✓	✓	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓											
Harvard Graphics Show File (.sh3)	✓	✓			✓				✓																	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Harvard Graphics Chart File (.ch3)	✓	✓			✓				✓																	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Freelance 1.0 - 2.1 File (.pre)	✓	✓			✓				✓																	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

> In order to create Adobe Acrobat (.pdf) files, the Adobe Acrobat software must be installed on your system. Adobe Acrobat Reader is not sufficient to create pdf files.

Text to Excel Conversion (txt to xls)

If you want JobMaster to convert text files (.txt file extension) to Excel sheets (.xls file extension), then you can set delimiters to separate each field.

Click the '*Options*' button and select in the appearing window an appropriate delimiter that is used in your text file. You can select characters such as commas or tabs to separate columns in your excel file. Choose any of the following delimiter chars:

- None (default)
- Tabs
- Commas
- Spaces
- Semicolons
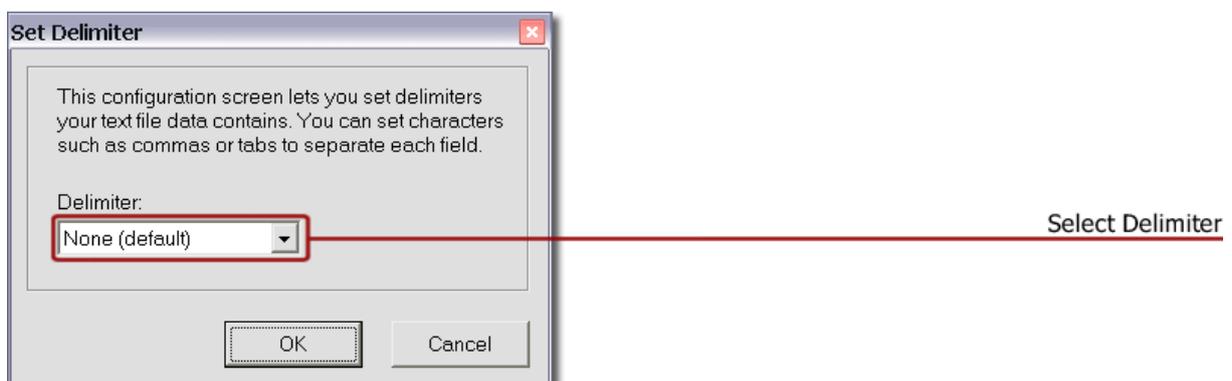
Working with JobMaster

This chapter contains a description of the JobMaster console and its use. Moreover it gives you information about administration and monitoring of the jobs.

Start / Stop Jobs

The job you have just created appears in the JobMaster console with status ⬤ *Stopped.*
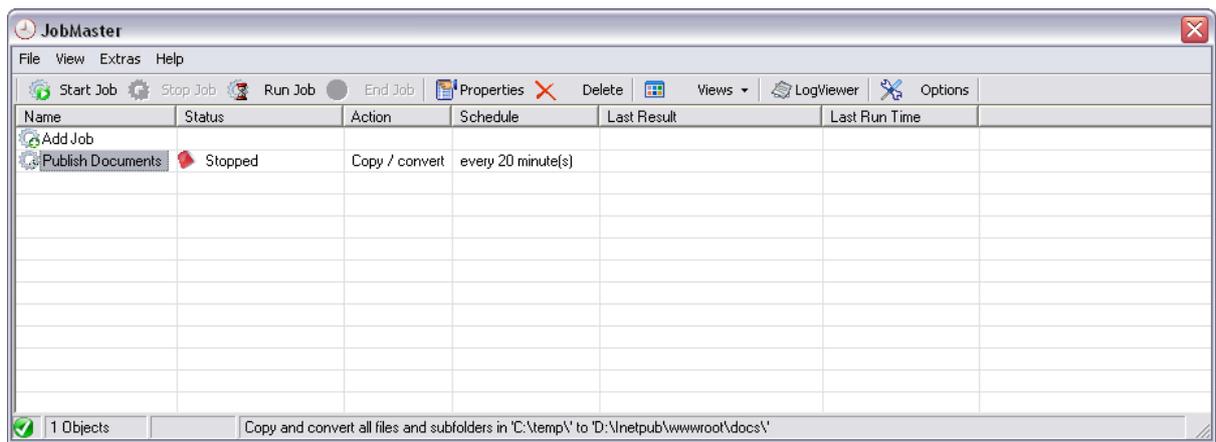
Before it will be automatically executed in the future, you have to start the created job. To do so, click on the job and select the *Start* ⬤ icon in the toolbar.
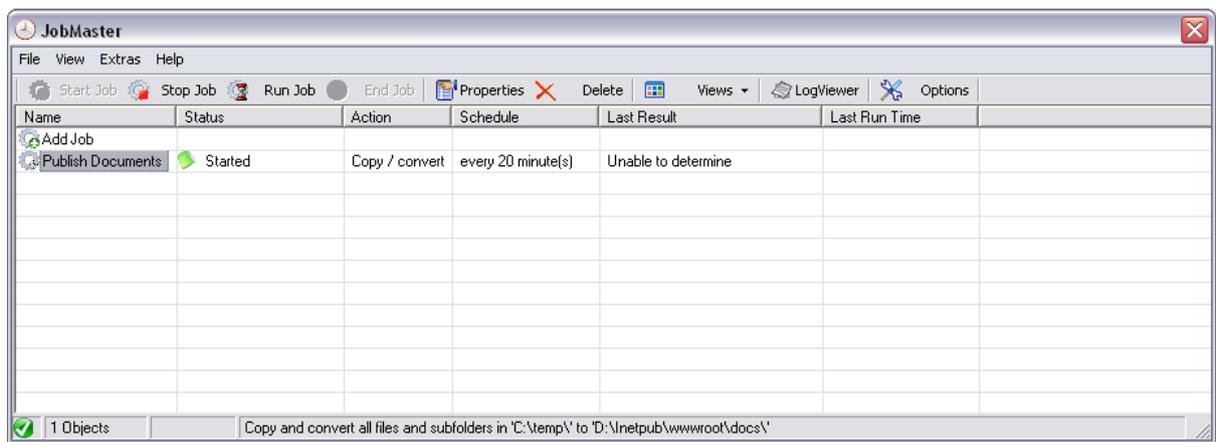
The *Status* color is green now, which symbolizes that the job *Publish Documents* is started and will be automatically executed every 20 minutes.

If you want to stop the automatic execution of a job, select the *Stop* ⬤ icon in the toolbar. Note that a currently running job can only be cancelled by selecting the *End Job* ⬤ icon.

Run jobs manually

You can manually run every job, no matter whether it is configured for manual or automatic execution.

As shown in the image below, select the *Run* 🍷 icon to run a job manually.

You can run all saved jobs by clicking *Run all Jobs* in menu *File.*
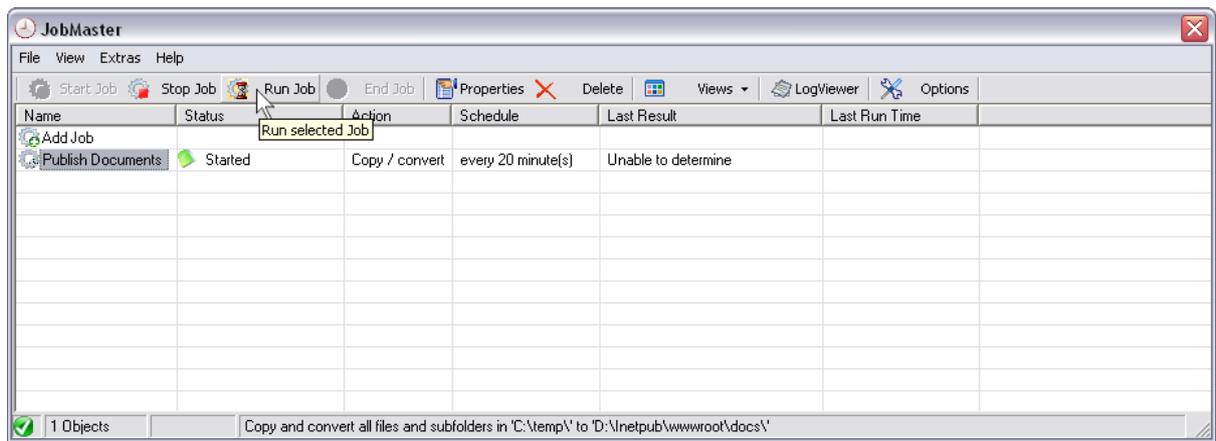
For easier navigation, right-click jobs in the console. This allows you faster access to the job-menu.

Monitoring jobs

The JobMaster console always shows the current status of every single job. The following table shows an overview of all possible status icons.

Icon	Meaning
	Job is stopped; there will be no automatic execution.
	Job is started; the corresponding job will be executed pursuant to the selected job action.
	Job is running and executes the selected action.
	Job is chained with another job and will be executed as soon as the running job completed its action.
	Job is set to manual execution and will not be started automatically.
	Another job is currently running. The selected job gets the status *waiting* and will be executed after the currently running job has finished operating.

In the following example the job *Publish Documents* is configured to copy every 20 minutes all files from *H:\Data\Documents** to *D:\Inetpub\wwwroot\docs*, and convert all occurring WinWord files (.doc) to Adobe Acrobat files (.pdf). The source directory *H:\Data\Documents* contains 648 files, including 45 WinWord files (.doc).

The column *Last Result* summarizes the executed actions after the job is finished:
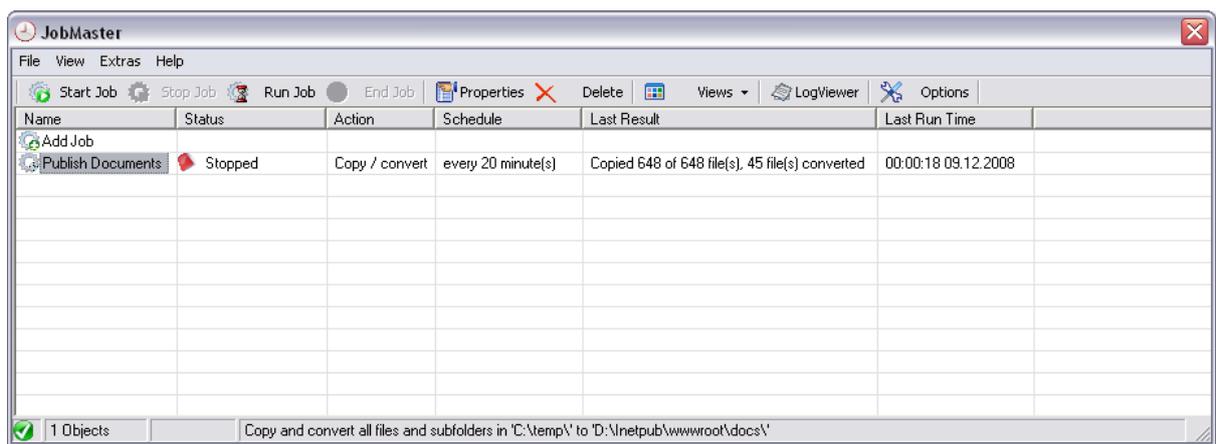
Alarm Status

JobMaster's internal monitoring system makes it possible to recognize warnings or errors during operation. If errors or warnings occur, these are symbolized in the status bar by an icon.

The symbol ⊘ means that no errors occurred since the program start of JobMaster. The ⚠ symbol states that one or more errors or warnings were generated. Moreover the JobMaster icon in the taskbar will start to blink.

Status OK, keine Fehler oder Warnungen

Fehler oder Warnungen sind passiert

For further analyzing errors or warnings, use *View Error Log file* in the *Extras* menu. The error-log file will be displayed then, which records all errors and warnings. For more details use the LogViewer or take a look at the log files.
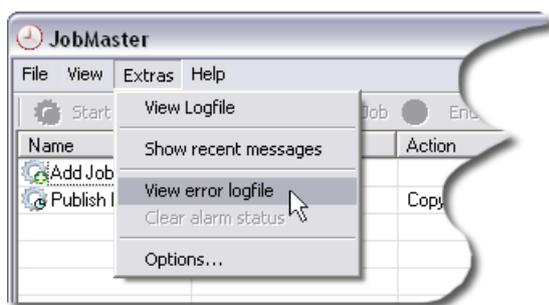
To cancel alarm-status, use *Clear Alarm Status* in *Extras* menu. Thus original status is restored and status-icons change to normal operation. This action does not delete entries in the error-log file.

Log file

View the *log file* to get detailed information about a job. The log file is an important component for monitoring jobs, because it contains a detailed list of all executed actions. You can easily find the cause of any occurring error by viewing the log file.

Select *Extras / View Log file* in the menu to view the log file.

View log file:
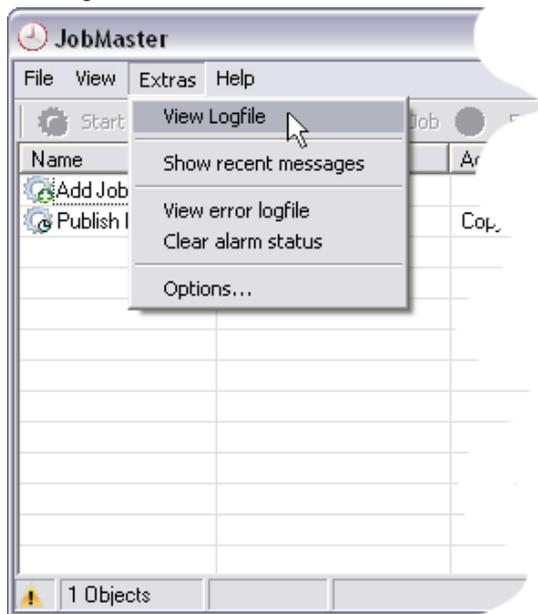
Log file summary report after finish of the job *Publish Documents*:

```
17.04.2003 10:15:41 'Publish Documents':

               Summary report
               ==============
               Operation: Copy / convert * from H:\Daten\Documents\ to
               D:\Inetpub\wwwroot\docs\
               Total file(s) found:      242
               Total file(s) processed: 242
               Total Errors:             0
               DOC file(s) converted:    153 Errors: 0
               TXT file(s) converted:    0 Errors: 0
               XLS file(s) converted:    0 Errors: 0
               PPT file(s) converted:    0 Errors: 0
               HTML file(s) converted:   0 Errors: 0
               Total file(s) converted: 153
```

Show recent messages (LogViewer)

The LogViewer records all activities and can display them in real-time. Click the 🖼 icon to start the LogViewer. Alternatively you can also use *Show recent messages* in menu *Extras*.

Letzte Meldungen ansehen:

The LogViewer appears then. The most recent messages will be displayed. If there are more than 6000 messages, the oldest are deleted. This does not have influence on the log file generated by JobMaster, the LogViewer gives only a short overview of the current activities.
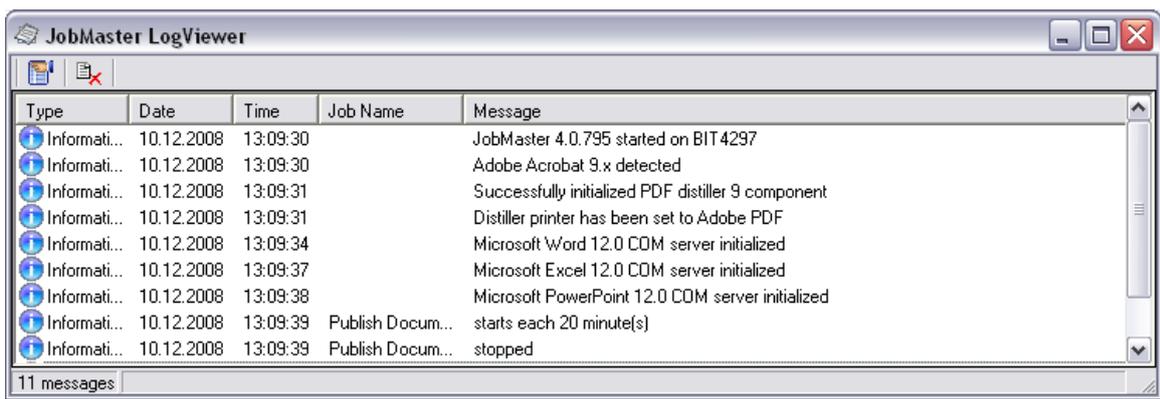
Double-click a message for detailed excerpt of the message. In order to switch between messages, use the arrow-buttons.
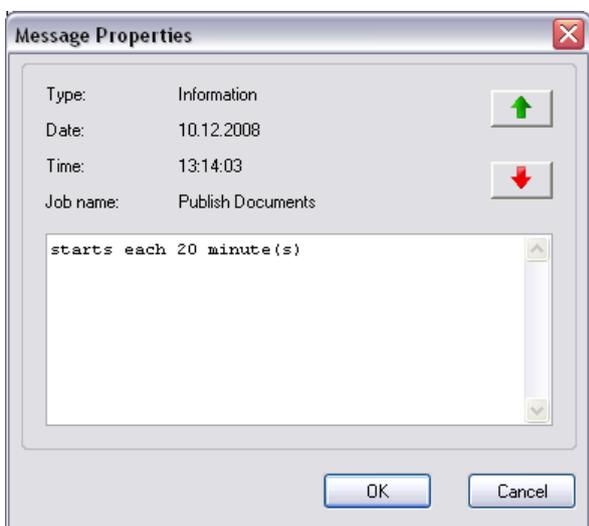
Configuration

Select *Extras / Options* in the menu to set extended configurations for JobMaster.
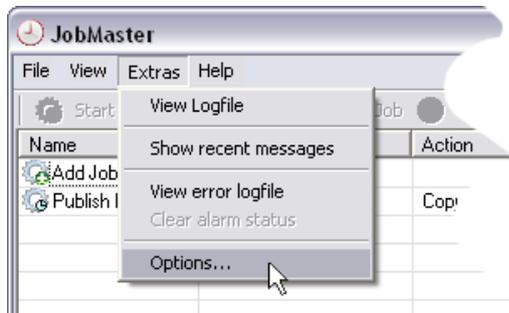
Configure Log file

Path to store log file(s)

The log files created by JobMaster will be created in the directory `<Installation directory\JobMaster\log files>`. You have the possibility to enter a different directory for the log file path. To guarantee the highest possible performance, it is recommended though to choose a local path. If you also want to have the log files in a network drive, you can create a job to copy the files in a desired interval to any network drive.

Single log file

By selecting *Single log file*, all actions of JobMaster will be saved in a single file. The filename of the log file is `JobMaster.log`, and can be found in the entered path.
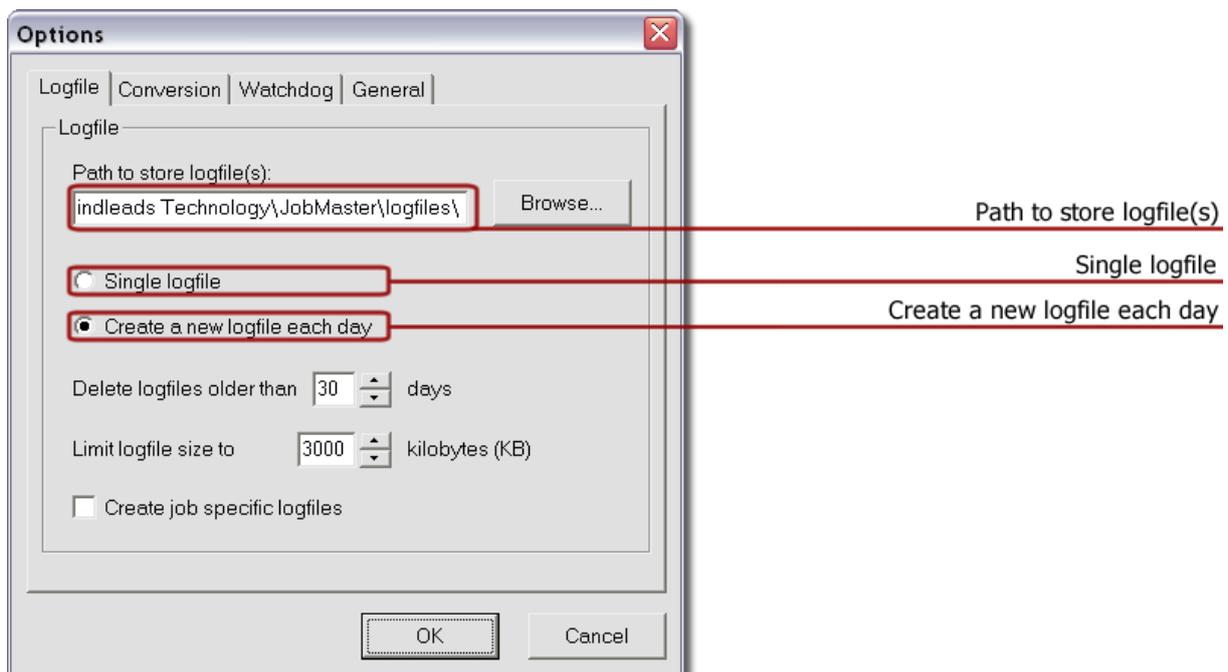
Create a new log file each day

Use this option to daily create a new log file. In this setting the filename of the log file will be `JobMasterYYMMDD.log`.

Delete log files older than <n> days

Using this option, you can define the number of days you want to keep the log files on your hard drive. Choose a value between 2 and 365. Files older than the entered value will be deleted.

Limit log file size

Use this option to limit the size of the created log files. It is recommended to enter a value of at least 500 KB.

(i) You can enter a value between 100 and 6000 KB.

Create job specific log files

Use this option if you want to create an own log file for each job.

Use the *Browse* button for easier navigation.

Conversion Options

Use the *Conversion* tab to define the file-conversion settings.

Set PDF Conversion

Select one of the two following methods to convert files to Adobe Acrobat format (.pdf):

- **Adobe Acrobat PDFWriter**
- **Adobe Acrobat Distiller**

JobMaster suggests the Acrobat PDFWriter method as default setting. Read the following sections for further information about the two methods.
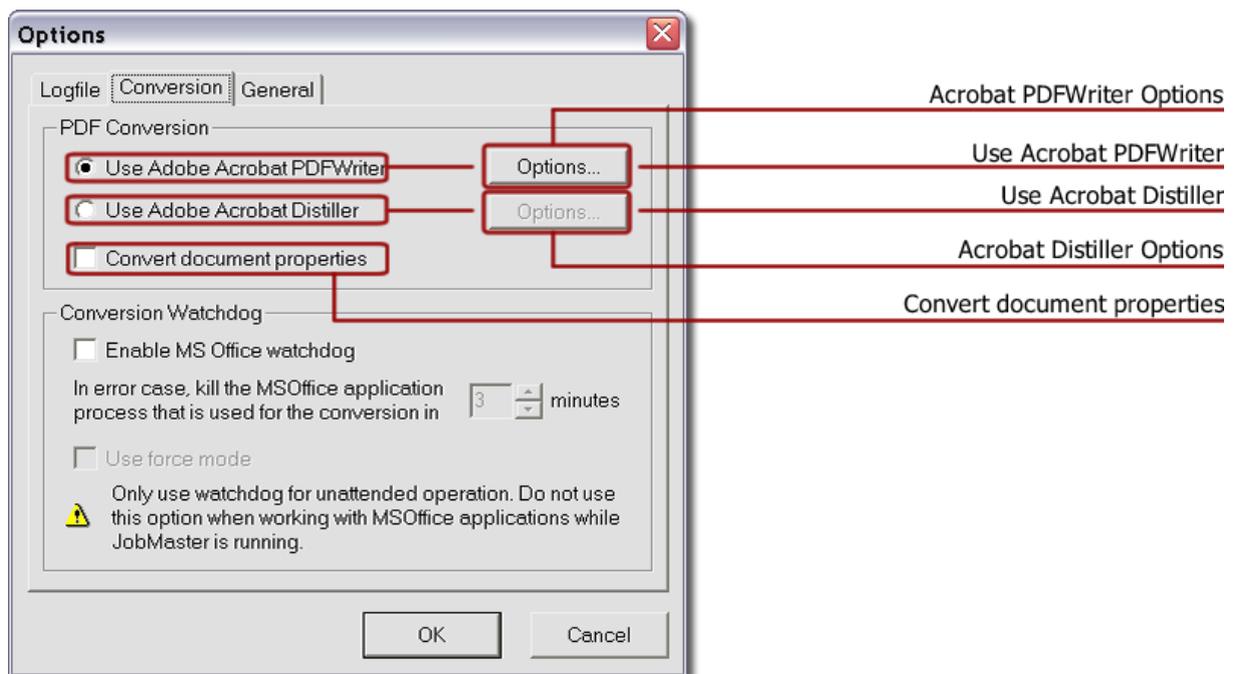
If Adobe Acrobat 6 or higher is installed on the machine, the configuration window looks different because the PDFWriter method is no more available. The PDF Printer replaces the Acrobat Distiller and is named *Adobe PDF*.

Convert Document Properties

This option makes sure that the document properties of Word, Excel and PowerPoint documents are converted. The fields *Title*, *Theme*, *Author* and *Keywords* are also apparent in the Acrobat PDF format as document properties. If you use Acrobat 6 or higher for document conversion on your system, the fields *Manager*, *Company*, *Category* and *Comments* are additionally converted. If you have Acrobat 4 or Acrobat 5 on your system, the function can only be used in conjunction with the Acrobat PDFWriter method.

This option requires higher system resource consumption. Ensure that a minimum of 256 MB RAM is available on your system.

Acrobat PDFWriter Method

The Acrobat *PDFWriter* method is particularly suirable to create PDF files in a fast and efficient manner. Use it especially for converting documents that contain a lot of text (i.e. business documents).

If you want to convert files into Adobe Acrobat format (.pdf) using the PDFWriter method, the Acrobat PDFWriter printer must be installed on your system. If the name of the Acrobat PDFWriter printer is not designated as *Acrobat PDFWriter*, you have to change a registry entry. For further information read the chapter "technical information" on page 54.

In order to install Acrobat PDFWriter printer, insert in the Adobe Acrobat4/5 CD ROM and select *Custom* in the installation program. You can select Acrobat PDFWriter printer for installation.

Acrobat Distiller Method

The Acrobat *Distiller* method is especially suitable for converting documents that contain many graphics because it allows complex settings. You can deny unauthorized access to the files by activating particular security settings.

If you want to convert files into Adobe Acrobat format (.pdf) using the Acrobat Distiller method, the Acrobat Distiller software and the Acrobat Distiller printer must be installed on your machine. If the name of the Acrobat Distiller printer is not designated as *Acrobat Distiller*, you have to change a registry entry. For further information read the chapter "technical information" on page 54.

Windows 2000 / XP, 2003, Vista require administrator authorization for the use of Acrobat Distiller method.

Options for Acrobat PDFWriter

In order to create pdf files you can use extended options. Choose the *Options* button under the *Conversion* tab to select any of the following options:

Embed all fonts

This option provides the embedding of all fonts in the file, which means that all fonts used in the generated pdf file will be represented correctly on other systems.

Downsample images

Use this option to further reduce file size by down sampling images to a lower resolution. Downsampling reduces the number of pixels in a file by averaging the color of pixels in a determined area and replacing that area with one pixel of the averaged color.

Used resolution for images

This option determines the resolution for images. You are able to choose the number of dpi (dots per inch) with which a new pdf file will be printed.

Use ASCII text format

Use this option to create Adobe pdf files in ASCII text format. This provides that pdf files can be opened in a text editor for reading or editing, but it also increases file size.
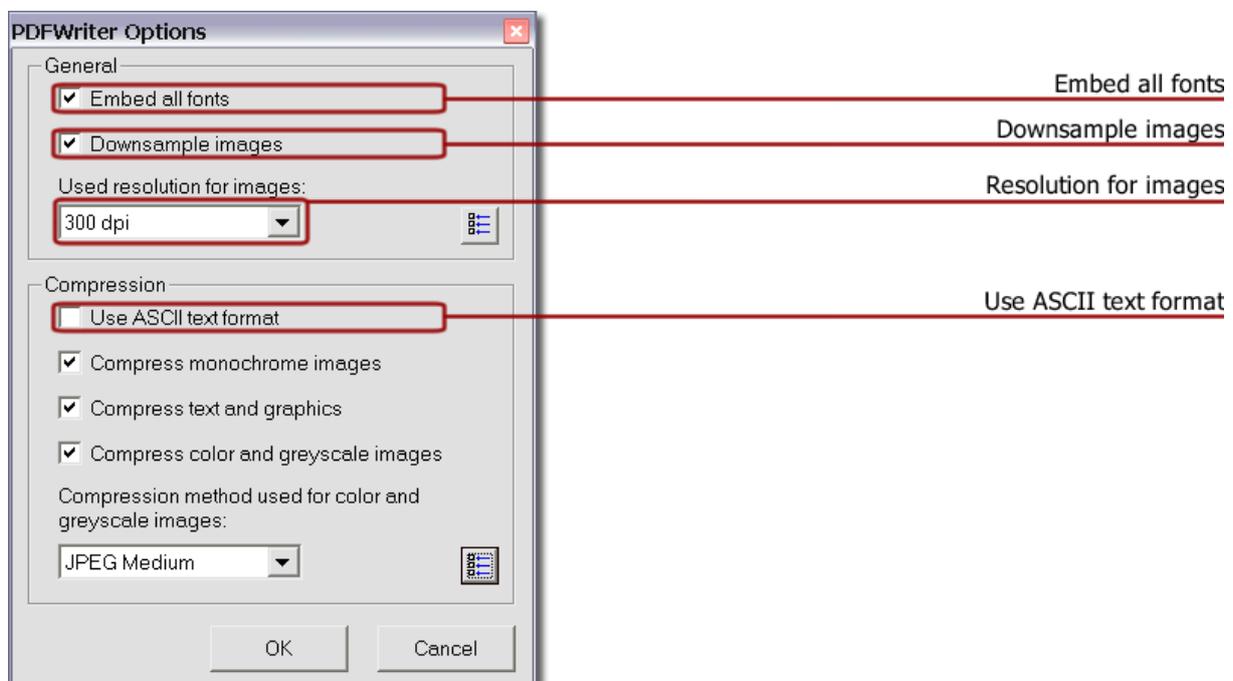
To reset to the default values, click the icon.

Compress monochrome images

Use this option to apply compression to monochrome images in pdf files. Note that PDFWriter applies compression to all monochrome images in the pdf files.

Compress text and graphics

Use this option to apply compression to text and graphics in pdf files. PDFWriter performs with ZIP compression, a lossless compression method.

Compress color and greyscale images

This option applies compression to color or greyscale images by using the selected *Compression Method*. PDFWriter will apply the compression to all color and greyscale images in the pdf file. The higher the compression of the images, the smaller is the size of the pdf file. The quality of the images will be reduced though. Choose one of the following compression methods:

- JPEG High
- JPEG Medium-High
- JPEG Medium
- JPEG Medium-Low
- JPEG Low
- ZIP
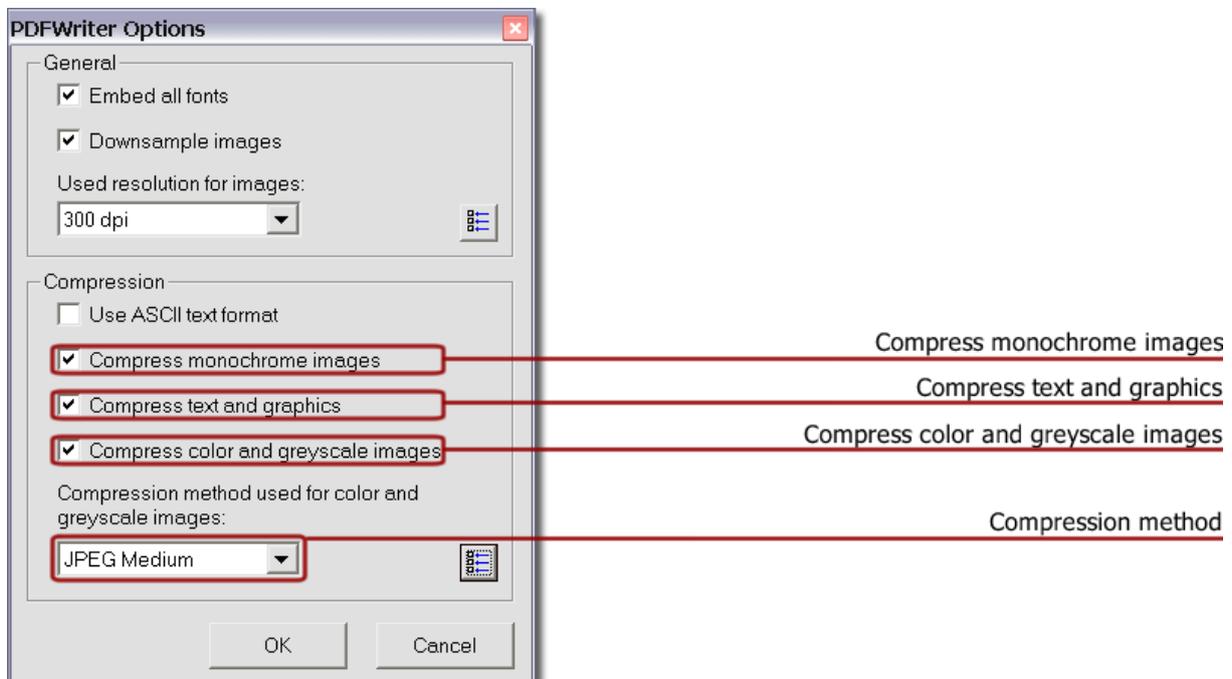
Options for Acrobat Distiller

Extended options are available for the Acrobat Distiller conversion method. Choose the *Options* button under the *Conversion* tab to select any of the following options:

Use default job options
Select this option, if you want JobMaster to use the default options of Acrobat Distiller.

Specify job options
Select this option if you prefer a specific Acrobat Distiller option. Moreover, using the Acrobat Distiller software, you can create individual options. JobMaster automatically recognizes these options and uses them for the conversion of PDF files.
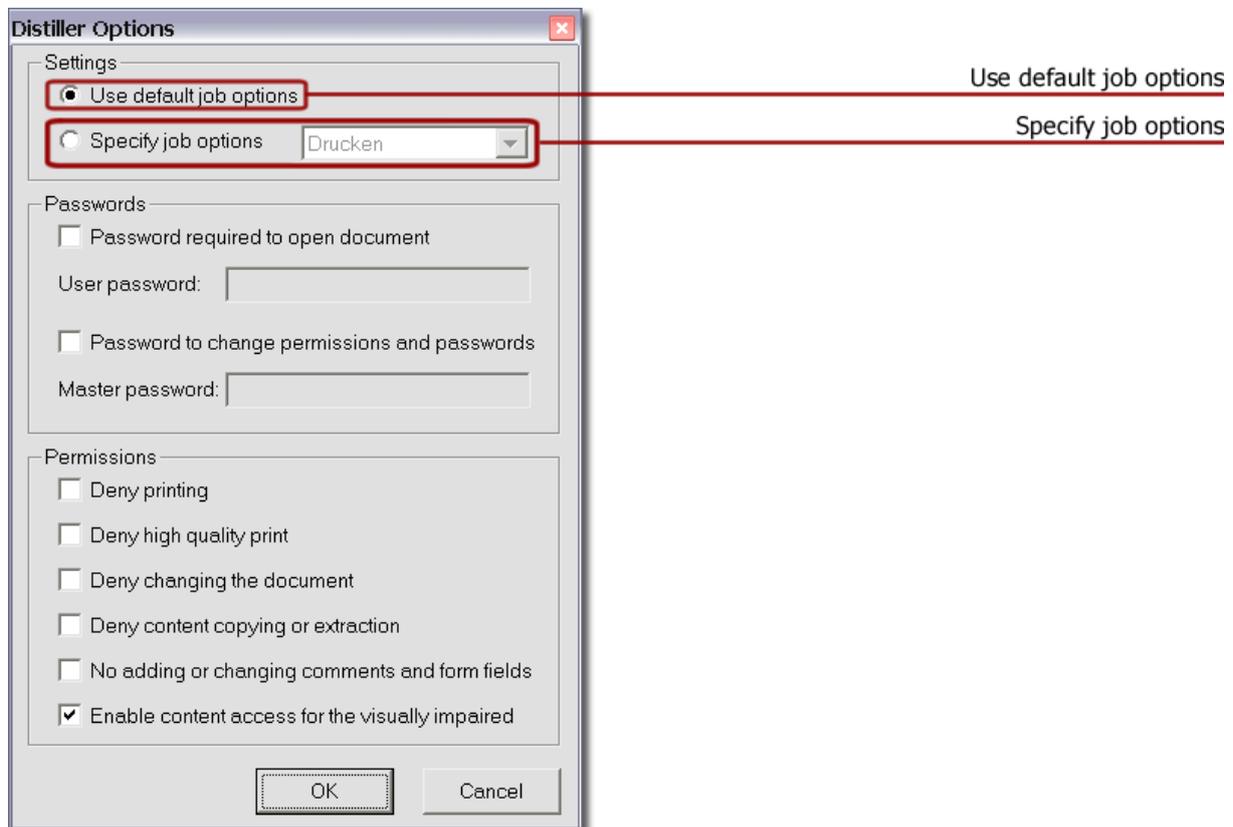
The security settings are valid for any program which uses Adobe Acrobat software. Moreover, you can use any of these programs to change the security settings.

User password

Select the 'Password required to open document' option and specify a password to prevent users from opening your PDF files. If you enter a password here, your PDF files can only be opened by typing the password you specified.

Master password

Select the ‚Password to change permissions and passwords' option and specify a password to restrict users from changing, extracting, copying or printing your PDF files. If you enter a password here, the security settings can only be changed by typing the password you specified.

After entering the passwords in the text box, you have to confirm them in a second dialog window.
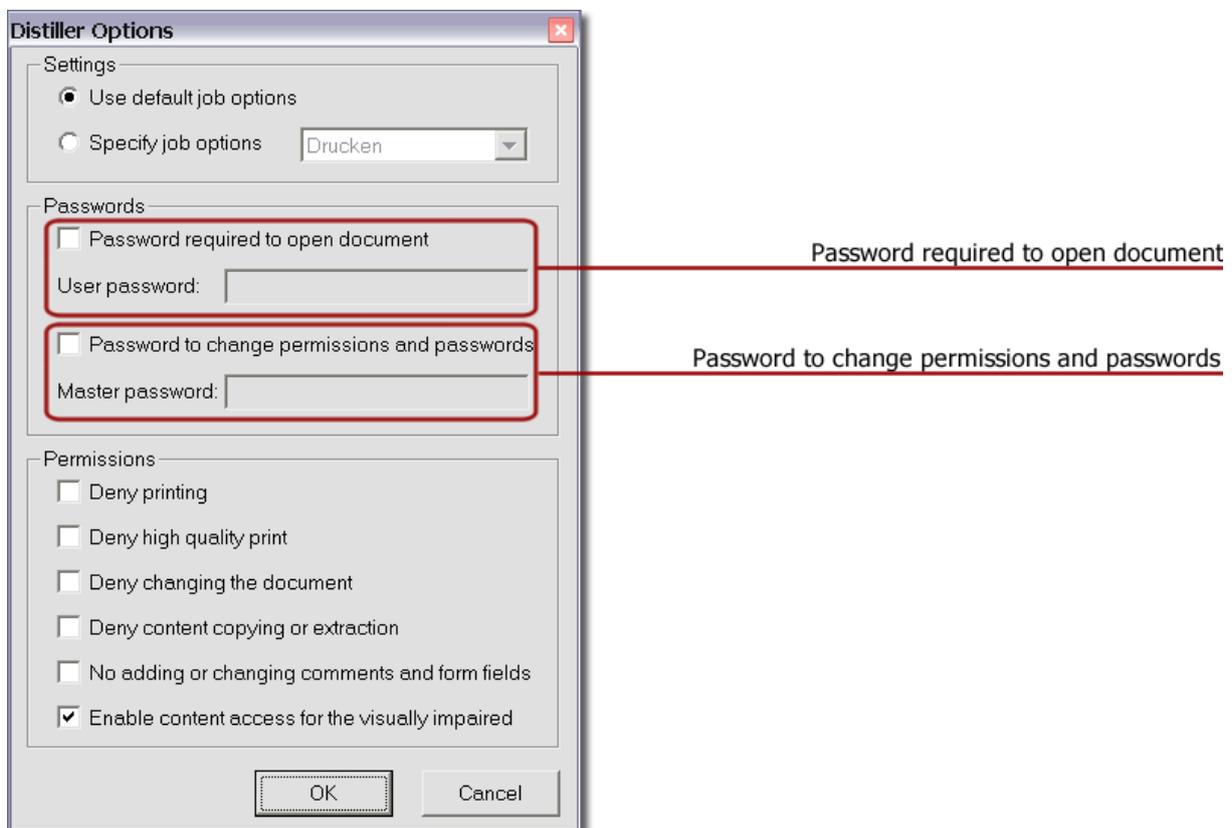
⚠️ If you forget a password, you are no longer able to access the files or change the security settings. ALWAYS STORE YOUR PASSWORDS IN A SECURE LOCATION!

You can choose any of the following security restrictions. In order to enable these settings, you must specify a Master password first.

Deny printing
When this restriction is enabled, users cannot print PDF files.

Deny high quality print
Enabling this setting restricts users from printing files at high resolution. Printing at up to 150-dpi resolution is allowed.

Deny changing the document
Enabling this setting prevents users from changing the document, including filling in signature and form fields.

Deny content copying or extraction
Enabling this setting prevents users from copying or extracting text or graphics.
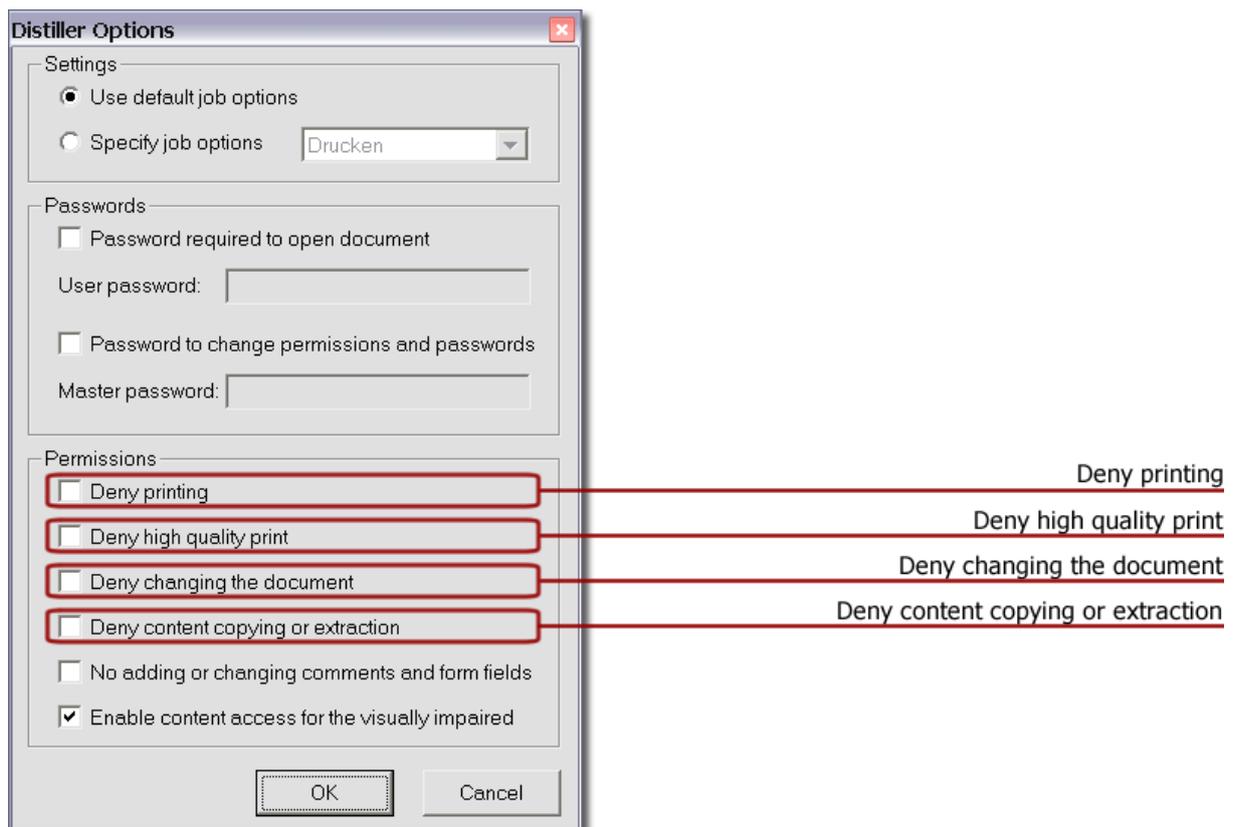
If Adobe Acrobat 4 or lower is installed on your machine, some of the security restrictions may not be available and cannot be selected.

No adding or changing comments and form fields

Enabling this restriction prevents users from adding or changing comments and creating form fields.

Enable content access for the visually impaired

Enabling this setting allows the visually impaired to read or hear the content of PDF files using Braille terminals or voice output devices.
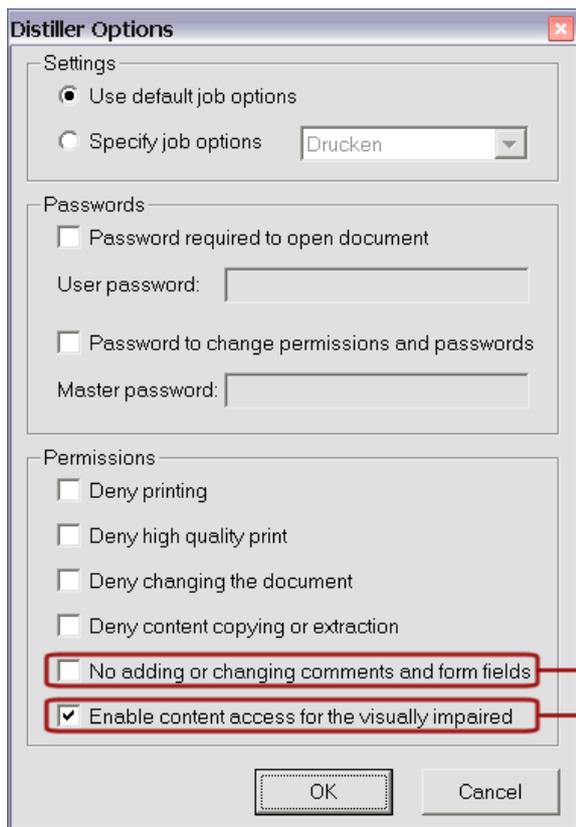
No adding or changing comments and form fields
Enable content access for the visually impaired

Trap unhandled dialogs

In some conversions unhandled dialog windows may appear, mostly when a file is converted directly from internet, a 'enter network password' dialog may appear. JobMasters dialog handler will trap these dialogs. This option is only recommended for unattended operation.

Convert to semicolons instead of commas in CSV

Use semicolon instead of commas when converting to CSV file.

Refresh chart objects in document

When converting files which contain chart objects, the converted layout may differ. This option refreshes the chart objects used before the conversion process begins. When using this option screen flickering may occur.
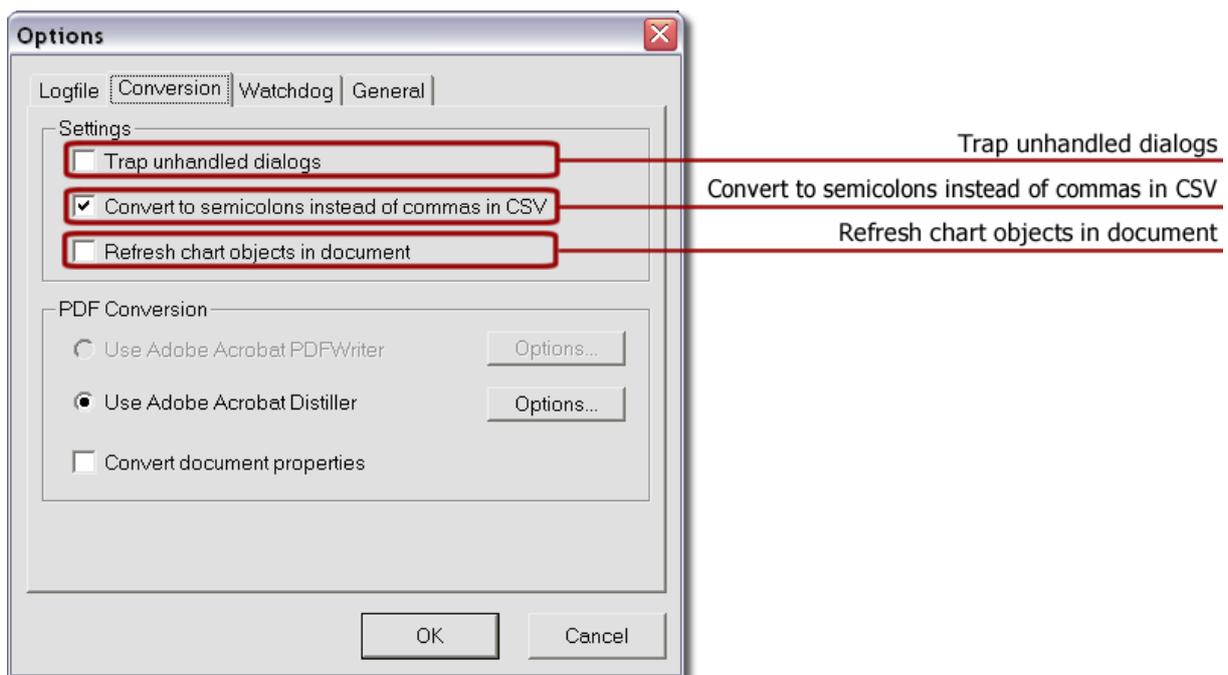
Conversion Watchdog

To convert files into different formats, JobMaster uses Microsoft Office applications such as Word, Excel or PowerPoint. Highest stability and reliability can be guaranteed by activating the internal monitoring system *Watchdog*. Watchdog monitors the current conversion in an independent thread and will close the corresponding Office application in case that the application is hanging. This option is especially recommended when using JobMaster in unattended operation.

In the monitoring limit 'terminate process after', you can set the timeout for the Office application to convert a single file. Choose a value between 3 - 30 minutes. In case that the conversion process lasts longer than the defined time, JobMaster will ask the Office application to finish all pending operations and to close itself. If the Office application does not respond to this request, watchdog will take over and terminate the Office application process. There will be an appropriate entry in the log file.

If you plan to convert larger documents, or you are not sure about the document size, it is recommended to set a value of at least 10 minutes.
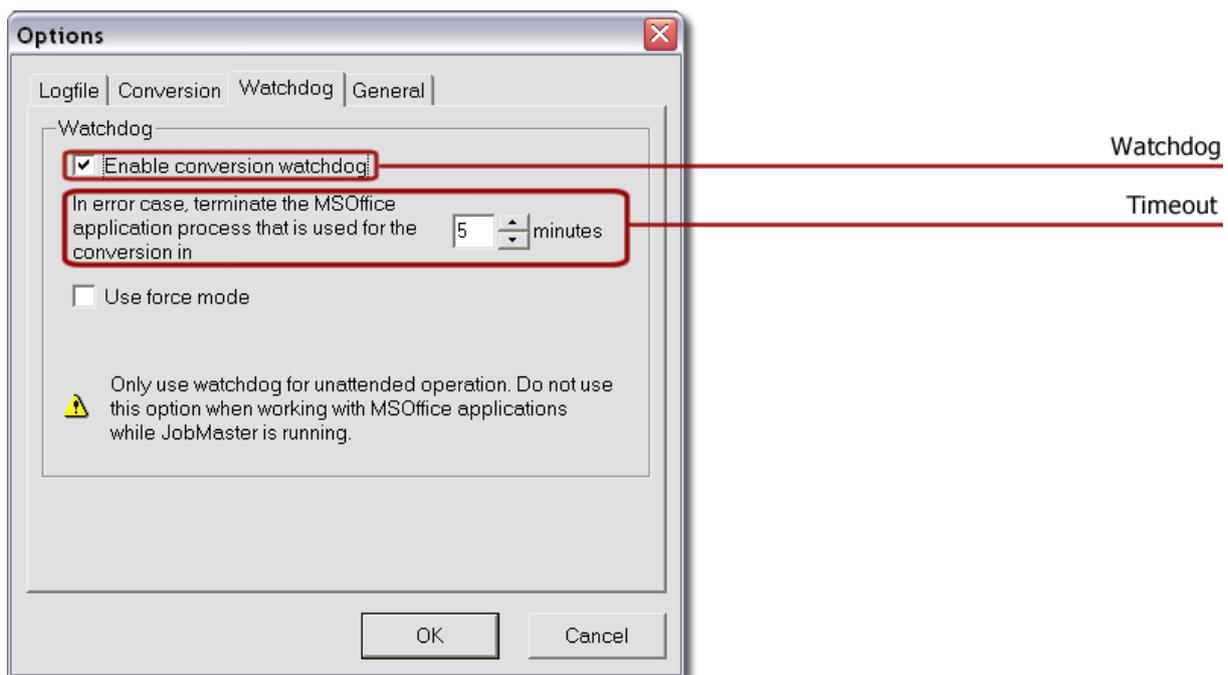
ONLY USE WATCHDOG FOR UNATTENDED OPERATION. DO NOT USE IT WHEN WORKING WITH MSOFFICE APPLICATIONS WHILE JOBMASTER IS RUNNING. YOU CAN LOOSE ANY UNSAVED DATA IF WATCHDOG CLOSES AN MSOFFICE APPLICATION WHILE YOU ARE WORKING WITH IT.

Force Mode

The *Force Mode* option provides additional stability for conversions, because it checks if the Office application, which is needed for a conversion, is already running. Before the conversion process begins, Force Mode will close the Office application process that is used for the conversion. If you are working in MSOffice when the conversion process begins, you can loose any unsaved data when MSOffice is not responding to the close request.
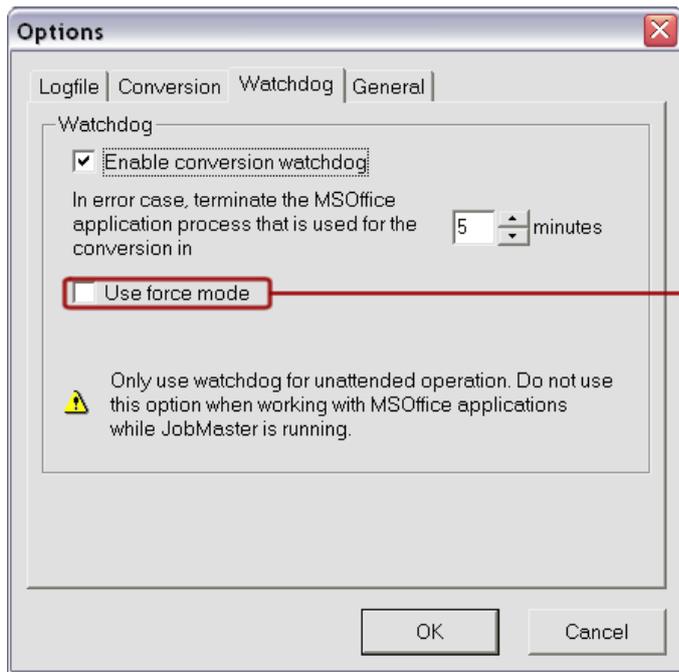
Force mode

⚠️⚠️ ONLY USE WATCHDOG FOR UNATTENDED OPERATION ON SYSTEMS ESPECIALLY DESIGNED FOR CONVERSIONS, FOR EXAMPLE IN A SERVER ENVIRONMENT. NEVER USE THIS SETTING DURING A USER IS WORKING WITH MSOFFICE APPLICATIONS ON THE SAME SYSTEM.

General Settings

Automatically start JobMaster

This option makes sure that JobMaster automatically starts after a system restart and is especially recommended for unattended operation in a server environment.

Minimize JobMaster at startup

The JobMaster console will be minimized after a restart of JobMaster. That means that the program is running in the background and can be activated by clicking the *JobMaster* icon in the taskbar.

Main window always on top

You can use this option to always keep the main window displayed on the screen when you switch programs or windows.
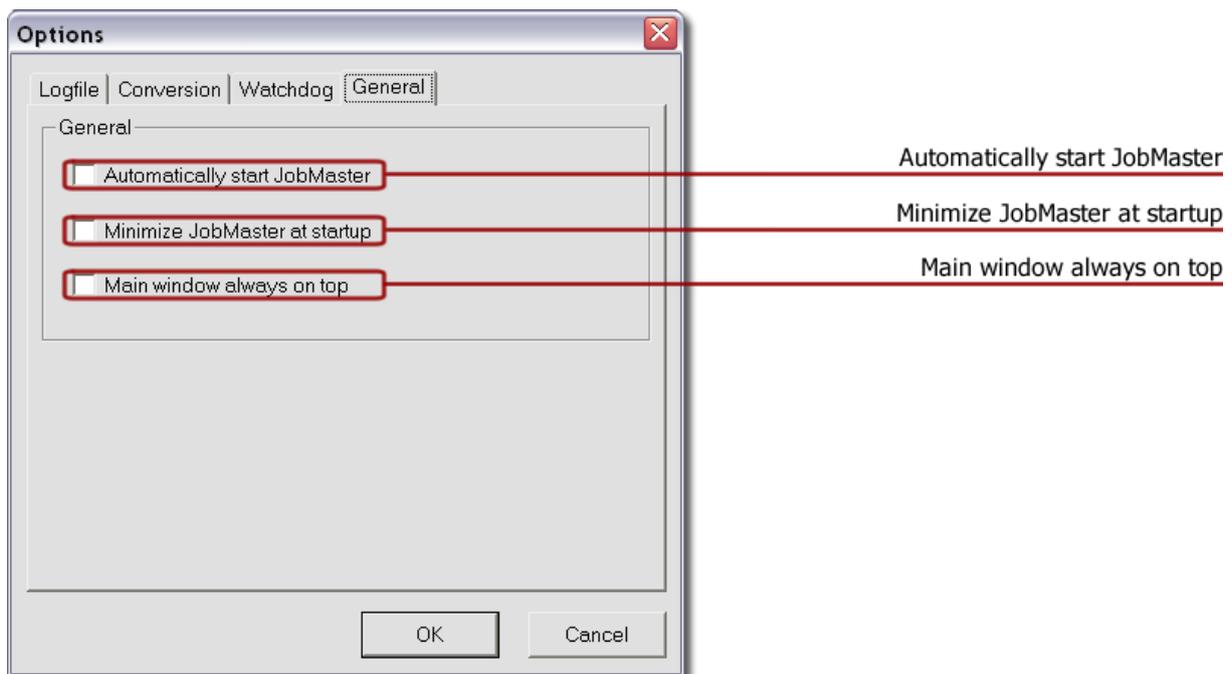
Technical Information

Command Line Options

Usage:

```
JobMaster.exe [Action|Option switches] [Source type|Job name]
["Source file or directory"] ["Destination directory"] [Conversion]
```

Action:

R   Run an existing job.
C   Convert file or directory content.
P   Copy file or directory content.
M   Move file or directory content.
D   Delete file or directory content.
E   Execute file or internet resource.

Option switches

X   Do not overwrite existing file(s).
Y   Overwrite only when source file is newer (overrides X switch).
S   Recursive mode (include subdirectories).
I   Process hidden file(s).
Q   Quit JobMaster after processing command line.
H   Show help dialog.

Source type|Job name

<Job name> Name of job to start for use with action switch R.
FILE   Indicates a single file for copy, move, convert, delete or execute action.
DIR   Indicates a directory for copy, move, convert or delete action.
URL   Indicates internet resource for copy, convert or execute action.

"Source file or directory"

Specifies the source file or directory. Must be a full qualified path and enclosed in double quotes `<"directory">`.
Example: *"C:\My Data\Documents"*

"Destination directory"

Specifies the destination directory. Must be a full qualified path and enclosed in double quotes `<"directory">`.
Example: *"C:\wwwroot\web docs"*

Conversion

Specifies the source and target format for use with action switch *C*. See tables below for desired conversion codes.

Code	Source format	Target format
txt2pdf	ASCII Text File (.txt)	Adobe Acrobat Format (.pdf)
txt2htm	ASCII Text File (.txt)	Web Page (.htm; .html)
txt2doc	ASCII Text File (.txt)	Word Document Format (.doc)
txt2rtf	ASCII Text File (.txt)	Rich Text Format File (.rtf)
txt2dot	ASCII Text File (.txt)	Word Template (.dot)
txt2ans	ASCII Text File (.txt)	Text with Layout Format (.ans)
txt2wpt	ASCII Text File (.txt)	WordPerfect 5.0 File (.doc)
txt2mht	ASCII Text File (.txt)	WebArchive File (.mht; .mhtml)
txt2wps	ASCII Text File (.txt)	Works 4.0 File (.wps)
txt2xml	ASCII Text File (.txt)	XML File Format (.xml)
txt2htf	ASCII Text File (.txt)	Web Page, filtered (.htm)
txt2csv	ASCII Text File (.txt)	Comma Separated Values File (.csv)
txt2dif	ASCII Text File (.txt)	Data Interchange Format File (.dif)
txt2xl2	ASCII Text File (.txt)	Excel 2.1 (.xls)
txt2xl3	ASCII Text File (.txt)	Excel 3.0 (.xls)
txt2xl4	ASCII Text File (.txt)	Excel 4.0 (.xls)
txt2xl5	ASCII Text File (.txt)	Excel 5.0 / 95 (.xls)
txt2xls	ASCII Text File (.txt)	Excel 97-02 & 5.0/95 (.xls)
txt2db2	ASCII Text File (.txt)	dBASE II (.dbf)
txt2db3	ASCII Text File (.txt)	dBASE III (.dbf)
txt2db4	ASCII Text File (.txt)	dBASE IV (.dbf)
txt2wks	ASCII Text File (.txt)	Works 2.0 File / Lotus Worksheet (.wks)
txt2xlt	ASCII Text File (.txt)	Excel Template (.xlt)
txt2slk	ASCII Text File (.txt)	Symbolic Link Format File (.slk)
txt2bmp	ASCII Text File (.txt)	Windows Bitmap (.bmp)
txt2gif	ASCII Text File (.txt)	GIF Format (.gif)
txt2jpg	ASCII Text File (.txt)	JPG Format (.jpg)
txt2png	ASCII Text File (.txt)	PNG Format (.png)
txt2htd	ASCII Text File (.txt)	Web Page, dual (.htm; .html)
txt2ht3	ASCII Text File (.txt)	Web Page, V3 (.htm; .html)
txt2ppt	ASCII Text File (.txt)	PowerPoint Presentation Format (.ppt)
txt2pp7	ASCII Text File (.txt)	Powerpoint 7 (.ppt)
txt2pot	ASCII Text File (.txt)	Powerpoint Template (.pot)
txt2pps	ASCII Text File (.txt)	PowerPoint SlideShow File (.pps)
txt2tif	ASCII Text File (.txt)	TIF Format (.tif)
csv2pdf	Comma Separated Values File (.csv)	Adobe Acrobat Format (.pdf)
csv2htm	Comma Separated Values File (.csv)	Web Page (.htm; .html)
csv2txt	Comma Separated Values File (.csv)	ASCII Text File (.txt)
csv2xml	Comma Separated Values File (.csv)	XML File Format (.xml)
csv2dif	Comma Separated Values File (.csv)	Data Interchange Format File (.dif)
csv2xl2	Comma Separated Values File (.csv)	Excel 2.1 (.xls)
csv2xl3	Comma Separated Values File (.csv)	Excel 3.0 (.xls)
csv2xl4	Comma Separated Values File (.csv)	Excel 4.0 (.xls)
csv2xl5	Comma Separated Values File (.csv)	Excel 5.0 / 95 (.xls)
csv2xls	Comma Separated Values File (.csv)	Excel 97-02 & 5.0/95 (.xls)
csv2db2	Comma Separated Values File (.csv)	dBASE II (.dbf)
csv2db3	Comma Separated Values File (.csv)	dBASE III (.dbf)
csv2db4	Comma Separated Values File (.csv)	dBASE IV (.dbf)
csv2wks	Comma Separated Values File (.csv)	Works 2.0 File / Lotus Worksheet (.wks)
csv2xlt	Comma Separated Values File (.csv)	Excel Template (.xlt)
csv2mht	Comma Separated Values File (.csv)	WebArchive File (.mht; .mhtml)
csv2slk	Comma Separated Values File (.csv)	Symbolic Link Format File (.slk)
dif2pdf	Data Interchange Format File (.dif)	Adobe Acrobat Format (.pdf)
dif2htm	Data Interchange Format File (.dif)	Web Page (.htm; .html)
dif2txt	Data Interchange Format File (.dif)	ASCII Text File (.txt)
dif2xml	Data Interchange Format File (.dif)	XML File Format (.xml)
dif2csv	Data Interchange Format File (.dif)	Comma Separated Values File (.csv)
dif2xl2	Data Interchange Format File (.dif)	Excel 2.1 (.xls)
dif2xl3	Data Interchange Format File (.dif)	Excel 3.0 (.xls)
dif2xl4	Data Interchange Format File (.dif)	Excel 4.0 (.xls)
dif2xl5	Data Interchange Format File (.dif)	Excel 5.0 / 95 (.xls)
dif2xls	Data Interchange Format File (.dif)	Excel 97-02 & 5.0/95 (.xls)
Code	**Source format**	**Target format**

Code	Source format	Target format
dif2db2	Data Interchange Format File (.dif)	dBASE II (.dbf)
dif2db3	Data Interchange Format File (.dif)	dBASE III (.dbf)
dif2db4	Data Interchange Format File (.dif)	dBASE IV (.dbf)
dif2wks	Data Interchange Format File (.dif)	Works 2.0 File / Lotus Worksheet (.wks)
dif2xlt	Data Interchange Format File (.dif)	Excel Template (.xlt)
dif2mht	Data Interchange Format File (.dif)	WebArchive File (.mht; .mhtml)
dif2slk	Data Interchange Format File (.dif)	Symbolic Link Format File (.slk)
dbf2pdf	dBASE File (.dbf)	Adobe Acrobat Format (.pdf)
dbf2htm	dBASE File (.dbf)	Web Page (.htm; .html)
dbf2txt	dBASE File (.dbf)	ASCII Text File (.txt)
dbf2xml	dBASE File (.dbf)	XML File Format (.xml)
dbf2csv	dBASE File (.dbf)	Comma Separated Values File (.csv)
dbf2dif	dBASE File (.dbf)	Data Interchange Format File (.dif)
dbf2xl2	dBASE File (.dbf)	Excel 2.1 (.xls)
dbf2xl3	dBASE File (.dbf)	Excel 3.0 (.xls)
dbf2xl4	dBASE File (.dbf)	Excel 4.0 (.xls)
dbf2xl5	dBASE File (.dbf)	Excel 5.0 / 95 (.xls)
dbf2xls	dBASE File (.dbf)	Excel 97-02 & 5.0/95 (.xls)
dbf2db2	dBASE File (.dbf)	dBASE II (.dbf)
dbf2db3	dBASE File (.dbf)	dBASE III (.dbf)
dbf2db4	dBASE File (.dbf)	dBASE IV (.dbf)
dbf2wks	dBASE File (.dbf)	Works 2.0 File / Lotus Worksheet (.wks)
dbf2xlt	dBASE File (.dbf)	Excel Template (.xlt)
dbf2mht	dBASE File (.dbf)	WebArchive File (.mht; .mhtml)
dbf2slk	dBASE File (.dbf)	Symbolic Link Format File (.slk)
xla2pdf	Excel 4.0 Macro File (.xlm;.xla)	Adobe Acrobat Format (.pdf)
xla2htm	Excel 4.0 Macro File (.xlm;.xla)	Web Page (.htm; .html)
xla2txt	Excel 4.0 Macro File (.xlm;.xla)	ASCII Text File (.txt)
xla2xml	Excel 4.0 Macro File (.xlm;.xla)	XML File Format (.xml)
xla2csv	Excel 4.0 Macro File (.xlm;.xla)	Comma Separated Values File (.csv)
xla2dif	Excel 4.0 Macro File (.xlm;.xla)	Data Interchange Format File (.dif)
xla2xl2	Excel 4.0 Macro File (.xlm;.xla)	Excel 2.1 (.xls)
xla2xl3	Excel 4.0 Macro File (.xlm;.xla)	Excel 3.0 (.xls)
xla2xl4	Excel 4.0 Macro File (.xlm;.xla)	Excel 4.0 (.xls)
xla2xl5	Excel 4.0 Macro File (.xlm;.xla)	Excel 5.0 / 95 (.xls)
xla2xls	Excel 4.0 Macro File (.xlm;.xla)	Excel 97-02 & 5.0/95 (.xls)
xla2db2	Excel 4.0 Macro File (.xlm;.xla)	dBASE II (.dbf)
xla2db3	Excel 4.0 Macro File (.xlm;.xla)	dBASE III (.dbf)
xla2db4	Excel 4.0 Macro File (.xlm;.xla)	dBASE IV (.dbf)
xla2wks	Excel 4.0 Macro File (.xlm;.xla)	Works 2.0 File / Lotus Worksheet (.wks)
xla2xlt	Excel 4.0 Macro File (.xlm;.xla)	Excel Template (.xlt)
xla2mht	Excel 4.0 Macro File (.xlm;.xla)	WebArchive File (.mht; .mhtml)
xla2slk	Excel 4.0 Macro File (.xlm;.xla)	Symbolic Link Format File (.slk)
xls2pdf	Excel File Format (.xls)	Adobe Acrobat Format (.pdf)
xls2htm	Excel File Format (.xls)	Web Page (.htm; .html)
xls2txt	Excel File Format (.xls)	ASCII Text File (.txt)
xls2xml	Excel File Format (.xls)	XML File Format (.xml)
xls2csv	Excel File Format (.xls)	Comma Separated Values File (.csv)
xls2dif	Excel File Format (.xls)	Data Interchange Format File (.dif)
xls2xl2	Excel File Format (.xls)	Excel 2.1 (.xls)
xls2xl3	Excel File Format (.xls)	Excel 3.0 (.xls)
xls2xl4	Excel File Format (.xls)	Excel 4.0 (.xls)
xls2xl5	Excel File Format (.xls)	Excel 5.0 / 95 (.xls)
xls2db2	Excel File Format (.xls)	dBASE II (.dbf)
xls2db3	Excel File Format (.xls)	dBASE III (.dbf)
xls2db4	Excel File Format (.xls)	dBASE IV (.dbf)
xls2wks	Excel File Format (.xls)	Works 2.0 File / Lotus Worksheet (.wks)
xls2xlt	Excel File Format (.xls)	Excel Template (.xlt)
xls2mht	Excel File Format (.xls)	WebArchive File (.mht; .mhtml)
xls2slk	Excel File Format (.xls)	Symbolic Link Format File (.slk)
xlt2pdf	Excel Template (.xlt)	Adobe Acrobat Format (.pdf)
xlt2htm	Excel Template (.xlt)	Web Page (.htm; .html)
xlt2txt	Excel Template (.xlt)	ASCII Text File (.txt)
Code	**Source format**	**Target format**

Code	Source format	Target format
xlt2xml	Excel Template (.xlt)	XML File Format (.xml)
xlt2csv	Excel Template (.xlt)	Comma Separated Values File (.csv)
xlt2dif	Excel Template (.xlt)	Data Interchange Format File (.dif)
xlt2xl2	Excel Template (.xlt)	Excel 2.1 (.xls)
xlt2xl3	Excel Template (.xlt)	Excel 3.0 (.xls)
xlt2xl4	Excel Template (.xlt)	Excel 4.0 (.xls)
xlt2xl5	Excel Template (.xlt)	Excel 5.0 / 95 (.xls)
xlt2xls	Excel Template (.xlt)	Excel 97-02 & 5.0/95 (.xls)
xlt2db2	Excel Template (.xlt)	dBASE II (.dbf)
xlt2db3	Excel Template (.xlt)	dBASE III (.dbf)
xlt2db4	Excel Template (.xlt)	dBASE IV (.dbf)
xlt2wks	Excel Template (.xlt)	Works 2.0 File / Lotus Worksheet (.wks)
xlt2mht	Excel Template (.xlt)	WebArchive File (.mht; .mhtml)
xlt2slk	Excel Template (.xlt)	Symbolic Link Format File (.slk)
prn2pdf	Excel Text File (.prn)	Adobe Acrobat Format (.pdf)
prn2htm	Excel Text File (.prn)	Web Page (.htm; .html)
prn2txt	Excel Text File (.prn)	ASCII Text File (.txt)
prn2xml	Excel Text File (.prn)	XML File Format (.xml)
prn2csv	Excel Text File (.prn)	Comma Separated Values File (.csv)
prn2dif	Excel Text File (.prn)	Data Interchange Format File (.dif)
prn2xl2	Excel Text File (.prn)	Excel 2.1 (.xls)
prn2xl3	Excel Text File (.prn)	Excel 3.0 (.xls)
prn2xl4	Excel Text File (.prn)	Excel 4.0 (.xls)
prn2xl5	Excel Text File (.prn)	Excel 5.0 / 95 (.xls)
prn2xls	Excel Text File (.prn)	Excel 97-02 & 5.0/95 (.xls)
prn2db2	Excel Text File (.prn)	dBASE II (.dbf)
prn2db3	Excel Text File (.prn)	dBASE III (.dbf)
prn2db4	Excel Text File (.prn)	dBASE IV (.dbf)
prn2wks	Excel Text File (.prn)	Works 2.0 File / Lotus Worksheet (.wks)
prn2xlt	Excel Text File (.prn)	Excel Template (.xlt)
prn2mht	Excel Text File (.prn)	WebArchive File (.mht; .mhtml)
prn2slk	Excel Text File (.prn)	Symbolic Link Format File (.slk)
xlw2pdf	Excel Workbook File (.xlw)	Adobe Acrobat Format (.pdf)
xlw2htm	Excel Workbook File (.xlw)	Web Page (.htm; .html)
xlw2txt	Excel Workbook File (.xlw)	ASCII Text File (.txt)
xlw2xml	Excel Workbook File (.xlw)	XML File Format (.xml)
xlw2csv	Excel Workbook File (.xlw)	Comma Separated Values File (.csv)
xlw2dif	Excel Workbook File (.xlw)	Data Interchange Format File (.dif)
xlw2xl2	Excel Workbook File (.xlw)	Excel 2.1 (.xls)
xlw2xl3	Excel Workbook File (.xlw)	Excel 3.0 (.xls)
xlw2xl4	Excel Workbook File (.xlw)	Excel 4.0 (.xls)
xlw2xl5	Excel Workbook File (.xlw)	Excel 5.0 / 95 (.xls)
xlw2xls	Excel Workbook File (.xlw)	Excel 97-02 & 5.0/95 (.xls)
xlw2db2	Excel Workbook File (.xlw)	dBASE II (.dbf)
xlw2db3	Excel Workbook File (.xlw)	dBASE III (.dbf)
xlw2db4	Excel Workbook File (.xlw)	dBASE IV (.dbf)
xlw2wks	Excel Workbook File (.xlw)	Works 2.0 File / Lotus Worksheet (.wks)
xlw2xlt	Excel Workbook File (.xlw)	Excel Template (.xlt)
xlw2mht	Excel Workbook File (.xlw)	WebArchive File (.mht; .mhtml)
xlw2slk	Excel Workbook File (.xlw)	Symbolic Link Format File (.slk)
pre2pdf	Freelance 1.0 - 2.1 Files (.pre)	Adobe Acrobat Format (.pdf)
pre2bmp	Freelance 1.0 - 2.1 Files (.pre)	Windows Bitmap (.bmp)
pre2gif	Freelance 1.0 - 2.1 Files (.pre)	GIF Format (.gif)
pre2jpg	Freelance 1.0 - 2.1 Files (.pre)	JPG Format (.jpg)
pre2png	Freelance 1.0 - 2.1 Files (.pre)	PNG Format (.png)
pre2htm	Freelance 1.0 - 2.1 Files (.pre)	Web Page (.htm; .html)
pre2htd	Freelance 1.0 - 2.1 Files (.pre)	Web Page, dual (.htm; .html)
pre2ht3	Freelance 1.0 - 2.1 Files (.pre)	Web Page, V3 (.htm; .html)
pre2ppt	Freelance 1.0 - 2.1 Files (.pre)	PowerPoint Presentation Format (.ppt)
pre2pp7	Freelance 1.0 - 2.1 Files (.pre)	Powerpoint 7 (.ppt)
pre2xls	Freelance 1.0 - 2.1 Files (.pre)	Excel 97-02 & 5.0/95 (.xls)
pre2rtf	Freelance 1.0 - 2.1 Files (.pre)	Rich Text Format File (.rtf)
pre2pot	Freelance 1.0 - 2.1 Files (.pre)	PowerPoint Template (.pot)
Code	**Source format**	**Target format**

Code	Source format	Target format
pre2mht	Freelance 1.0 - 2.1 Files (.pre)	WebArchive File (.mht; .mhtml)
pre2pps	Freelance 1.0 - 2.1 Files (.pre)	PowerPoint SlideShow File (.pps)
pre2tif	Freelance 1.0 - 2.1 Files (.pre)	TIF Format(.tif)
ch32pdf	Harvard Graphics Chart File (.ch3)	Adobe Acrobat Format (.pdf)
ch32bmp	Harvard Graphics Chart File (.ch3)	Windows Bitmap (.bmp)
ch32gif	Harvard Graphics Chart File (.ch3)	GIF Format (.gif)
ch32jpg	Harvard Graphics Chart File (.ch3)	JPG Format (.jpg)
ch32png	Harvard Graphics Chart File (.ch3)	PNG Format (.png)
ch32htm	Harvard Graphics Chart File (.ch3)	Web Page (.htm; .html)
ch32htd	Harvard Graphics Chart File (.ch3)	Web Page, dual (.htm; .html)
ch32ht3	Harvard Graphics Chart File (.ch3)	Web Page, V3 (.htm; .html)
ch32ppt	Harvard Graphics Chart File (.ch3)	PowerPoint Presentation Format (.ppt)
ch32pp7	Harvard Graphics Chart File (.ch3)	Powerpoint 7 (.ppt)
ch32xls	Harvard Graphics Chart File (.ch3)	Excel 97-02 & 5.0/95 (.xls)
ch32rtf	Harvard Graphics Chart File (.ch3)	Rich Text Format File (.rtf)
ch32pot	Harvard Graphics Chart File (.ch3)	PowerPoint Template (.pot)
ch32mht	Harvard Graphics Chart File (.ch3)	WebArchive File (.mht; .mhtml)
ch32pps	Harvard Graphics Chart File (.ch3)	PowerPoint SlideShow File (.pps)
ch32tif	Harvard Graphics Chart File (.ch3)	TIF Format(.tif)
sh32pdf	Harvard Graphics Show File (.sh3)	Adobe Acrobat Format (.pdf)
sh32bmp	Harvard Graphics Show File (.sh3)	Windows Bitmap (.bmp)
sh32gif	Harvard Graphics Show File (.sh3)	GIF Format (.gif)
sh32jpg	Harvard Graphics Show File (.sh3)	JPG Format (.jpg)
sh32png	Harvard Graphics Show File (.sh3)	PNG Format (.png)
sh32htm	Harvard Graphics Show File (.sh3)	Web Page (.htm; .html)
sh32htd	Harvard Graphics Show File (.sh3)	Web Page, dual (.htm; .html)
sh32ht3	Harvard Graphics Show File (.sh3)	Web Page, V3 (.htm; .html)
sh32ppt	Harvard Graphics Show File (.sh3)	PowerPoint Presentation Format (.ppt)
sh32pp7	Harvard Graphics Show File (.sh3)	Powerpoint 7 (.ppt)
sh32xls	Harvard Graphics Show File (.sh3)	Excel 97-02 & 5.0/95 (.xls)
sh32rtf	Harvard Graphics Show File (.sh3)	Rich Text Format File (.rtf)
sh32pot	Harvard Graphics Show File (.sh3)	PowerPoint Template (.pot)
sh32mht	Harvard Graphics Show File (.sh3)	WebArchive File (.mht; .mhtml)
sh32pps	Harvard Graphics Show File (.sh3)	PowerPoint SlideShow File (.pps)
sh32tif	Harvard Graphics Show File (.sh3)	TIF Format(.tif)
wk*2pdf	Lotus 1-2-3 File (.wk1;.wk3;.wk4)	Adobe Acrobat Format (.pdf)
wk*2htm	Lotus 1-2-3 File (.wk1;.wk3;.wk4)	Web Page (.htm; .html)
wk*2txt	Lotus 1-2-3 File (.wk1;.wk3;.wk4)	ASCII Text File (.txt)
wk*2xml	Lotus 1-2-3 File (.wk1;.wk3;.wk4)	XML File Format (.xml)
wk*2csv	Lotus 1-2-3 File (.wk1;.wk3;.wk4)	Comma Separated Values File (.csv)
wk*2dif	Lotus 1-2-3 File (.wk1;.wk3;.wk4)	Data Interchange Format File (.dif)
wk*2xl2	Lotus 1-2-3 File (.wk1;.wk3;.wk4)	Excel 2.1 (.xls)
wk*2xl3	Lotus 1-2-3 File (.wk1;.wk3;.wk4)	Excel 3.0 (.xls)
wk*2xl4	Lotus 1-2-3 File (.wk1;.wk3;.wk4)	Excel 4.0 (.xls)
wk*2xl5	Lotus 1-2-3 File (.wk1;.wk3;.wk4)	Excel 5.0 / 95 (.xls)
wk*2xls	Lotus 1-2-3 File (.wk1;.wk3;.wk4)	Excel 97-02 & 5.0/95 (.xls)
wk*2db2	Lotus 1-2-3 File (.wk1;.wk3;.wk4)	dBASE II (.dbf)
wk*2db3	Lotus 1-2-3 File (.wk1;.wk3;.wk4)	dBASE III (.dbf)
wk*2db4	Lotus 1-2-3 File (.wk1;.wk3;.wk4)	dBASE IV (.dbf)
wk*2wks	Lotus 1-2-3 File (.wk1;.wk3;.wk4)	Works 2.0 File / Lotus Worksheet (.wks)
wk*2xlt	Lotus 1-2-3 File (.wk1;.wk3;.wk4)	Excel Template (.xlt)
wk*2mht	Lotus 1-2-3 File (.wk1;.wk3;.wk4)	WebArchive File (.mht; .mhtml)
wk*2slk	Lotus 1-2-3 File (.wk1;.wk3;.wk4)	Symbolic Link Format File (.slk)
olk2pdf	Outlook Address Book File (.olk)	Adobe Acrobat Format (.pdf)
olk2htm	Outlook Address Book File (.olk)	Web Page (.htm; .html)
olk2txt	Outlook Address Book File (.olk)	ASCII Text File (.txt)
olk2doc	Outlook Address Book File (.olk)	Word Document Format (.doc)
olk2rtf	Outlook Address Book File (.olk)	Rich Text Format File (.rtf)
olk2dot	Outlook Address Book File (.olk)	Word Template (.dot)
olk2ans	Outlook Address Book File (.olk)	Text with Layout Format (.ans)
olk2wpt	Outlook Address Book File (.olk)	WordPerfect 5.0 File (.doc)
olk2mht	Outlook Address Book File (.olk)	WebArchive File (.mht; .mhtml)
olk2wps	Outlook Address Book File (.olk)	Works 4.0 File (.wps)
Code	**Source format**	**Target format**

Code	Source format	Target format
olk2xml	Outlook Address Book File (.olk)	XML File Format (.xml)
olk2htf	Outlook Address Book File (.olk)	Web Page, filtered (.htm)
pab2pdf	Personal Address Book File (.pab)	Adobe Acrobat Format (.pdf)
pab2htm	Personal Address Book File (.pab)	Web Page (.htm; .html)
pab2txt	Personal Address Book File (.pab)	ASCII Text File (.txt)
pab2doc	Personal Address Book File (.pab)	Word Document Format (.doc)
pab2rtf	Personal Address Book File (.pab)	Rich Text Format File (.rtf)
pab2dot	Personal Address Book File (.pab)	Word Template (.dot)
pab2ans	Personal Address Book File (.pab)	Text with Layout Format (.ans)
pab2wpt	Personal Address Book File (.pab)	WordPerfect 5.0 File (.doc)
pab2mht	Personal Address Book File (.pab)	WebArchive File (.mht; .mhtml)
pab2wps	Personal Address Book File (.pab)	Works 4.0 File (.wps)
pab2xml	Personal Address Book File (.pab)	XML File Format (.xml)
pab2htf	Personal Address Book File (.pab)	Web Page, filtered (.htm)
ppt2pdf	PowerPoint Presentation Format (.ppt)	Adobe Acrobat Format (.pdf)
ppt2bmp	PowerPoint Presentation Format (.ppt)	Windows Bitmap (.bmp)
ppt2gif	PowerPoint Presentation Format (.ppt)	GIF Format (.gif)
ppt2jpg	PowerPoint Presentation Format (.ppt)	JPG Format (.jpg)
ppt2png	PowerPoint Presentation Format (.ppt)	PNG Format (.png)
ppt2htm	PowerPoint Presentation Format (.ppt)	Web Page (.htm; .html)
ppt2htd	PowerPoint Presentation Format (.ppt)	Web Page, dual (.htm; .html)
ppt2ht3	PowerPoint Presentation Format (.ppt)	Web Page, V3 (.htm; .html)
ppt2pp7	PowerPoint Presentation Format (.ppt)	Powerpoint 7 (.ppt)
ppt2xls	PowerPoint Presentation Format (.ppt)	Excel 97-02 & 5.0/95 (.xls)
ppt2rtf	PowerPoint Presentation Format (.ppt)	Rich Text Format File (.rtf)
ppt2pot	PowerPoint Presentation Format (.ppt)	PowerPoint Template (.pot)
ppt2mht	PowerPoint Presentation Format (.ppt)	WebArchive File (.mht; .mhtml)
ppt2pps	PowerPoint Presentation Format (.ppt)	PowerPoint SlideShow File (.pps)
ppt2tif	PowerPoint Presentation Format (.ppt)	TIF Format(.tif)
pps2pdf	PowerPoint SlideShow File (.pps)	Adobe Acrobat Format (.pdf)
pps2bmp	PowerPoint SlideShow File (.pps)	Windows Bitmap (.bmp)
pps2gif	PowerPoint SlideShow File (.pps)	GIF Format (.gif)
pps2jpg	PowerPoint SlideShow File (.pps)	JPG Format (.jpg)
pps2png	PowerPoint SlideShow File (.pps)	PNG Format (.png)
pps2htm	PowerPoint SlideShow File (.pps)	Web Page (.htm; .html)
pps2htd	PowerPoint SlideShow File (.pps)	Web Page, dual (.htm; .html)
pps2ht3	PowerPoint SlideShow File (.pps)	Web Page, V3 (.htm; .html)
pps2ppt	PowerPoint SlideShow File (.pps)	PowerPoint Presentation Format (.ppt)
pps2pp7	PowerPoint SlideShow File (.pps)	Powerpoint 7 (.ppt)
pps2xls	PowerPoint SlideShow File (.pps)	Excel 97-02 & 5.0/95 (.xls)
pps2rtf	PowerPoint SlideShow File (.pps)	Rich Text Format File (.rtf)
pps2pot	PowerPoint SlideShow File (.pps)	PowerPoint Template (.pot)
pps2mht	PowerPoint SlideShow File (.pps)	WebArchive File (.mht; .mhtml)
pps2tif	PowerPoint SlideShow File (.pps)	TIF Format(.tif)
pot2pdf	PowerPoint Template (.pot)	Adobe Acrobat Format (.pdf)
pot2bmp	PowerPoint Template (.pot)	Windows Bitmap (.bmp)
pot2gif	PowerPoint Template (.pot)	GIF Format (.gif)
pot2jpg	PowerPoint Template (.pot)	JPG Format (.jpg)
pot2png	PowerPoint Template (.pot)	PNG Format (.png)
pot2htm	PowerPoint Template (.pot)	Web Page (.htm; .html)
pot2htd	PowerPoint Template (.pot)	Web Page, dual (.htm; .html)
pot2ht3	PowerPoint Template (.pot)	Web Page, V3 (.htm; .html)
pot2ppt	PowerPoint Template (.pot)	PowerPoint Presentation Format (.ppt)
pot2pp7	PowerPoint Template (.pot)	Powerpoint 7 (.ppt)
pot2xls	PowerPoint Template (.pot)	Excel 97-02 & 5.0/95 (.xls)
pot2rtf	PowerPoint Template (.pot)	Rich Text Format File (.rtf)
pot2mht	PowerPoint Template (.pot)	WebArchive File (.mht; .mhtml)
pot2pps	PowerPoint Template (.pot)	PowerPoint SlideShow File (.pps)
pot2tif	PowerPoint Template (.pot)	TIF Format(.tif)
wb12pdf	Quattro Pro/DOS File (.wq1;.wb1)	Adobe Acrobat Format (.pdf)
wb12htm	Quattro Pro/DOS File (.wq1;.wb1)	Web Page (.htm; .html)
wb12txt	Quattro Pro/DOS File (.wq1;.wb1)	ASCII Text File (.txt)
wb12xml	Quattro Pro/DOS File (.wq1;.wb1)	XML File Format (.xml)
Code	**Source format**	**Target format**

Code	Source format	Target format
wb12csv	Quattro Pro/DOS File (.wq1;.wb1)	Comma Separated Values File (.csv)
wb12dif	Quattro Pro/DOS File (.wq1;.wb1)	Data Interchange Format File (.dif)
wb12xl2	Quattro Pro/DOS File (.wq1;.wb1)	Excel 2.1 (.xls)
wb12xl3	Quattro Pro/DOS File (.wq1;.wb1)	Excel 3.0 (.xls)
wb12xl4	Quattro Pro/DOS File (.wq1;.wb1)	Excel 4.0 (.xls)
wb12xl5	Quattro Pro/DOS File (.wq1;.wb1)	Excel 5.0 / 95 (.xls)
wb12xls	Quattro Pro/DOS File (.wq1;.wb1)	Excel 97-02 & 5.0/95 (.xls)
wb12db2	Quattro Pro/DOS File (.wq1;.wb1)	dBASE II (.dbf)
wb12db3	Quattro Pro/DOS File (.wq1;.wb1)	dBASE III (.dbf)
wb12db4	Quattro Pro/DOS File (.wq1;.wb1)	dBASE IV (.dbf)
wb12wks	Quattro Pro/DOS File (.wq1;.wb1)	Works 2.0 File / Lotus Worksheet (.wks)
wb12xlt	Quattro Pro/DOS File (.wq1;.wb1)	Excel Template (.xlt)
wb12mht	Quattro Pro/DOS File (.wq1;.wb1)	WebArchive File (.mht; .mhtml)
wb12slk	Quattro Pro/DOS File (.wq1;.wb1)	Symbolic Link Format File (.slk)
iqy2pdf	Query File Format (.iqy)	Adobe Acrobat Format (.pdf)
iqy2htm	Query File Format (.iqy)	Web Page (.htm; .html)
iqy2txt	Query File Format (.iqy)	ASCII Text File (.txt)
iqy2xml	Query File Format (.iqy)	XML File Format (.xml)
iqy2csv	Query File Format (.iqy)	Comma Separated Values File (.csv)
iqy2dif	Query File Format (.iqy)	Data Interchange Format File (.dif)
iqy2xl2	Query File Format (.iqy)	Excel 2.1 (.xls)
iqy2xl3	Query File Format (.iqy)	Excel 3.0 (.xls)
iqy2xl4	Query File Format (.iqy)	Excel 4.0 (.xls)
iqy2xl5	Query File Format (.iqy)	Excel 5.0 / 95 (.xls)
iqy2xls	Query File Format (.iqy)	Excel 97-02 & 5.0/95 (.xls)
iqy2db2	Query File Format (.iqy)	dBASE II (.dbf)
iqy2db3	Query File Format (.iqy)	dBASE III (.dbf)
iqy2db4	Query File Format (.iqy)	dBASE IV (.dbf)
iqy2wks	Query File Format (.iqy)	Works 2.0 File / Lotus Worksheet (.wks)
iqy2xlt	Query File Format (.iqy)	Excel Template (.xlt)
iqy2mht	Query File Format (.iqy)	WebArchive File (.mht; .mhtml)
iqy2slk	Query File Format (.iqy)	Symbolic Link Format File (.slk)
rtf2pdf	Rich Text Format File (.rtf)	Adobe Acrobat Format (.pdf)
rtf2htm	Rich Text Format File (.rtf)	Web Page (.htm; .html)
rtf2txt	Rich Text Format File (.rtf)	ASCII Text File (.txt)
rtf2doc	Rich Text Format File (.rtf)	Word Document Format (.doc)
rtf2dot	Rich Text Format File (.rtf)	Word Template (.dot)
rtf2ans	Rich Text Format File (.rtf)	Text with Layout Format (.ans)
rtf2wpt	Rich Text Format File (.rtf)	WordPerfect 5.0 File (.doc)
rtf2mht	Rich Text Format File (.rtf)	WebArchive File (.mht; .mhtml)
rtf2wps	Rich Text Format File (.rtf)	Works 4.0 File (.wps)
rtf2xml	Rich Text Format File (.rtf)	XML File Format (.xml)
rtf2htf	Rich Text Format File (.rtf)	Web Page, filtered (.htm)
rtf2bmp	Rich Text Format File (.rtf)	Windows Bitmap (.bmp)
rtf2gif	Rich Text Format File (.rtf)	GIF Format (.gif)
rtf2jpg	Rich Text Format File (.rtf)	JPG Format (.jpg)
rtf2png	Rich Text Format File (.rtf)	PNG Format (.png)
rtf2htd	Rich Text Format File (.rtf)	Web Page, dual (.htm; .html)
rtf2ht3	Rich Text Format File (.rtf)	Web Page, V3 (.htm; .html)
rtf2ppt	Rich Text Format File (.rtf)	PowerPoint Presentation Format (.ppt)
rtf2pp7	Rich Text Format File (.rtf)	Powerpoint 7 (.ppt)
rtf2pot	Rich Text Format File (.rtf)	Powerpoint Template (.pot)
rtf2pps	Rich Text Format File (.rtf)	PowerPoint SlideShow File (.pps)
rtf2tif	Rich Text Format File (.rtf)	TIF Format (.tif)
rpw2pdf	SAP Report Writer File (.rpw)	Adobe Acrobat Format (.pdf)
rpw2htm	SAP Report Writer File (.rpw)	Web Page (.htm; .html)
rpw2txt	SAP Report Writer File (.rpw)	ASCII Text File (.txt)
rpw2xml	SAP Report Writer File (.rpw)	XML File Format (.xml)
rpw2csv	SAP Report Writer File (.rpw)	Comma Separated Values File (.csv)
rpw2dif	SAP Report Writer File (.rpw)	Data Interchange Format File (.dif)
rpw2xl2	SAP Report Writer File (.rpw)	Excel 2.1 (.xls)
rpw2xl3	SAP Report Writer File (.rpw)	Excel 3.0 (.xls)
rpw2xl4	SAP Report Writer File (.rpw)	Excel 4.0 (.xls)
Code	**Source format**	**Target format**

Code	Source format	Target format
rpw2xl5	SAP Report Writer File (.rpw)	Excel 5.0 / 95 (.xls)
rpw2xls	SAP Report Writer File (.rpw)	Excel 97-02 & 5.0/95 (.xls)
rpw2db2	SAP Report Writer File (.rpw)	dBASE II (.dbf)
rpw2db3	SAP Report Writer File (.rpw)	dBASE III (.dbf)
rpw2db4	SAP Report Writer File (.rpw)	dBASE IV (.dbf)
rpw2wks	SAP Report Writer File (.rpw)	Works 2.0 File / Lotus Worksheet (.wks)
rpw2xlt	SAP Report Writer File (.rpw)	Excel Template (.xlt)
rpw2mht	SAP Report Writer File (.rpw)	WebArchive File (.mht; .mhtml)
rpw2slk	SAP Report Writer File (.rpw)	Symbolic Link Format File (.slk)
scd2pdf	Schedule+ Contacts File (.scd)	Adobe Acrobat Format (.pdf)
scd2htm	Schedule+ Contacts File (.scd)	Web Page (.htm; .html)
scd2txt	Schedule+ Contacts File (.scd)	ASCII Text File (.txt)
scd2doc	Schedule+ Contacts File (.scd)	Word Document Format (.doc)
scd2rtf	Schedule+ Contacts File (.scd)	Rich Text Format File (.rtf)
scd2dot	Schedule+ Contacts File (.scd)	Word Template (.dot)
scd2ans	Schedule+ Contacts File (.scd)	Text with Layout Format (.ans)
scd2wpt	Schedule+ Contacts File (.scd)	WordPerfect 5.0 File (.doc)
scd2mht	Schedule+ Contacts File (.scd)	WebArchive File (.mht; .mhtml)
scd2wps	Schedule+ Contacts File (.scd)	Works 4.0 File (.wps)
scd2xml	Schedule+ Contacts File (.scd)	XML File Format (.xml)
scd2htf	Schedule+ Contacts File (.scd)	Web Page, filtered (.htm)
slk2pdf	Symbolic Link Format File (.slk)	Adobe Acrobat Format (.pdf)
slk2htm	Symbolic Link Format File (.slk)	Web Page (.htm; .html)
slk2txt	Symbolic Link Format File (.slk)	ASCII Text File (.txt)
slk2xml	Symbolic Link Format File (.slk)	XML File Format (.xml)
slk2csv	Symbolic Link Format File (.slk)	Comma Separated Values File (.csv)
slk2dif	Symbolic Link Format File (.slk)	Data Interchange Format File (.dif)
slk2xl2	Symbolic Link Format File (.slk)	Excel 2.1 (.xls)
slk2xl3	Symbolic Link Format File (.slk)	Excel 3.0 (.xls)
slk2xl4	Symbolic Link Format File (.slk)	Excel 4.0 (.xls)
slk2xl5	Symbolic Link Format File (.slk)	Excel 5.0 / 95 (.xls)
slk2xls	Symbolic Link Format File (.slk)	Excel 97-02 & 5.0/95 (.xls)
slk2db2	Symbolic Link Format File (.slk)	dBASE II (.dbf)
slk2db3	Symbolic Link Format File (.slk)	dBASE III (.dbf)
slk2db4	Symbolic Link Format File (.slk)	dBASE IV (.dbf)
slk2wks	Symbolic Link Format File (.slk)	Works 2.0 File / Lotus Worksheet (.wks)
slk2xlt	Symbolic Link Format File (.slk)	Excel Template (.xlt)
slk2mht	Symbolic Link Format File (.slk)	WebArchive File (.mht; .mhtml)
ans2pdf	Text with Layout Format (.ans)	Adobe Acrobat Format (.pdf)
ans2htm	Text with Layout Format (.ans)	Web Page (.htm; .html)
ans2txt	Text with Layout Format (.ans)	ASCII Text File (.txt)
ans2doc	Text with Layout Format (.ans)	Word Document Format (.doc)
ans2rtf	Text with Layout Format (.ans)	Rich Text Format File (.rtf)
ans2dot	Text with Layout Format (.ans)	Word Template (.dot)
ans2wpt	Text with Layout Format (.ans)	WordPerfect 5.0 File (.doc)
ans2mht	Text with Layout Format (.ans)	WebArchive File (.mht; .mhtml)
ans2wps	Text with Layout Format (.ans)	Works 4.0 File (.wps)
ans2xml	Text with Layout Format (.ans)	XML File Format (.xml)
ans2htf	Text with Layout Format (.ans)	Web Page, filtered (.htm)
htm2pdf	Web Page (.htm;.html)	Adobe Acrobat Format (.pdf)
htm2txt	Web Page (.htm;.html)	ASCII Text File (.txt)
htm2doc	Web Page (.htm;.html)	Word Document Format (.doc)
htm2rtf	Web Page (.htm;.html)	Rich Text Format File (.rtf)
htm2dot	Web Page (.htm;.html)	Word Template (.dot)
htm2ans	Web Page (.htm;.html)	Text with Layout Format (.ans)
htm2wpt	Web Page (.htm;.html)	WordPerfect 5.0 File (.doc)
htm2mht	Web Page (.htm;.html)	WebArchive File (.mht; .mhtml)
htm2wps	Web Page (.htm;.html)	Works 4.0 File (.wps)
htm2xml	Web Page (.htm;.html)	XML File Format (.xml)
htm2htf	Web Page (.htm;.html)	Web Page, filtered (.htm)
htm2csv	Web Page (.htm;.html)	Comma Separated Values File (.csv)
htm2dif	Web Page (.htm;.html)	Data Interchange Format File (.dif)
htm2xl2	Web Page (.htm;.html)	Excel 2.1 (.xls)
Code	**Source format**	**Target format**

Code	Source format	Target format
htm2xl3	Web Page (.htm;.html)	Excel 3.0 (.xls)
htm2xl4	Web Page (.htm;.html)	Excel 4.0 (.xls)
htm2xl5	Web Page (.htm;.html)	Excel 5.0 / 95 (.xls)
htm2xls	Web Page (.htm;.html)	Excel 97-02 & 5.0/95 (.xls)
htm2db2	Web Page (.htm;.html)	dBASE II (.dbf)
htm2db3	Web Page (.htm;.html)	dBASE III (.dbf)
htm2db4	Web Page (.htm;.html)	dBASE IV (.dbf)
htm2wks	Web Page (.htm;.html)	Works 2.0 File / Lotus Worksheet (.wks)
htm2xlt	Web Page (.htm;.html)	Excel Template (.xlt)
htm2slk	Web Page (.htm;.html)	Symbolic Link Format File (.slk)
htm2bmp	Web Page (.htm;.html)	Windows Bitmap (.bmp)
htm2gif	Web Page (.htm;.html)	GIF Format (.gif)
htm2jpg	Web Page (.htm;.html)	JPG Format (.jpg)
htm2png	Web Page (.htm;.html)	PNG Format (.png)
htm2htd	Web Page (.htm;.html)	Web Page, dual (.htm; .html)
htm2ht3	Web Page (.htm;.html)	Web Page, V3 (.htm; .html)
htm2ppt	Web Page (.htm;.html)	PowerPoint Presentation Format (.ppt)
htm2pp7	Web Page (.htm;.html)	Powerpoint 7 (.ppt)
htm2pot	Web Page (.htm;.html)	Powerpoint Template (.pot)
htm2pps	Web Page (.htm;.html)	PowerPoint SlideShow File (.pps)
htm2tif	Web Page (.htm;.html)	TIF Format (.tif)
mht2pdf	WebArchive File (.mht;.mhtml)	Adobe Acrobat Format (.pdf)
mht2htm	WebArchive File (.mht;.mhtml)	Web Page (.htm; .html)
mht2txt	WebArchive File (.mht;.mhtml)	ASCII Text File (.txt)
mht2doc	WebArchive File (.mht;.mhtml)	Word Document Format (.doc)
mht2rtf	WebArchive File (.mht;.mhtml)	Rich Text Format File (.rtf)
mht2dot	WebArchive File (.mht;.mhtml)	Word Template (.dot)
mht2ans	WebArchive File (.mht;.mhtml)	Text with Layout Format (.ans)
mht2wpt	WebArchive File (.mht;.mhtml)	WordPerfect 5.0 File (.doc)
mht2wps	WebArchive File (.mht;.mhtml)	Works 4.0 File (.wps)
mht2xml	WebArchive File (.mht;.mhtml)	XML File Format (.xml)
mht2htf	WebArchive File (.mht;.mhtml)	Web Page, filtered (.htm)
mht2csv	WebArchive File (.mht;.mhtml)	Comma Separated Values File (.csv)
mht2dif	WebArchive File (.mht;.mhtml)	Data Interchange Format File (.dif)
mht2xl2	WebArchive File (.mht;.mhtml)	Excel 2.1 (.xls)
mht2xl3	WebArchive File (.mht;.mhtml)	Excel 3.0 (.xls)
mht2xl4	WebArchive File (.mht;.mhtml)	Excel 4.0 (.xls)
mht2xl5	WebArchive File (.mht;.mhtml)	Excel 5.0 / 95 (.xls)
mht2xls	WebArchive File (.mht;.mhtml)	Excel 97-02 & 5.0/95 (.xls)
mht2db2	WebArchive File (.mht;.mhtml)	dBASE II (.dbf)
mht2db3	WebArchive File (.mht;.mhtml)	dBASE III (.dbf)
mht2db4	WebArchive File (.mht;.mhtml)	dBASE IV (.dbf)
mht2wks	WebArchive File (.mht;.mhtml)	Works 2.0 File / Lotus Worksheet (.wks)
mht2xlt	WebArchive File (.mht;.mhtml)	Excel Template (.xlt)
mht2slk	WebArchive File (.mht;.mhtml)	Symbolic Link Format File (.slk)
mht2bmp	WebArchive File (.mht;.mhtml)	Windows Bitmap (.bmp)
mht2gif	WebArchive File (.mht;.mhtml)	GIF Format (.gif)
mht2jpg	WebArchive File (.mht;.mhtml)	JPG Format (.jpg)
mht2png	WebArchive File (.mht;.mhtml)	PNG Format (.png)
mht2htd	WebArchive File (.mht;.mhtml)	Web Page, dual (.htm; .html)
mht2ht3	WebArchive File (.mht;.mhtml)	Web Page, V3 (.htm; .html)
mht2ppt	WebArchive File (.mht;.mhtml)	PowerPoint Presentation Format (.ppt)
mht2pp7	WebArchive File (.mht;.mhtml)	Powerpoint 7 (.ppt)
mht2pot	WebArchive File (.mht;.mhtml)	Powerpoint Template (.pot)
mht2pps	WebArchive File (.mht;.mhtml)	PowerPoint SlideShow File (.pps)
mht2tif	WebArchive File (.mht;.mhtml)	TIF Format (.tif)
wri2pdf	Windows Write File (.wri)	Adobe Acrobat Format (.pdf)
wri2htm	Windows Write File (.wri)	Web Page (.htm; .html)
wri2txt	Windows Write File (.wri)	ASCII Text File (.txt)
wri2doc	Windows Write File (.wri)	Word Document Format (.doc)
wri2rtf	Windows Write File (.wri)	Rich Text Format File (.rtf)
wri2dot	Windows Write File (.wri)	Word Template (.dot)
wri2ans	Windows Write File (.wri)	Text with Layout Format (.ans)
Code	**Source format**	**Target format**

Code	Source format	Target format
wri2wpt	Windows Write File (.wri)	WordPerfect 5.0 File (.doc)
wri2mht	Windows Write File (.wri)	WebArchive File (.mht; .mhtml)
wri2wps	Windows Write File (.wri)	Works 4.0 File (.wps)
wri2xml	Windows Write File (.wri)	XML File Format (.xml)
wri2htf	Windows Write File (.wri)	Web Page, filtered (.htm)
doc2pdf	Word Document Format (.doc)	Adobe Acrobat Format (.pdf)
doc2htm	Word Document Format (.doc)	Web Page (.htm; .html)
doc2txt	Word Document Format (.doc)	ASCII Text File (.txt)
doc2rtf	Word Document Format (.doc)	Rich Text Format File (.rtf)
doc2dot	Word Document Format (.doc)	Word Template (.dot)
doc2ans	Word Document Format (.doc)	Text with Layout Format (.ans)
doc2wpt	Word Document Format (.doc)	WordPerfect 5.0 File (.doc)
doc2mht	Word Document Format (.doc)	WebArchive File (.mht; .mhtml)
doc2wps	Word Document Format (.doc)	Works 4.0 File (.wps)
doc2xml	Word Document Format (.doc)	XML File Format (.xml)
doc2htf	Word Document Format (.doc)	Web Page, filtered (.htm)
mcw2pdf	Word for Macintosh Format (.mcw)	Adobe Acrobat Format (.pdf)
mcw2htm	Word for Macintosh Format (.mcw)	Web Page (.htm; .html)
mcw2txt	Word for Macintosh Format (.mcw)	ASCII Text File (.txt)
mcw2doc	Word for Macintosh Format (.mcw)	Word Document Format (.doc)
mcw2rtf	Word for Macintosh Format (.mcw)	Rich Text Format File (.rtf)
mcw2dot	Word for Macintosh Format (.mcw)	Word Template (.dot)
mcw2ans	Word for Macintosh Format (.mcw)	Text with Layout Format (.ans)
mcw2wpt	Word for Macintosh Format (.mcw)	WordPerfect 5.0 File (.doc)
mcw2mht	Word for Macintosh Format (.mcw)	WebArchive File (.mht; .mhtml)
mcw2wps	Word for Macintosh Format (.mcw)	Works 4.0 File (.wps)
mcw2xml	Word for Macintosh Format (.mcw)	XML File Format (.xml)
mcw2htf	Word for Macintosh Format (.mcw)	Web Page, filtered (.htm)
dot2pdf	Word Template (.dot)	Adobe Acrobat Format (.pdf)
dot2htm	Word Template (.dot)	Web Page (.htm; .html)
dot2txt	Word Template (.dot)	ASCII Text File (.txt)
dot2doc	Word Template (.dot)	Word Document Format (.doc)
dot2rtf	Word Template (.dot)	Rich Text Format File (.rtf)
dot2ans	Word Template (.dot)	Text with Layout Format (.ans)
dot2wpt	Word Template (.dot)	WordPerfect 5.0 File (.doc)
dot2mht	Word Template (.dot)	WebArchive File (.mht; .mhtml)
dot2wps	Word Template (.dot)	Works 4.0 File (.wps)
dot2xml	Word Template (.dot)	XML File Format (.xml)
dot2htf	Word Template (.dot)	Web Page, filtered (.htm)
wpt2pdf	WordPerfect 5.0 File (.doc)	Adobe Acrobat Format (.pdf)
wpt2htm	WordPerfect 5.0 File (.doc)	Web Page (.htm; .html)
wpt2txt	WordPerfect 5.0 File (.doc)	ASCII Text File (.txt)
wpt2doc	WordPerfect 5.0 File (.doc)	Word Document Format (.doc)
wpt2rtf	WordPerfect 5.0 File (.doc)	Rich Text Format File (.rtf)
wpt2dot	WordPerfect 5.0 File (.doc)	Word Template (.dot)
wpt2ans	WordPerfect 5.0 File (.doc)	Text with Layout Format (.ans)
wpt2mht	WordPerfect 5.0 File (.doc)	WebArchive File (.mht; .mhtml)
wpt2wps	WordPerfect 5.0 File (.doc)	Works 4.0 File (.wps)
wpt2xml	WordPerfect 5.0 File (.doc)	XML File Format (.xml)
wpt2htf	WordPerfect 5.0 File (.doc)	Web Page, filtered (.htm)
wpd2pdf	WordPerfect 6.x File (.wpd)	Adobe Acrobat Format (.pdf)
wpd2htm	WordPerfect 6.x File (.wpd)	Web Page (.htm; .html)
wpd2txt	WordPerfect 6.x File (.wpd)	ASCII Text File (.txt)
wpd2doc	WordPerfect 6.x File (.wpd)	Word Document Format (.doc)
wpd2rtf	WordPerfect 6.x File (.wpd)	Rich Text Format File (.rtf)
wpd2dot	WordPerfect 6.x File (.wpd)	Word Template (.dot)
wpd2ans	WordPerfect 6.x File (.wpd)	Text with Layout Format (.ans)
wpd2wpt	WordPerfect 6.x File (.wpd)	WordPerfect 5.0 File (.doc)
wpd2mht	WordPerfect 6.x File (.wpd)	WebArchive File (.mht; .mhtml)
wpd2wps	WordPerfect 6.x File (.wpd)	Works 4.0 File (.wps)
wpd2xml	WordPerfect 6.x File (.wpd)	XML File Format (.xml)
wpd2htf	WordPerfect 6.x File (.wpd)	Web Page, filtered (.htm)
wks2pdf	Works 2.0 File / Lotus Worksheet (.wks)	Adobe Acrobat Format (.pdf)
Code	**Source format**	**Target format**

wks2htm	Works 2.0 File / Lotus Worksheet (.wks)	Web Page (.htm; .html)
wks2txt	Works 2.0 File / Lotus Worksheet (.wks)	ASCII Text File (.txt)
wks2xml	Works 2.0 File / Lotus Worksheet (.wks)	XML File Format (.xml)
wks2csv	Works 2.0 File / Lotus Worksheet (.wks)	Comma Separated Values File (.csv)
wks2dif	Works 2.0 File / Lotus Worksheet (.wks)	Data Interchange Format File (.dif)
wks2xl2	Works 2.0 File / Lotus Worksheet (.wks)	Excel 2.1 (.xls)
wks2xl3	Works 2.0 File / Lotus Worksheet (.wks)	Excel 3.0 (.xls)
wks2xl4	Works 2.0 File / Lotus Worksheet (.wks)	Excel 4.0 (.xls)
wks2xl5	Works 2.0 File / Lotus Worksheet (.wks)	Excel 5.0 / 95 (.xls)
wks2xls	Works 2.0 File / Lotus Worksheet (.wks)	Excel 97-02 & 5.0/95 (.xls)
wks2db2	Works 2.0 File / Lotus Worksheet (.wks)	dBASE II (.dbf)
wks2db3	Works 2.0 File / Lotus Worksheet (.wks)	dBASE III (.dbf)
wks2db4	Works 2.0 File / Lotus Worksheet (.wks)	dBASE IV (.dbf)
wks2xlt	Works 2.0 File / Lotus Worksheet (.wks)	Excel Template (.xlt)
wks2mht	Works 2.0 File / Lotus Worksheet (.wks)	WebArchive File (.mht; .mhtml)
wks2slk	Works 2.0 File / Lotus Worksheet (.wks)	Symbolic Link Format File (.slk)
wps2pdf	Works 4.0 File (.wps)	Adobe Acrobat Format (.pdf)
wps2htm	Works 4.0 File (.wps)	Web Page (.htm; .html)
wps2txt	Works 4.0 File (.wps)	ASCII Text File (.txt)
wps2doc	Works 4.0 File (.wps)	Word Document Format (.doc)
wps2rtf	Works 4.0 File (.wps)	Rich Text Format File (.rtf)
wps2dot	Works 4.0 File (.wps)	Word Template (.dot)
wps2ans	Works 4.0 File (.wps)	Text with Layout Format (.ans)
wps2wpt	Works 4.0 File (.wps)	WordPerfect 5.0 File (.doc)
wps2mht	Works 4.0 File (.wps)	WebArchive File (.mht; .mhtml)
wps2wps	Works 4.0 File (.wps)	Works 4.0 File (.wps)
wps2xml	Works 4.0 File (.wps)	XML File Format (.xml)
wps2htf	Works 4.0 File (.wps)	Web Page, filtered (.htm)
wps2bmp	Works 4.0 File (.wps)	Windows Bitmap (.bmp)
wps2gif	Works 4.0 File (.wps)	GIF Format (.gif)
wps2jpg	Works 4.0 File (.wps)	JPG Format (.jpg)
wps2png	Works 4.0 File (.wps)	PNG Format (.png)
wps2htd	Works 4.0 File (.wps)	Web Page, dual (.htm; .html)
wps2ht3	Works 4.0 File (.wps)	Web Page, V3 (.htm; .html)
wps2ppt	Works 4.0 File (.wps)	PowerPoint Presentation Format (.ppt)
wps2pp7	Works 4.0 File (.wps)	Powerpoint 7 (.ppt)
wps2pot	Works 4.0 File (.wps)	Powerpoint Template (.pot)
wps2pps	Works 4.0 File (.wps)	PowerPoint SlideShow File (.pps)
wps2tif	Works 4.0 File (.wps)	TIF Format (.tif)
xml2pdf	XML File Format (.xml)	Adobe Acrobat Format (.pdf)
xml2htm	XML File Format (.xml)	Web Page (.htm; .html)
xml2txt	XML File Format (.xml)	ASCII Text File (.txt)
xml2doc	XML File Format (.xml)	Word Document Format (.doc)
xml2rtf	XML File Format (.xml)	Rich Text Format File (.rtf)
xml2dot	XML File Format (.xml)	Word Template (.dot)
xml2ans	XML File Format (.xml)	Text with Layout Format (.ans)
xml2wpt	XML File Format (.xml)	WordPerfect 5.0 File (.doc)
xml2mht	XML File Format (.xml)	WebArchive File (.mht; .mhtml)
xml2wps	XML File Format (.xml)	Works 4.0 File (.wps)
xml2htf	XML File Format (.xml)	Web Page, filtered (.htm)
xml2csv	XML File Format (.xml)	Comma Separated Values File (.csv)
xml2dif	XML File Format (.xml)	Data Interchange Format File (.dif)
xml2xl2	XML File Format (.xml)	Excel 2.1 (.xls)
xml2xl3	XML File Format (.xml)	Excel 3.0 (.xls)
xml2xl4	XML File Format (.xml)	Excel 4.0 (.xls)
xml2xl5	XML File Format (.xml)	Excel 5.0 / 95 (.xls)
xml2xls	XML File Format (.xml)	Excel 97-02 & 5.0/95 (.xls)
xml2db2	XML File Format (.xml)	dBASE II (.dbf)
xml2db3	XML File Format (.xml)	dBASE III (.dbf)
xml2db4	XML File Format (.xml)	dBASE IV (.dbf)
xml2wks	XML File Format (.xml)	Works 2.0 File / Lotus Worksheet (.wks)
xml2xlt	XML File Format (.xml)	Excel Template (.xlt)
xml2slk	XML File Format (.xml)	Symbolic Link Format File (.slk)

Command line examples

Run the job *Daily Reports* and close JobMaster:

```
JobMaster.exe RQ Daily Reports
```

Convert all *.doc files in *C:\My Data* and subfolders to PDF format to *C:\Web\My Documents* and close JobMaster:

```
JobMaster.exe CSQ DIR "C:\My Data" "C:\Web\My Documents" DOC2PDF
```

Convert the file *C:\My Documents\factsheet.xls* to HTML to *\\server01\webshare*web if the source file is newer:

```
JobMaster.exe CY FILE "C:\My Documents\factsheet.xls"
"\\server01\webshare\web" XLS2HTM
```

Copy all newer files in *C:\My Documents* and subfolders to *D:\Backup*, close after copy process. Also hidden files will be processed in this example:

```
JobMaster.exe PYISQ DIR "C:\My Documents" "D:\Backup"
```

Delete all files in *E:\work_share\tempdir*, without subfolders:

```
JobMaster.exe D DIR "E:\work_share\tempdir"
```

Convert all pictures in the PowerPoint presentation *C:\presentations\newyork.ppt* to JPEG format to *C:\webdata\pictures*:

```
JobMaster.exe C FILE "C:\presentations\newyork.ppt"
"C:\webdata\pictures" PPT2JPG
```

Convert file *overv.htm* to PDF format from internet resource *http://www.mindleads.com/en/products/jobmaster/overv.htm* to *C:\temp*

```
JobMaster.exe C URL
"http://www.mindleads.com/en/products/jobmaster/overv.htm" "C:\temp"
htm2pdf
```

Required Files

For a properly operation of JobMaster, the following files are required in the version listed below:

File Name	Path	Version
JOBMASTER.EXE	Installation folder	4.0.0.x
JMOFWATCH.EXE	Installation folder\bin	1.0.0.22
LOGVIEWER.EXE	Installation folder	4.10.0.57
JMDLGHANDLER.EXE	Installation folder\bin	3.0.0.6
JMABOUT32.DLL	Installation folder	4.0.0.9
JMCOPYOPT.DLL	Installation folder	3.2.0.48
JMEXEOPT.DLL	Installation folder	1.0.0.11
JMDELIMSCR.DLL	Installation folder	2.0.0.6
JMDOCINFO.DLL	Installation folder	2.30.0.11
SHLWAPI.DLL	Installation folder	6.0.2800.1400*
WININET.DLL	Installation folder	6.0.2800.1405*
MSVBVM60.DLL	System folder	6.0.97.82
OLEAUT32.DLL	System folder	2.40.4522.0
OLEPRO32.DLL	System folder	5.0.4522.0
ASYCFILT.DLL	System folder	2.40.4522.0
STDOLE2.TLB	System folder	2.40.4522.0
COMCAT.DLL	System folder	5.0.2195.1

* According to the version of Internet Explorer, these files can be different in version; they should be higher than 4.0.x though.

Registry Settings

Key:
HKEY_LOCAL_MACHINE\Software\Mindleads Technology\JobMaster\acrPDFWriterName

Format:	`<PDFWriter Printer Name>`
Default:	Acrobat PDFWriter
Type:	REG_SZ

This registry entry changes the Acrobat PDFWriter setting which is described on page 40. If the Acrobat PDFWriter printer on your machine is not named *Acrobat PDFWriter*, you have to change this entry according to the corresponding.

Key:
HKEY_LOCAL_MACHINE\Software\Mindleads Technology\JobMaster\acrDistillerName

Format:	`<Acrobat Distiller Printer Name>`
Default:	Acrobat Distiller
Type:	REG_SZ

This registry entry changes the Acrobat Distiller printer setting which is described on page 40. If the Acrobat Distiller printer on your machine is not named *Acrobat Distiller*, you have to change this entry according to the corresponding. This entry is only required, if Adobe Acrobat 5 or lower is installed on the machine.

Key:
HKEY_LOCAL_MACHINE\Software\Mindleads Technology\JobMaster\acrDistiller6Name

Format: `<Acrobat Distiller Printer Name>`
Default: Adobe PDF
Type: REG_SZ

This entry is only required, if Adobe Acrobat 6 or higher is installed on the machine. If the PDF printer on your machine is not named *Adobe PDF*, you have to change this entry according to the corresponding.

Key:
HKEY_LOCAL_MACHINE\Software\Mindleads Technology\JobMaster\LVMaxItems

Format: `<Value between 1000 and 20000>`
Default: 6000
Type: REG_DWORD

This registry entry sets the maximum of messages in LogViewer. Enter a value between 1000 and 20000. Note that the system requires more memory (RAM) if you enter a higher value than 6000. Also CPU-Load increases drastically when using the sort-functions.