

Working with Extended File Properties

Each saved file includes several extended properties which can be retrieved as needed.

For example:

- Date created / date modified / date last accessed
- File size / file type / author / location

Certain types of file will also contain additional extended properties including:

- Height / width / horizontal resolution / vertical resolution / bit size (image files)
- Contributing artist / album / year / genre / title / track # / length / bit rate (audio files)

NOTE:

There are currently a total of 321 extended properties which may be stored though not all for the same type of file. The details MAY vary depending on the computer used & Windows/Office version.

This database provides a simple way of obtaining all the extended properties for a single file or all files of a specified type in a selected folder.

The code used to get extended properties uses **GetDetailsOf** member of the **Shell32.dll** library folder
The VBA reference library **Windows Shell Controls and Automation** is required

All features are available from the main screen though some items will be disabled or hidden at first:

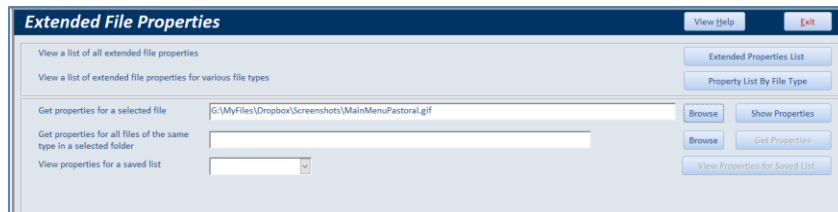
1. Extended Properties List

Click the Extended Properties List button to view a list of all extended properties available for your computer system

Extended File Properties List		Extended Property	
0	Home	00	Isolating status
1	Size	01	Free/busy status
2	Item type	02	Total size
3	Date modified	03	Account name
4	Date created	04	Task status
5	Date accessed	05	Computer
6	Attributes	06	Assistant's name
7	Offline status	07	Assistant's phone
8	Availability	08	Birth day
9	Perceived type	09	Business address
10	Owner	10	Business city
11	Kind	11	Business country/region
12	Date taken	12	Business P.O. box
13	Contributing artist	13	Business postcode
14	Album	14	Business country/region
15	Year	15	Business street
16	Genre	16	Business fax
17	Conductors	17	Business home page
18	Tags	18	Business phone
19	Rating	19	Landback number
20	Authors	20	Car phone
21	Title	21	Children
22	Subject	22	Company main phone
23	Category	23	Department
24	Comments	24	Email address
25	Copyright	25	Email
26	#	26	Email
27	Length	27	Email list
28	Bit rate	28	Email display name
29	Protected	29	Files
30	Camera model	30	First name
31	Dimensions	31	Full name
32	Camera maker	32	Gender
33	Comment	33	Given name
34	File description	34	Hobbies
35	Master keywords	35	Home address
36	Master keywords	36	Home city
37	Program name	37	Home country/region
38	Duration	38	Home P.O. box
39	Location	39	Home postcode
40	Is recurring	40	Home country/region
41	Location	41	Home street
42	Optional attendee addresses	42	Home fax
43	Optional attendees	43	Home phone
44	Organizer address	44	Initials
45	Organizer name	45	Job title
46	Reminder time	46	Label
47	Required attendee addresses	47	Surname
48	Required attendees	48	Postal address
49	Resources		

2. Extended Properties for a file

Click the top **Browse** button and select a file. Click the **Show Properties** button which is now enabled:



After a few seconds, a report will open with the extended properties for the selected file:

Extended File Properties :
G:\MyFiles\Dropbox\Screenshots\MainMenuPastoral.gif

ID	Extended Property	Value
0	Name	MainMenuPastoral.gif
1	Size	503 KB
2	Item type	GIF File
3	Date modified	23/02/2016 00:21
4	Date created	27/09/2018 09:19
5	Date accessed	27/09/2018 09:19
6	Attributes	A
9	Perceived type	Image
10	Owner	COLIN-PC\ridd
11	Kind	Picture
19	Rating	Unrated
31	Dimensions	550 x 328
57	Total size	472 GB
61	Computer	COLIN-PC (this PC)
164	File extension	.gif
165	Filename	MainMenuPastoral.gif
169	Space free	227 GB
174	Bit depth	8
175	Horizontal resolution	96 dpi
176	Width	550 pixels
177	Vertical resolution	96 dpi
178	Height	328 pixels
187	Shared	No
190	Folder name	Screenshots
191	Folder path	G:\MyFiles\Dropbox\Screenshots
192	Folder	Screenshots (G:\MyFiles\Dropbox)
194	Path	G:\MyFiles\Dropbox\Screenshots\MainMenuPastoral.gif
196	Type	GIF File
202	Link status	Unresolved
254	Space used	51%
294	Shared with	<Unknown Contact>; <Unknown Contact>; <Unknown Contact>; <Unknown Contact>; <Unknown Contact>
295	Sharing status	Shared

Number of extended properties 32

The list of extended properties available for that type of file has also been saved.

The **Property List By File Type** button is now also enabled. Click to view a summary report.

The example below shows the first page of a report with extended properties for 10 different file types
The report can display up to 36 different file types

Extended Properties by File Type

1. Extended properties may have different IDs depending on the computer used and Windows / Office version
2. For certain extended property IDs, property names vary for different file types. Where an extended property name isn't in use for a specific file type, the checkbox is 'greyed out'

ID	Extended Property	File Types									
		ACED	CHL	DOCX	GIF	MP3	MP4	PDF	SVG	XML	XLSX
0	Name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1	Size	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Item type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	Date modified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Date created	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Date accessed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Attributes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7	Offline status	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	Availability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	Perceived type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
10	Owner	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
11	Kind	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
12	Date taken	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	Contributing artists	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	Album	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	Year	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	Genre	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17	Conductors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18	Tags	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19	Rating	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
20	Authors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21	Title	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22	Subject	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23	Categories	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24	Comments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25	Copyright	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26	#	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27	Length	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28	Bit rate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
29	Protected	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30	Camera model	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31	Dimensions	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
32	Camera maker	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
33	Company	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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NOTE: This is an example of a 'dynamic crosstab report'. Column headings are automatically updated each time extended properties are saved for additional file types

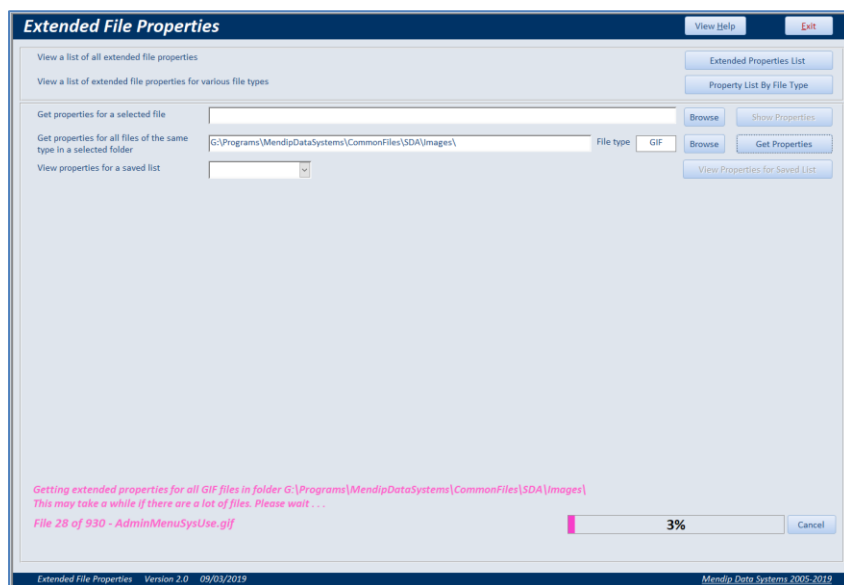
3. **Extended Properties for all files of a selected type in a folder**

Click the bottom **Browse** button and select a file of the required type.

Click the **Get Properties** button

The program will loop through all files of that type collecting the attribute details.

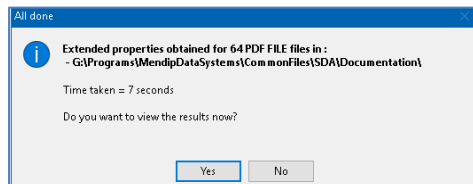
A progress bar is updated as each file is processed



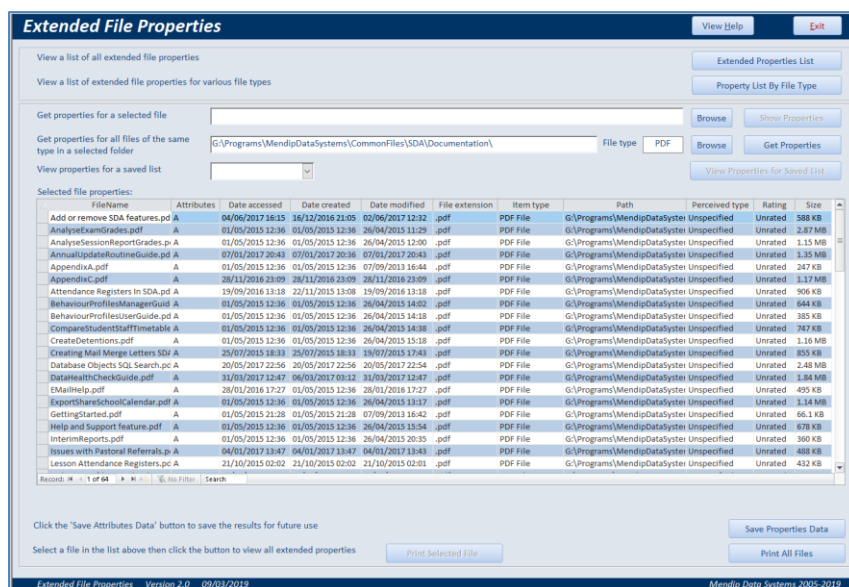
NOTE: This may take several minutes if there are many files to process.

If this is taking too long, use the **Cancel** button to end the process

When the process has completed, a message like this will be displayed:



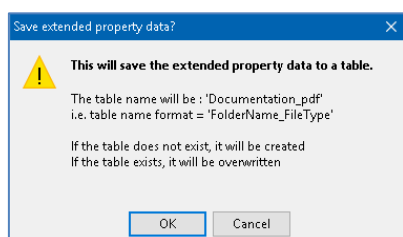
Click **Yes** to view a selected list of extended properties for each file



As before, the extended properties summary details for this file type are also saved.

Several additional features are now available:

- Click the **Save Properties Data** button to save these details for future use if required. A message like this will appear:

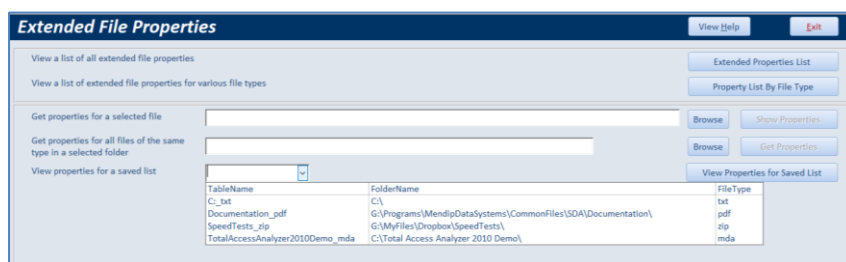


Click **OK** to save the data

- Click a file name from the list. The **Print Selected File** button is then enabled. Click the button to view a report listing all extended properties for the selected file
- Click the **Print All Files** button to view a report listing extended properties for each file in the list

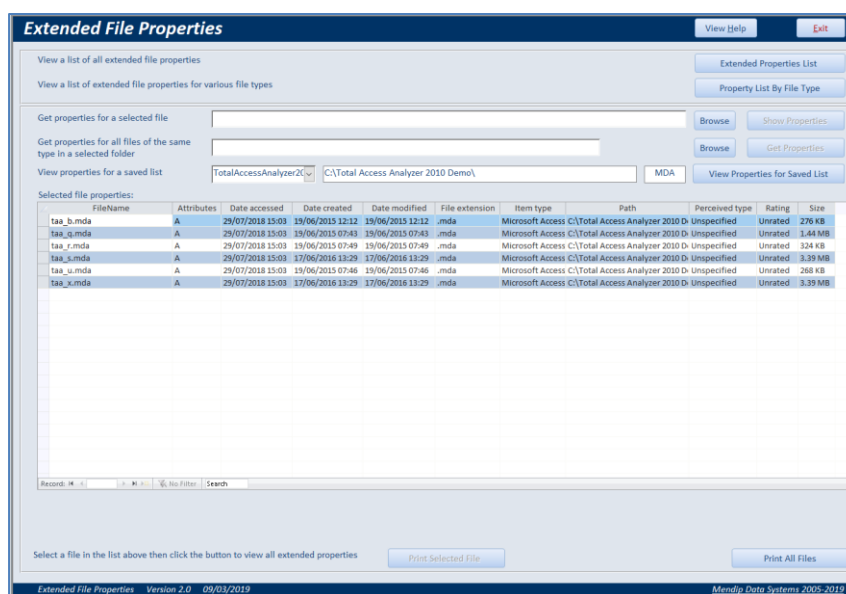
4. View Extended Properties for a saved list

Select a previously saved list using the combo box as shown below:



Now click the **View Properties for a Saved List** button.

The extended properties summary will appear immediately as shown below:



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If you have any comments or suggestions, please email: info@mendipdatasystems.co.uk