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The first program launch

Launching the application the first time displays this window:

Created				
01/19/2022	09:30:36	Now		
🗹 Set date	🗹 Set time			
Modified				
01/19/2022	09:30:36	Now		
🗹 Set date	🗹 Set time			
Copy original fi	created date and time ile created data to moc ile modified data to cre		Dura the files and folders	
Get data from 2	inside image file (Exif, XMP sidecar file ted 😌 + 😋 1 F		Drag the files and folders to modify onto this area or use the open menu!	
Modify folders Modify files				
Modify hidden Modify hidden				
Treat packages	Modify folders this s (bundles) as files (no			
Modify folders	and files immediately a	after drop		
Reset	Preview	Apply		

Settings

The left part of this window shows all possible settings. On the right part the folders and files to process and, after clicking on the **Preview** button, a preview of the possible result will be displayed.

Settings

The settings on the left side of the of the program's window are selfexplaining. To enter a date or time you can use the following characters as separators: Comma, Period, Colon, Hyphen (Minus) and Slash. This makes entering text more comfortable. The program replaces these characters with the correct separators.

Selecting folders and files

You select the folders and/or files to process by dragging and dropping them from the finder onto the right part of the program's window. Using the open menu you can select files only. It is not possible to select folders this way.

Note

The images on the next pages show the selection of the explained function on the left side of the program's window while the right side displays the files and/or folders before and after applying the changes.

Downloads

The examples of the files used in this document can be downloaded <u>here</u>, to try and learn about the settings and their effect.

Files and folders

On the right part of the window the folders and files to change will be displayed with their current data. For easier distinguishing in the following presentation will be used:

- Folders will be displayed with **bold** font.
- Folders that I exclude from processing by a setting will be displayed with a grey font.

The result of processing folders and files will be shown in the column marked by **OK** on the very right side. A hyphen means that the corresponding file or folder will not be or was not processed.

• •			Touch File I	Date and Time		
0			Folder or file name	Created	Modified	
Created			examples	01/01/2001 01:00:00	02/02/2002 02:00:00	181
01/19/2022	09:30:36	Now	.hidden	01/01/2001 01:00:00	02/02/2002 02:00:00	-
Set date	Set time		another file in a hidden folder.txt	01/01/2001 01:00:00	02/02/2002 02:00:00	2 7 3
o Set date	Set une		a file in a hidden folder.txt one more file in a hidden folder.txt	01/01/2001 01:00:00 01/01/2001 01:00:00	02/02/2002 02:00:00 02/02/2002 02:00:00	
Modified			subfolder	01/01/2001 01:00:00	02/02/2002 02:00:00	-
01/19/2022	09:30:36	Now	a file in a subfolder.txt	01/01/2001 01:00:00	02/02/2002 02:00:00	-
			another file in a subfolder.txt	01/01/2001 01:00:00	02/02/2002 02:00:00	-
🗹 Set date	🗹 Set time		one more file in a subfolder.txt	01/01/2001 01:00:00	02/02/2002 02:00:00	-
C Contraction of	created date and time		images	01/01/2001 01:00:00	02/02/2002 02:00:00	
Set modified =	created date and time		Cologne without date & time.jpg	01/01/2001 01:00:00	02/02/2002 02:00:00	1.7
Conversional fi	le created data to mod	lified data	Sagres.jpg	01/01/2001 01:00:00	02/02/2002 02:00:00	-
			Cologne.jpg	01/01/2001 01:00:00	02/02/2002 02:00:00	-
Copy original fi	le modified data to cre	eated data	side car example 2020-01-01.txt	01/01/2001 01:00:00 01/01/2001 01:00:00	02/02/2002 02:00:00 02/02/2002 02:00:00	-
			2020-01-01.ttt	01/01/2001 01:00:00	02/02/2002 02:00:00	-
Take data from	inside image file (Exif,	IPTC, XMP)	a file.txt	01/01/2001 01:00:00	02/02/2002 02:00:00	-
Get data from)	KMP sidecar file		e monte	0.10.1200.00.00.00		
Set date creat	ted 😌 + 😌 1 H	lour 😒				
Modify folders						
🗹 Modify files						
Modify hidden	folders					
Modify hidden	files					
	Modify folders this	deep: 20				
Treat packages	(bundles) as files (no	t folders)				
Modify folders	and files immediately a	after drop				
		_				
Reset	Preview	Apply		Folder	s: 0 Files: 12	

Settings $\mathbf{1}$ and files before changing date and time $\mathbf{1}$

			Touch File I	Date and Time				
0			Folder or file name	Created (originally)	Modified (originally)	ОК	Created (new)	Modified (new)
Created			examples	01/01/2001 01:00:00	02/02/2002 02:00:00	-		
01/19/2022	09:30:36	Now	.hidden	01/01/2001 01:00:00	02/02/2002 02:00:00	-		
Set date	Set time		another file in a hidden folder.txt a file in a hidden folder.txt	01/01/2001 01:00:00 01/01/2001 01:00:00	02/02/2002 02:00:00 02/02/2002 02:00:00	5	01/19/2022 09:30:36 01/19/2022 09:30:36	
Modified			one more file in a hidden folder.txt	01/01/2001 01:00:00	02/02/2002 02:00:00		01/19/2022 09:30:36	
		(subfolder	01/01/2001 01:00:00	02/02/2002 02:00:00	-		
01/19/2022	09:30:36	Now	a file in a subfolder.txt	01/01/2001 01:00:00	02/02/2002 02:00:00		01/19/2022 09:30:36	
Set date	Set time		another file in a subfolder.txt one more file in a subfolder.txt	01/01/2001 01:00:00 01/01/2001 01:00:00	02/02/2002 02:00:00 02/02/2002 02:00:00		01/19/2022 09:30:36 01/19/2022 09:30:36	
			images	01/01/2001 01:00:00	02/02/2002 02:00:00		01/19/2022 09:30:30	01/19/2022 09:30:30
Set modified =	created date and time	э	Cologne without date & time.jpg	01/01/2001 01:00:00	02/02/2002 02:00:00	~	01/19/2022 09:30:36	01/19/2022 09:30:36
			Sagres.jpg	01/01/2001 01:00:00	02/02/2002 02:00:00	~	01/19/2022 09:30:36	01/19/2022 09:30:36
Copy original fi	le created data to mo	dified data	Cologne.jpg	01/01/2001 01:00:00	02/02/2002 02:00:00	~	01/19/2022 09:30:36	01/19/2022 09:30:36
Copy original fi	le modified data to cr	eated data	side car example	01/01/2001 01:00:00	02/02/2002 02:00:00	-		
			2020-01-01.txt	01/01/2001 01:00:00	02/02/2002 02:00:00		01/19/2022 09:30:36	
Take data from	inside image file (Exif	, IPTC, XMP)	2020-01-01.xmp a file.txt	01/01/2001 01:00:00 01/01/2001 01:00:00	02/02/2002 02:00:00 02/02/2002 02:00:00		01/19/2022 09:30:36 01/19/2022 09:30:36	
Get data from >	MP sidecar file		ame.txt	01/01/2001 01:00:00	02/02/2002 02:00:00	~	01/19/2022 09:30:36	01/19/2022 09:30:36
Set date creat		Hour 😥						
Set date creat		nour 💿						
Modify folders								
🗹 Modify files								
Modify hidden t	folders							
Modify hidden t	files							
	Modify folders this	deep: 20						
Treat packages	(bundles) as files (no	ot folders)						
Modify folders	and files immediately	after drop						
initially folders i	and mes millioundery	anter arop						
Reset	Preview	Apply						
				Folders: 0 Files: 1	2 Changed: 12	E	rrors: 0	

Files after changing date and time **1**

Folders, files, hidden folders and files

On the following images you can see the influence of the settings "Modify folders", "Modify files", "Modify hidden folders" and "Modify hidden files" on the folders and files to process.

• •			Touch File	Date and Time				
Created			Folder or file name	Created (originally)	Modified (originally)	OK	Created (new)	Modified (new)
			examples	01/01/2001 01:00:00				
01/19/2022	09:30:36	Now	.hidden	01/01/2001 01:00:00	02/02/2002 02:00:00	-		
Set date	Set time		another file in a hidden folder.txt a file in a hidden folder.txt	01/01/2001 01:00:00 01/01/2001 01:00:00			01/19/2022 09:30:36 01/19/2022 09:30:36	
	out unit		one more file in a hidden folder.txt	01/01/2001 01:00:00			01/19/2022 09:30:36	
Modified			subfolder	01/01/2001 01:00:00	02/02/2002 02:00:00		01/19/2022 03:30:30	01/15/2022 05:30:3
01/19/2022	09:30:36	Now	a file in a subfolder.txt	01/01/2001 01:00:00	02/02/2002 02:00:00	~	01/19/2022 09:30:36	01/19/2022 09:30:3
			another file in a subfolder.txt	01/01/2001 01:00:00			01/19/2022 09:30:36	
🗹 Set date	🗹 Set time		one more file in a subfolder.txt	01/01/2001 01:00:00	02/02/2002 02:00:00	~	01/19/2022 09:30:36	01/19/2022 09:30:3
			images	01/01/2001 01:00:00	02/02/2002 02:00:00	-		
Set modified =	created date and time	B	Cologne without date & time.jpg		02/02/2002 02:00:00		01/19/2022 09:30:36	
	e created data to mo	مانات ما ما مه م	Sagres.jpg		02/02/2002 02:00:00		01/19/2022 09:30:36	
Copy original fil	e created data to mo	diffied data	Cologne.jpg	01/01/2001 01:00:00		~	01/19/2022 09:30:36	01/19/2022 09:30:3
Copy original fil	e modified data to cre	eated data	side car example	01/01/2001 01:00:00	02/02/2002 02:00:00	-		
			2020-01-01.txt 2020-01-01.xmp	01/01/2001 01:00:00			01/19/2022 09:30:36	
Take data from	inside image file (Exif	f, IPTC, XMP)	a file.txt	01/01/2001 01:00:00	02/02/2002 02:00:00 02/02/2002 02:00:00		01/19/2022 09:30:36 01/19/2022 09:30:36	
Get data from X	MP sidecar file		ame.txt	01/01/2001 01:00:00	02/02/2002 02:00:00		01/19/2022 09:30:30	01/19/2022 09:30:3
Cat data area	ed 😋 + 😋 1 H	Hour 👩						
Set date creat		Hour						
Modify folders								
Modify files								
Modify files								
Modify hidden f	olders							
Modify hidden f	iles							
	Modify folders this	deen: 20						
	mouny forders this	deep. 20						
Treat packages	(bundles) as files (no	ot folders)						
	and files immediately							
mouny folders a	and mes immediately	arter drop						
Reset	Preview	Antoha						
Reset	Preview	Apply		Folders: 0 Files:	12 Changed: 12	F	rrors: 0	

Setting **1** Modify files only **1** after changing date and time

			Folder or file name	Created (originally)	Modified (originally)	OK	Created (new)	Modified (new)
Created 01/19/2022	09:30:36	Now	examples .hidden	01/01/2001 01:00:00 01/01/2001 01:00:00	02/02/2002 02:00:00 02/02/2002 02:00:00	-	01/19/2022 09:30:36	01/19/2022 09:30:3
Set date	🗹 Set time		subfolder images	01/01/2001 01:00:00	02/02/2002 02:00:00 02/02/2002 02:00:00	~	01/19/2022 09:30:36 01/19/2022 09:30:36	01/19/2022 09:30:3
Modified			side car example	01/01/2001 01:00:00	02/02/2002 02:00:00	~	01/19/2022 09:30:36	01/19/2022 09:30:3
01/19/2022	09:30:36	Now						
🗹 Set date	🗹 Set time							
Copy original fi Take data from Get data from 3 Set date crea	le created data to mod le modified data to cre inside image file (Exif, KMP sidecar file ted C + C 1 H	ated data						
Modify folders Modify files								
Modify hidden Modify hidden								
Modify folders	Modify folders this (bundles) as files (not and files immediately a	t folders) after drop						
Reset	Preview	Apply		Folders: 4 Files:	0 Changed: 4		ors: 0	

Setting **1** Modify folders only **1** after changing date and time

			Touch File	e Date and Time				
Created 01/19/2022 Set date	09:30:36	Now	Folder or file name examples .hidden .hidden file in a hidden folder.txt subfolder .hidden file in a subfolder.txt	01/01/2001 01:00:00 01/01/2001 01:00:00 01/01/2001 01:00:00	02/02/2002 02:00:00	- - /	Created (new) 01/19/2022 09:30:36 01/19/2022 09:30:36	1. 1.
Modified 01/19/2022	09:30:36	Now	.DS_Store images		01/19/2022 09:37:30		01/19/2022 09:30:36	
Set date	Set time		side car example		02/02/2002 02:00:00			
Copy original fil Take data from Get data from X	le created data to mod le modified data to cre inside image file (Exif, (MP sidecar file ted 😒 + 😒 1 H	eated data						
Modify folders Modify files								
Modify hidden f								
	Modify folders this (bundles) as files (not and files immediately a Preview	t folders)						

Setting **1** Modify hidden files only **1** after changing date and time

o			Folder or file name	Created (originally)	Modified (originally)	OK	Created (new)	Modified (new)
Created			examples	01/01/2001 01:00:00		1		
01/19/2022	09:30:36	Now	.hidden subfolder	01/01/2001 01:00:00 01/01/2001 01:00:00	02/02/2002 02:00:00 02/02/2002 02:00:00	~	01/19/2022 09:30:36	01/19/2022 09:30:36
🗹 Set date	🗹 Set time		images	01/01/2001 01:00:00	02/02/2002 02:00:00	-		
Modified			side car example	01/01/2001 01:00:00	02/02/2002 02:00:00			
01/19/2022	09:30:36	Now						
🗹 Set date	🗹 Set time							
Set modified =	created date and time	E.						
Conv original fi	le created data to mod	lified data						
	le modified data to cre							
Copy original fr	le moumed data to cre	aleu uata						
Take data from	inside image file (Exif,	IPTC, XMP)						
Get data from)	XMP sidecar file							
Set date creat	ted 😧 + 🔂 1 F	lour (
Modify folders								
Modify files								
Modify hidden	foldere							
Modify hidden								
Modiry nidden	tiles							
	Modify folders this	deep: 20						
	(bundles) as files (no	t foldere)						
	and files immediately							
wouny loiders	and mes mimediately a	arter urop						
Derest	Preview	Apply						
Reset				Folders: 1 Files:	0 Changed: 1		ors: 0	

Setting **1** Modify hidden folders only **1** after changing date and time

			Touch File I	Date and Time				
Created			Folder or file name	Created (originally)	Modified (originally)	ОК	Created (new)	Modified (new)
01/19/2022	09:30:36	Now	examples .hidden	01/01/2001 01:00:00 01/01/2001 01:00:00	02/02/2002 02:00:00 02/02/2002 02:00:00	2	01/19/2022 09:30:36 01/19/2022 09:30:36	01/19/2022 09:30:36 01/19/2022 09:30:36
✓ Set date	✓ Set time		another file in a hidden folder.txt	01/01/2001 01:00:00 01/01/2001 01:00:00	02/02/2002 02:00:00 02/02/2002 02:00:00	2	01/19/2022 09:30:36 01/19/2022 09:30:36	01/19/2022 09:30:36 01/19/2022 09:30:36
Modified			a file in a hidden folder.txt one more file in a hidden folder.txt	01/01/2001 01:00:00 01/01/2001 01:00:00	02/02/2002 02:00:00 02/02/2002 02:00:00	2	01/19/2022 09:30:36 01/19/2022 09:30:36	01/19/2022 09:30:36
01/19/2022	09:30:36	Now	subfolder	01/01/2001 01:00:00	02/02/2002 02:00:00	~	01/19/2022 09:30:36	01/19/2022 09:30:36
✓ Set date	✓ Set time		a file in a subfolder.txt another file in a subfolder.txt	01/01/2001 01:00:00 01/01/2001 01:00:00	02/02/2002 02:00:00 02/02/2002 02:00:00		01/19/2022 09:30:36 01/19/2022 09:30:36	01/19/2022 09:30:36 01/19/2022 09:30:36
Copy original file Copy original file Take data from I Get data from X Set date creat		ated data IPTC, XMP)	.hidden file in a subfolder.txt one more file in a subfolder.txt .DS_Store images Cologne without date & time.jpg Sagres.jog Cologne.jpg side car example 2020-01-01.txt 2020-01-01.txt 2020-01-01.txt	01/01/2001 01:00:00 01/01/2001 01:00:00 01/01/2001 01:00:00 01/01/2001 01:00:00 01/01/2001 01:00:00 01/01/2001 01:00:00 01/01/2001 01:00:00 01/01/2001 01:00:00 01/01/2001 01:00:00 01/01/2001 01:00:00	02/02/2002 02:00:00 02/02/2002 02:00:00 02/02/2002 02:00:00 02/02/2002 02:00:00 02/02/2002 02:00:00 02/02/2002 02:00:00 02/02/2002 02:00:00 02/02/2002 02:00:00 02/02/2002 02:00:00	******	01/19/2022 09:30:36 01/19/2022 09:30:36 01/19/2022 09:30:36 01/19/2022 09:30:36 01/19/2022 09:30:36 01/19/2022 09:30:36 01/19/2022 09:30:36	01/19/2022 09:30:36 01/19/2022 09:30:36 01/19/2022 09:30:36 01/19/2022 09:30:36 01/19/2022 09:30:36 01/19/2022 09:30:36 01/19/2022 09:30:36 01/19/2022 09:30:36 01/19/2022 09:30:36 01/19/2022 09:30:36
Modify foldersModify files								
 Modify hidden f Modify hidden f 								
Modify folders a	Modify folders this ((bundles) as files (not nd files immediately a	folders) after drop						
Reset	Preview	Apply		Folders: 5 Files: 1	15 Changed: 20	E	rrors: 0	

All 1 settings selected after changing date and time 1

Treat packages (bundles) as files (not folders)

Especially with MacOS files can be bundled as packages or bundles. With this setting it is possible to treat these packages like a single file or a folder. In the latter case the date and time of all files and folders inside the package may be modified.

			Touch	File Date and Time			
Created			Folder or file name	Created	Modified		
01/19/2022	09:30:36	Now	Touch File Date and Time.app	01/10/2022 12:07:35	01/10/2022 12:07:35	10	
Set date	Set time						
Modified							
01/19/2022	09:30:36	Now					
🗹 Set date	🗹 Set time						
Copy original file Copy original file	created date and time e created data to modi e modified data to crea	ited data					
Get data from X	inside image file (Exif, I (MP sidecar file red 📀 + 📀 1 Ho						
Modify folders Modify files							
Modify hidden f Modify hidden f							
	Modify folders this o (bundles) as files (not and files immediately at	folders)					
Reset	Preview	Apply		Folde	rs: 0 Files: 1		

Setting $\mathbf{1}$ Treat packages like files $\mathbf{1}$

			Touch Fil	e Date and Time			
Ormated			Folder or file name	Created	Modified		
Created			Touch File Date and Time.app	01/10/2022 12:07:35	01/10/2022 12:07:35	-	
01/19/2022	09:30:36	Now	Contents		01/10/2022 12:07:36	-	
Set date	Set time		MacOS		01/10/2022 12:07:35		
Set dâte	Set time		Touch File Date and Time		01/10/2022 12:07:35	-	
Modified			Resources	01/10/2022 12:07:36	01/10/2022 12:07:36	-	
04/40/0000	09:30:36	Now	de.lproj	01/10/2022 12:07:36	01/10/2022 12:07:36	-	
01/19/2022	09:30:36	NOW	Localizable.strings		01/10/2022 12:07:36	-	
Set date	Set time		InfoPlist.strings Credits.html		03/11/2021 01:01:36 03/11/2021 01:01:01	-	
			en.lproj				
Set modified = cr	reated date and time		Localizable.strings	01/10/2022 12:07:36	01/10/2022 12:07:36 01/10/2022 12:07:36		
			InfoPlist.strings	03/11/2021 01:01:01			
Copy original file	created data to mod	ified data	Credits.html		03/11/2021 01:01:01	_	
Convertainel file	modified data to any		entitlements.plist	10/25/2021 16:18:23		_	
Copy original file	modified data to create	ateo data	Stapel2048128.png		01/10/2022 12:07:36		
Taka data from in	side image file (Exif.	DTC VMD	Stapel204832.png		01/10/2022 12:07:36	_	
	5	IPTC, XMP)	App.icns		01/10/2022 12:07:36	-	
Get data from XM	AP sidecar file		de	03/10/2021 01:01:00	03/10/2021 01:01:00		
Set date create	d 🔁 + 🔂 1 H	our 🚫	docs	12/16/2021 15:29:20	12/16/2021 15:29:20	-	
our date create			help.pdf	12/16/2021 15:28:18	12/16/2021 15:28:18	-	
Modify folders			en	03/10/2021 01:01:00	03/10/2021 01:01:00	14	
			docs	12/16/2021 15:30:31	12/16/2021 15:30:31	-	
🗹 Modify files			help.pdf	12/16/2021 15:29:59		-	
			Frameworks	01/10/2022 12:07:35	01/10/2022 12:07:36	-	
Modify hidden fo	Iders		RegEx.dylib		01/10/2022 12:07:36		
Modify hidden file	es		AppearancePakCocoa.dylib		01/10/2022 12:07:36	-	
			XojoFramework.framework	01/10/2022 12:07:35		-	
	Modify folders this	deep: 20	XojoFramework	10/20/2018 00:23:15		-	
			Resources	01/10/2022 12:07:35	01/10/2022 12:07:36	-	
Treat packages (bundles) as files (not	folders)	de.lproj	01/10/2022 12:07:35		-	
Modify folders an	nd files immediately a	fter drop	Localizable.strings he.lproi		10/20/2018 00:23:15	-	
mouny folders al	in meaninneulately a	nei urop	Localizable.strings		01/10/2022 12:07:35 10/20/2018 00:23:15	-	
Devet	Devidence		Localizable.strings	01/10/2022 12:07:25			
Reset	Preview	Apply		Folder			
				Folder	3. 0 1.1165. 225		

Setting **1** Treat packages like folders **1**

Take data from inside image file (Exif, IPTC, XMP)

This setting takes care that the data will be taken from the image's or photo's data. Because the corresponding image file is scanned completely to find these data, the program's run time may be extended. If the image file does not contain these data, the file will be marked as erroneous in the very right column of the list. Some image files contain a date of 01/01/1970, 0:00. This value means that the corresponding data are unknown.

			Touch File	Date and Time				
Created			Folder or file name	Created (originally)	Modified (originally)	ОК	Created (preview)	Modified (preview)
01/19/2022	09:30:36	Now	images Cologne without date & time.jpg		02/02/2002 02:00:00	×		05/40/0044 40:47:0
🗹 Set date	🗹 Set time		Sagres.jpg Cologne.jpg	01/01/2001 01:00:00 01/01/2001 01:00:00	02/02/2002 02:00:00 02/02/2002 02:00:00		05/13/2014 13:17:34 06/15/2002 21:54:25	
Modified								
01/19/2022	09:30:36	Now						
Set date	🗹 Set time							
Set modified =	created date and time							
	ile created data to mod	lified data						
	ile modified data to cre							
🗹 Take data from	inside image file (Exif,	, IPTC, XMP)						
Get data from 2	XMP sidecar file							
Set date crea	ted 😒 + 😒 1 H	lour 😒						
Modify folders								
Modify files								
-								
Modify hidden								
-								
Modify hidden		deep: 20						
Modify hidden	files Modify folders this							
 Modify hidden Modify hidden ✓ Treat packages 	files Modify folders this s (bundles) as files (no	t folders)						
 Modify hidden Modify hidden ✓ Treat packages 	files Modify folders this	t folders)						
 Modify hidden Modify hidden ✓ Treat packages 	files Modify folders this s (bundles) as files (no	t folders)		Folders: 0	Files: 3 Errors:			

Settings $\mathbf{1}$ and files before taking over the Exif data $\mathbf{1}$

			Touch File	e Date and Time				
Created			Folder or file name	Created (originally)	Modified (originally)	ОК	Created (new)	Modified (new)
01/19/2022	09:30:36	Now	images Cologne without date & time.jpg	01/01/2001 01:00:00	02/02/2002 02:00:00	×		
Set date	Set time		Sagres.jpg Cologne.jpg	01/01/2001 01:00:00		~	05/13/2014 13:17:34 06/15/2002 21:54:25	
Modified			cologne.jpg	01/01/2001 01/00/00	01/01/1002 01:00:00		00,10,2002 21104-20	00/10/2002 21/04/
01/19/2022	09:30:36	Now						
Set date	Set time							
Set modified =	created date and time	1						
	le created data to mor	dified data						
Copy original fi	le modified data to cre	eated data						
🗹 Take data from	le modified data to cre inside image file (Exif, XMP sidecar file							
 Take data from Get data from > Set date creation Modify folders 	inside image file (Exif,	, IPTC, XMP)						
 Take data from Get data from > Set date creation Modify folders 	inside image file (Exif, KMP sidecar file ted 😧 + 😌 1 F	, IPTC, XMP)						
 Take data from Get data from) Set date creat Modify folders Modify files 	inside image file (Exif, KMP sidecar file ted 😧 + 😒 1 F	, IPTC, XMP)						
 Take data from Get data from 3 Set date creat Modify folders Modify files Modify hidden 	inside image file (Exif, KMP sidecar file ted 😧 + 😒 1 F	, IPTC, XMP) Hour						
 Take data from X Get data from X Set date creat Modify folders Modify files Modify hidden Modify hidden 	inside image file (Exif KMP sidecar file ted © + © 1 F folders files	, IPTC, XMP) Hour S						
 ✓ Take data from 3 Get data from 3 Set date creat Modify folders ✓ Modify hilden Modify hilden ✓ Treat packages 	inside image file (Exif KMP sidecar file ted 3 + 3 1 + folders files Modify folders this	, IPTC, XMP) Hour S deep: 20 tt folders)						

Files after taking over the Exif data 1

Get data from XMP sidecar file

Using this setting the data will be read from a sidecar file that accompanies the file to process, if such a file is available. Such a sidecar file has the same name as the file to modify, except that its file type ends on ".xmp". If there is no sidecar file available or if it does not contain usable data, the file will be marked as erroneous in the very right column of the list. If the date is the 01/01/1970, 0:00, the corresponding data are unknown.

				ch File Date and Time				
Created			Folder or file name	Created (originally)	Modified (originally)	OK	Created (preview)	Modified (preview)
01/19/2022	09:30:36	Now	side car example 2020-01-01.txt		02/02/2002 02:00:00			
🗹 Set date	🗹 Set time		2020-01-01.xmp	01/01/2001 01:00:00	02/02/2002 02:00:00		01/01/2020 01:02:03	01/01/2020 01:02:03
Modified								
01/19/2022	09:30:36	Now						
🗹 Set date	🕑 Set time							
Set modified =	created date and time							
	ile created data to moc	lified data						
	ile modified data to mod							
		aroa aaro						
Get data from)	XMP sidecar file	lour (
Set date creat		ioui 🔘						
Set date crea Modify folders Modify files								
Modify folders								
Modify folders Modify files	folders							
Modify folders Modify files Modify hidden	folders							
Modify folders Modify files Modify hidden Modify hidden	folders files	deep: 20						
Modify folders Modify files Modify hidden Modify hidden Treat packages	folders files Modify folders this	deep: 20 t folders)						
Modify folders Modify files Modify hidden Modify hidden Treat packages	folders files Modify folders this s (bundles) as files (no	deep: 20 t folders)		Folders: 0	Files: 2 Errors:	1		

Setting 1 & files before taking over the data from the XMP sidecar file 1

			Тоц	uch File Date and Time			
Created			Folder or file name	Created (originally)	Modified (originally)	OK Created (new)	Modified (new)
01/19/2022	09:30:36	Now	side car example 2020-01-01.txt		02/02/2002 02:00:00		
🗹 Set date	Set time		2020-01-01.xmp	01/01/2001 01:00:00	02/02/2002 02:00:00	✓ 01/01/2020 01:02:0	3 01/01/2020 01:02:0
Modified							
01/19/2022	09:30:36	Now					
Set date	🗹 Set time						
Set modified =	created date and time	9					
	ile created data to mor	dified data					
Take data from Get data from 3	inside image file (Exif XMP sidecar file ted 😳 + 📀 1 H	, IPTC, XMP)					
 Take data from Get data from > Set date creation Modify folders 	inside image file (Exif XMP sidecar file ted 😧 + 😒 1 H	, IPTC, XMP)					
 Take data from Get data from 3 Set date creat Modify folders Modify files Modify hidden 	Inside image file (Exif, XMP sidecar file ted C + C 1 F	, IPTC, XMP)					
 Take data from Get data from) Set date creat Modify folders Modify files 	Inside image file (Exif, XMP sidecar file ted C + C 1 F	, IPTC, XMP) Hour					
 Take data from X Get data from X Set date creat Modify folders Modify files Modify hidden Modify hidden 	inside image file (Exif XMP sidecar file ted 😧 + 😧 1 F folders files	; IPTC, XMP) Hour					
 ✓ Take data from 3 Get data from 3 Set date creat Modify folders ✓ Modify hilden Modify hilden ✓ Treat packages 	inside image file (Exif XMP sidecar file ted 3 + 3 1 F folders files Modify folders this	t, IPTC, XMP) Hour C s deep: 20 st folders)					

Files after taking over the data from the XMP sidecar file 1

Get data from file name

This feature allows it to take date and time from the file name. This, i.e., is very useful, when the names of image files were formatted accordingly by a camera.

The file names may be formatted this way:

 YYYY[-_./]MM[-_./]DD hh[-_./:]mm[-_./:]ss YYYY[-_./]MM[-_./]DD hhmmss YYYYMMSS hhmmss

The values in brackets define the possible separator characters.

- YYYY = Year (4 digits)
- MM = Month (2 digits)
- DD = Day (2 digits)
- hh = Hour (2 digits)
- mm = Minute (2 digits)
- ss = Second (2 digits)

These are examples for possible file names:

- 2022-02-28 12-30-00
- 2022-02-28 12:30:00
- 2022/02/28 12:30:00
- 20220228 123000

Modify date and/or time relative

Sometimes it can be useful to modify the date and/or time of files relative. I.e., this could be the case if there exist photos with a recording date that is shifted by some hours, because they were taken in a different time zone.

• •	Tou	Ich File Date and Time				
Created	Folder or file name	Created (originally)	Modified (originally)	ОК	Created (preview)	Modified (preview)
01/19/2022 09:30:36 Now	side car example 2020-01-01.txt 2020-01-01.xmp				01/01/2001 02:00:00	
✓ Set date ✓ Set time	2020-01-01.xmp	01/01/2020 01:02:03	01/01/2020 01:02:03		01/01/2020 02:02:03	01/01/2020 02:02:0
Modified						
01/19/2022 09:30:36 Now						
✓ Set date						
Set modified = created date and time						
Copy original file created data to modified data						
Copy original file modified data to created data Take data from inside image file (Exif, IPTC, XMP) Get data from XMP sidecar file Cre. & mod. date 3 + 3 1 Hour 3						
Take data from inside image file (Exif, IPTC, XMP) Get data from XMP sidecar file						
Take data from inside image file (Exif, IPTC, XMP) Get data from XMP sidecar file Cre. & mod. date + • • 1 Hour • Modify folders						
Take data from inside image file (Exif, IPTC, XMP) Get data from XMP sidecar file Cre. & mod. date 1 Hour 1 Modify folders Modify files						
 Take data from inside image file (Exif, IPTC, XMP) Get data from XMP sidecar file Cre. & mod. date 2 + 2 1 Hour Modify folders Modify files Modify hidden folders 						
Take data from inside image file (Exif, IPTC, XMP) Get data from XMP sidecar file Cre. & mod. date 2 + 2 1 Hour Modify folders Modify hidden folders Modify hidden files						
Take data from inside image file (Exif, IPTC, XMP) Get data from XMP sidecar file Cre. & mod. date ② + ③ 1 Hour ③ Modify folders Modify files Modify hidden folders Modify hidden files Modify folders this deep: 20						

Settings $\mathbf{1}$ and files before adjusting the time by +1 hour $\mathbf{1}$

•			Tou	ch File Date and Time				
Created			Folder or file name	Created (originally)	Modified (originally)	ОК	Created (new)	Modified (new)
01/19/2022	09:30:36	Now	side car example 2020-01-01.txt	01/01/2001 01:00:00	02/02/2002 02:00:00		01/01/2001 02:00:00	02/02/2002 03:00:00
✓ Set date	✓ Set time		2020-01-01.xmp	01/01/2020 01:02:03	01/01/2020 01:02:03	~	01/01/2020 02:02:03	01/01/2020 02:02:03
Modified								
01/19/2022	09:30:36	Now						
✓ Set date	✓ Set time							
Set modified =	created date and time	1						
Copy original fi	le created data to mor	dified data						
Copy original fi	le modified data to cre	eated data						
Modify folders								
Modify hidden								
	Modify folders this	deep: 20						
✓ Treat packages	(bundles) as files (no							
	and files immediately							
	Preview							
Reset		Apply						

Files after adjusting the time by +1 hour 1

Preview

When a preview of the possible result is displayed and settings that can change the result have been changed, the preview will be displayed with orange color.

• •				Date and Time					
Created			Folder or file name	Created (originally)	Modified (originally)	OK	Created (preview)	Modified (pre	eview)
			examples			-			
01/19/2022	10:50:29	Now	.hidden	04/04/0004 04:00:00		-	04400000 40.50.00		40.50
Set date	Set time		another file in a hidden folder.txt a file in a hidden folder.txt		02/02/2002 02:00:00 02/02/2002 02:00:00		01/19/2022 10:50:29 01/19/2022 10:50:29		
	o out and		one more file in a hidden folder.txt		02/02/2002 02:00:00		01/19/2022 10:50:29		
Modified			subfolder	01/01/2001 01:00:00	02/02/2002 02:00:00		01/13/2022 10:50:25	01/15/2022	10.00.3
01/19/2022	10:50:29	Now	a file in a subfolder.txt	01/01/2001 01:00:00	02/02/2002 02:00:00		01/19/2022 10:50:29	01/19/2022	10:50:
			another file in a subfolder.txt		02/02/2002 02:00:00		01/19/2022 10:50:29		
🗹 Set date	🗹 Set time		one more file in a subfolder.txt	01/01/2001 01:00:00	02/02/2002 02:00:00		01/19/2022 10:50:29	01/19/2022	10:50:3
			images			-			
Set modified =	created date and time		Cologne without date & time.jpg		02/02/2002 02:00:00		01/19/2022 10:50:29		
		lifted data	Sagres.jpg		02/02/2002 02:00:00		01/19/2022 10:50:29		
Copy original fil	e created data to mod	ined data	Cologne.jpg	01/01/2001 01:00:00	02/02/2002 02:00:00		01/19/2022 10:50:29	01/19/2022	10:50:
Copy original fil	e modified data to cre	ated data	side car example			-			
			2020-01-01.txt		02/02/2002 02:00:00		01/19/2022 10:50:29		
Take data from	inside image file (Exif,	IPTC, XMP)	2020-01-01.xmp a file.txt		02/02/2002 02:00:00		01/19/2022 10:50:29 01/19/2022 10:50:29		
Get data from X	MP sidecar file		ame.txt	01/01/2001 01:00:00	02/02/2002 02:00:00		01/19/2022 10:50:29	01/19/2022	10.50.
Set date creat	ed 😒 + 😒 1 H	lour 📀							
Modify folders									
🗹 Modify files									
Modify hidden f	olders								
Modify hidden f									
Modiry hidden i	lies								
	Modify folders this	deep: 20							
	incany tolders and	200p. 20							
Treat packages	(bundles) as files (no	t folders)							
	and files immediately :								
mouny folders a	and mes immediately a	arter drop							
Deart	Devidence								
Reset	Preview	Apply		Folders: 0	Files: 12 Errors	: 0			
						ः 🖷 👘			

Preview display without changing a setting **1**

			Touch File I	Date and Time					
Created			Folder or file name	Created (originally)	Modified (originally)	ОК	Created (preview)	Modified (prev	view)
01/19/2022	10:50:29	Now	examples hidden			-			
			another file in a hidden folder.txt	01/01/2001 01:00:00	02/02/2002 02:00:00		01/19/2022 10:50:29	01/19/2022	10:50:2
✓ Set date	✓ Set time		a file in a hidden folder.txt	01/01/2001 01:00:00	02/02/2002 02:00:00		01/19/2022 10:50:29	01/19/2022	10:50:2
Modified			one more file in a hidden folder.txt	01/01/2001 01:00:00	02/02/2002 02:00:00		01/19/2022 10:50:29	01/19/2022	10:50:2
		Now	subfolder			-			
01/19/2022	10:50:29	NOW	a file in a subfolder.txt another file in a subfolder.txt	01/01/2001 01:00:00	02/02/2002 02:00:00		01/19/2022 10:50:29		
✓ Set date	✓ Set time		one more file in a subfolder.txt	01/01/2001 01:00:00 01/01/2001 01:00:00	02/02/2002 02:00:00 02/02/2002 02:00:00		01/19/2022 10:50:29 01/19/2022 10:50:29		
			images	01/01/2001 01:00:00	02/02/2002 02:00:00	-	01/18/2022 10:50-28	01/13/2022	10.00.2
Set modified =	created date and time		Cologne without date & time.jpg	01/01/2001 01:00:00	02/02/2002 02:00:00		01/19/2022 10:50:29	01/19/2022	10:50:2
			Sagres.jpg	01/01/2001 01:00:00	02/02/2002 02:00:00		01/19/2022 10:50:29	01/19/2022	10:50:2
Copy original fi	le created data to mor	dified data	Cologne.jpg	01/01/2001 01:00:00	02/02/2002 02:00:00		01/19/2022 10:50:29	01/19/2022	10:50:2
Copy original fi	le modified data to cre	eated data	side car example			-			
			2020-01-01.txt	01/01/2001 01:00:00	02/02/2002 02:00:00		01/19/2022 10:50:29		
Take data from	inside image file (Exif	, IPTC, XMP)	2020-01-01.xmp a file.txt	01/01/2001 01:00:00 01/01/2001 01:00:00	02/02/2002 02:00:00 02/02/2002 02:00:00		01/19/2022 10:50:29 01/19/2022 10:50:29		
Get data from 2	(MP sidecar file		ame.txt	01/01/2001 01:00:00	02/02/2002 02:00:00		01/13/2022 10-30-23	01/18/2022	10.00.2
Set date crea	ted 😧 + 🔂 1 H	Hour 😒							
Set date crea		iour 😈							
Modify folders									
Modify files									

Preview display after changing setting to **Set date created... 1**

Created 01/19/2022									
			Folder or file name	Created (originally)	Modified (originally)	ОК	Created (preview)	Modified (prev	riew)
01/19/2022			examples			-			
	10:50:29	Now	.hidden			-			
✓ Set date	✓ Set time		another file in a hidden folder.txt	01/01/2001 01:00:00	02/02/2002 02:00:00		01/01/2001 02:00:00	01/19/2022	
v Set uate	v Set unie		a file in a hidden folder.txt	01/01/2001 01:00:00	02/02/2002 02:00:00		01/01/2001 02:00:00	01/19/2022	
Modified			one more file in a hidden folder.txt subfolder	01/01/2001 01:00:00	02/02/2002 02:00:00		01/01/2001 02:00:00	01/19/2022	10:50:29
01/19/2022	10:50:29	Now	a file in a subfolder.txt	01/01/2001 01:00:00	02/02/2002 02:00:00	1.5	01/01/2001 02:00:00	01/19/2022	10:50:29
o II TOILOLL	10.00.20		another file in a subfolder.txt	01/01/2001 01:00:00	02/02/2002 02:00:00		01/01/2001 02:00:00	01/19/2022	
✓ Set date	✓ Set time		one more file in a subfolder.txt		02/02/2002 02:00:00		01/01/2001 02:00:00		
Cost modelland -			images						
	created date and time		Cologne without date & time.jpg	01/01/2001 01:00:00	02/02/2002 02:00:00				
			Sagres.jpg	01/01/2001 01:00:00	02/02/2002 02:00:00			01/19/2022	
Copy original m	e created data to mod	uneo data	Cologne.jpg	01/01/2001 01:00:00	02/02/2002 02:00:00		01/01/2001 02:00:00	01/19/2022	10:50:29
Copy original fil	e modified data to cre	eated data	side car example						
			2020-01-01.txt	01/01/2001 01:00:00	02/02/2002 02:00:00			01/19/2022	
Take data from	inside image file (Exif,	IPTC, XMP)	2020-01-01.xmp	01/01/2001 01:00:00	02/02/2002 02:00:00		01/01/2001 02:00:00	01/19/2022	
Get data from X	ND sideses file		a file.txt	01/01/2001 01:00:00	02/02/2002 02:00:00		01/01/2001 02:00:00	01/19/2022	10:50:29
Get data from A	IMP sidecar file								
Set date creat	ed 😒 + 😒 1 F	lour 😒							
a second contractor									
Modify folders									

Preview display after clicking on **Preview** button **1**

Hints

- 1. If you want to process a big number of files, it may be useful to adjust the settings before dragging the files onto the list, because the program needs to rebuild the list in some cases when settings were changed and this may take some time.
- 2. The program can process a big number of files in one pass. But you eventually must have some patience because processing may take a while. This is especially true when reading data from image files.
- 3. Dates before 1970 and after 2040/05/02 cannot be applied because of a restriction of macOS.