



# Extended File Properties using Access



Filename	Folder path	Attributes	Date accessed	Date created	Date modified	File extension	Perceived type	Size
Add or remove SDA features.pdf	G:\Programs\MendipDataSystems\CommonFiles\SDA\Docum A		01/11/2021 12:05	27/12/2019 21:14	02/06/2017 12:32	.pdf	Unspecified	588 KB
AnalyseExamGrades.pdf	G:\Programs\MendipDataSystems\CommonFiles\SDA\Docum A		01/11/2021 12:05	27/12/2019 21:14	26/04/2015 11:29	.pdf	Unspecified	2.87 MB
AnalyseSessionReportGrades.pdf	G:\Programs\MendipDataSystems\CommonFiles\SDA\Docum A		01/11/2021 12:05	27/12/2019 21:14	26/04/2015 12:00	.pdf	Unspecified	1.15 MB
AnnualUpdateRoutineGuide.pdf	G:\Programs\MendipDataSystems\CommonFiles\SDA\Docum A		31/08/2023 12:52	27/12/2019 21:14	07/01/2017 20:43	.pdf	Unspecified	1.35 MB
AppendixA.pdf	G:\Programs\MendipDataSystems\CommonFiles\SDA\Docum A		01/11/2021 12:05	27/12/2019 21:14	07/09/2013 16:44	.pdf	Unspecified	247 KB
AppendixC.pdf	G:\Programs\MendipDataSystems\CommonFiles\SDA\Docum A		01/11/2021 12:05	27/12/2019 21:14	28/11/2016 23:09	.pdf	Unspecified	1.17 MB
Attendance Registers In SDA.pdf	G:\Programs\MendipDataSystems\CommonFiles\SDA\Docum A		01/11/2021 12:05	27/12/2019 21:14	19/09/2016 13:18	.pdf	Unspecified	906 KB
BehaviourProfilesManagerGuid	G:\Programs\MendipDataSystems\CommonFiles\SDA\Docum A		01/11/2021 12:05	27/12/2019 21:14	26/04/2015 14:02	.pdf	Unspecified	644 KB
BehaviourProfilesUserGuide.pdf	G:\Programs\MendipDataSystems\CommonFiles\SDA\Docum A		01/11/2021 12:05	27/12/2019 21:14	26/04/2015 14:18	.pdf	Unspecified	385 KB
CompareStudentStaffTimetable	G:\Programs\MendipDataSystems\CommonFiles\SDA\Docum A		01/11/2021 12:05	27/12/2019 21:14	26/04/2015 14:38	.pdf	Unspecified	747 KB
CreateDetentions.pdf	G:\Programs\MendipDataSystems\CommonFiles\SDA\Docum A		01/11/2021 12:05	27/12/2019 21:14	26/04/2015 15:18	.pdf	Unspecified	1.16 MB
Creating Mail Merge Letters SDA	G:\Programs\MendipDataSystems\CommonFiles\SDA\Docum A		01/11/2021 12:05	27/12/2019 21:14	19/07/2015 17:43	.pdf	Unspecified	855 KB
Database Objects SQL Search.pdf	G:\Programs\MendipDataSystems\CommonFiles\SDA\Docum A		01/11/2021 12:05	27/12/2019 21:14	20/05/2017 22:54	.pdf	Unspecified	2.48 MB
DataHealthCheckGuide.pdf	G:\Programs\MendipDataSystems\CommonFiles\SDA\Docum A		01/11/2021 12:05	27/12/2019 21:14	31/03/2017 12:47	.pdf	Unspecified	1.84 MB
EMailHelp.pdf	G:\Programs\MendipDataSystems\CommonFiles\SDA\Docum A		01/11/2021 12:05	27/12/2019 21:14	28/01/2016 17:27	.pdf	Unspecified	495 KB
ExportShareSchoolCalendar.pdf	G:\Programs\MendipDataSystems\CommonFiles\SDA\Docum A		01/11/2021 12:05	27/12/2019 21:14	26/04/2015 13:17	.pdf	Unspecified	1.14 MB
GettingStarted.pdf	G:\Programs\MendipDataSystems\CommonFiles\SDA\Docum A		21/08/2023 12:46	27/12/2019 21:14	07/09/2013 16:42	.pdf	Unspecified	66.1 KB

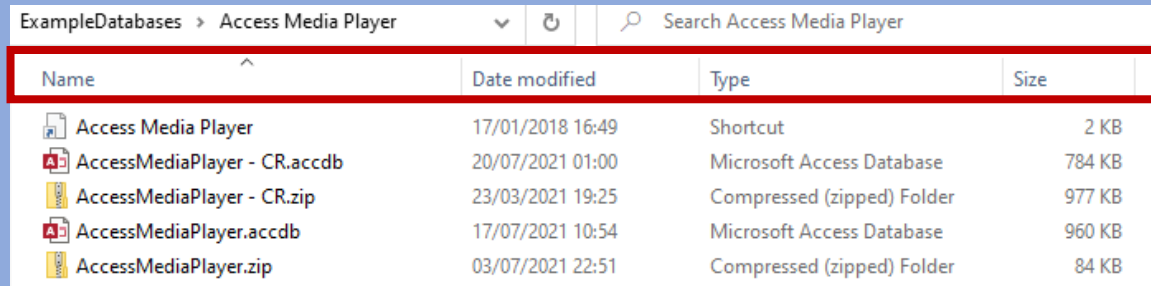
Record: 14 of 64 No Filter Search

Colin Riddington  
Mendip Data Systems

<https://isladogs.co.uk/extended-file-properties>

# Extended File Properties

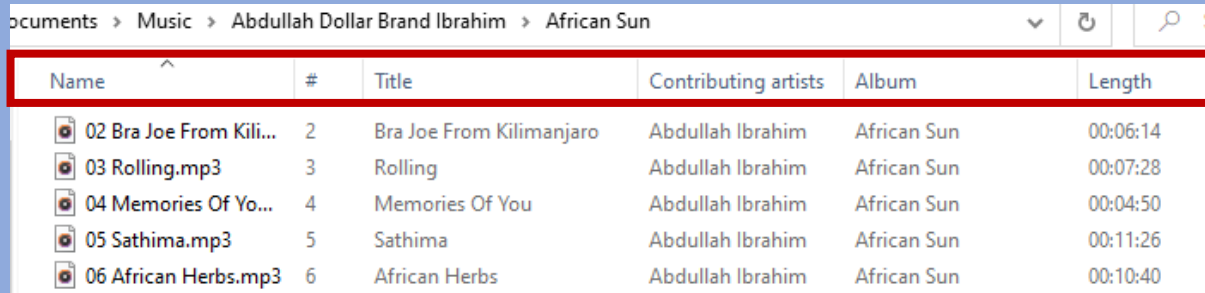
- All Windows files have several **standard properties** including:  
*Name, Size, Type, Date modified, Date created*  
These are shown in the details view in Windows File Explorer:



The screenshot shows a Windows File Explorer window with the address bar set to 'ExampleDatabases > Access Media Player'. The details pane is active, showing a table of files and folders. The table has four columns: Name, Date modified, Type, and Size. The files listed are 'Access Media Player' (Shortcut, 2 KB), 'AccessMediaPlayer - CR.accdb' (Microsoft Access Database, 784 KB), 'AccessMediaPlayer - CR.zip' (Compressed (zipped) Folder, 977 KB), 'AccessMediaPlayer.accdb' (Microsoft Access Database, 960 KB), and 'AccessMediaPlayer.zip' (Compressed (zipped) Folder, 84 KB).

Name	Date modified	Type	Size
Access Media Player	17/01/2018 16:49	Shortcut	2 KB
AccessMediaPlayer - CR.accdb	20/07/2021 01:00	Microsoft Access Database	784 KB
AccessMediaPlayer - CR.zip	23/03/2021 19:25	Compressed (zipped) Folder	977 KB
AccessMediaPlayer.accdb	17/07/2021 10:54	Microsoft Access Database	960 KB
AccessMediaPlayer.zip	03/07/2021 22:51	Compressed (zipped) Folder	84 KB

- Other properties may be shown for certain special folders  
e.g. Track #, Title, Artists, Album, Length (for MP3 audio files)

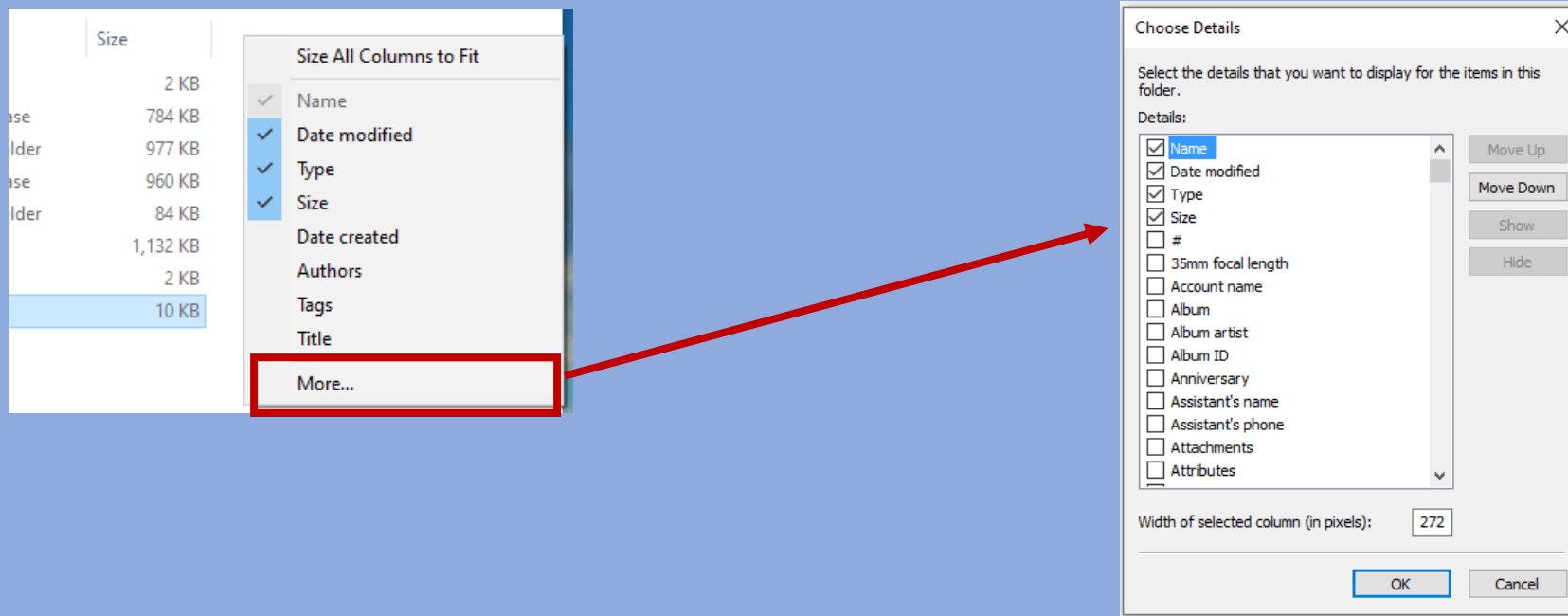


The screenshot shows a Windows File Explorer window with the address bar set to 'Documents > Music > Abdullah Dollar Brand Ibrahim > African Sun'. The details pane is active, showing a table of MP3 files. The table has six columns: Name, #, Title, Contributing artists, Album, and Length. The files listed are '02 Bra Joe From Kili...', '03 Rolling.mp3', '04 Memories Of Yo...', '05 Sathima.mp3', and '06 African Herbs.mp3'.

Name	#	Title	Contributing artists	Album	Length
02 Bra Joe From Kili...	2	Bra Joe From Kilimanjaro	Abdullah Ibrahim	African Sun	00:06:14
03 Rolling.mp3	3	Rolling	Abdullah Ibrahim	African Sun	00:07:28
04 Memories Of Yo...	4	Memories Of You	Abdullah Ibrahim	African Sun	00:04:50
05 Sathima.mp3	5	Sathima	Abdullah Ibrahim	African Sun	00:11:26
06 African Herbs.mp3	6	African Herbs	Abdullah Ibrahim	African Sun	00:10:40

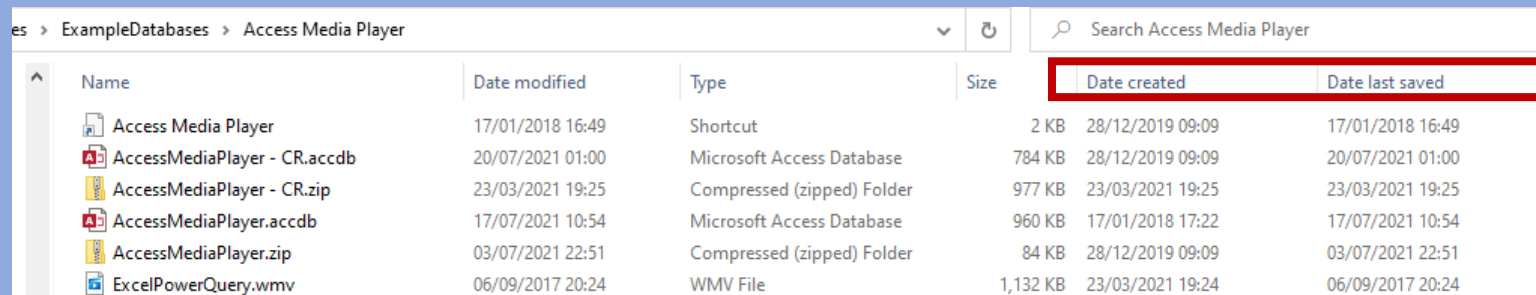
# Extended File Properties

- All files have additional or **extended file properties**.
- Viewed by **right clicking** on the heading area of the folder  
Tick from the properties listed or click **More** to see the full list:



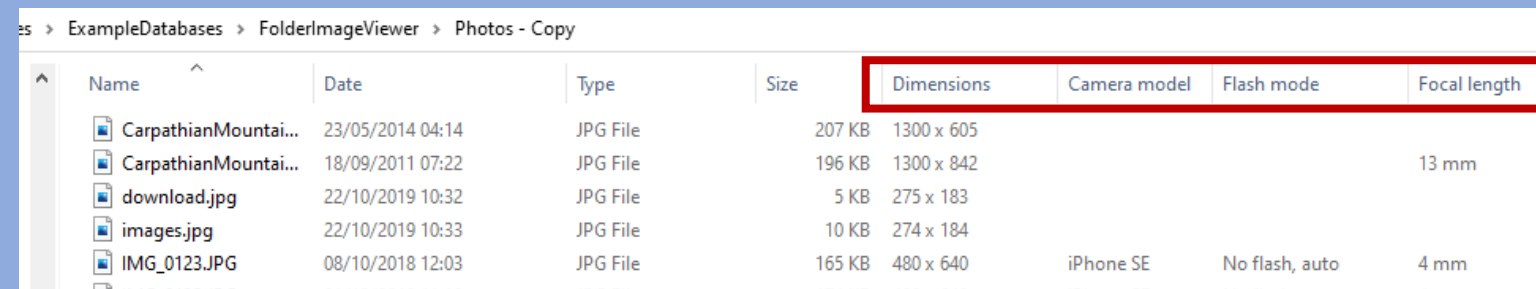
# Extended File Properties

- Ticking any of the properties will add them to that folder in Windows File Explorer  
For example, I have added **Date created** and **Date last saved**:



Name	Date modified	Type	Size	Date created	Date last saved
Access Media Player	17/01/2018 16:49	Shortcut	2 KB	28/12/2019 09:09	17/01/2018 16:49
AccessMediaPlayer - CR.accdb	20/07/2021 01:00	Microsoft Access Database	784 KB	28/12/2019 09:09	20/07/2021 01:00
AccessMediaPlayer - CR.zip	23/03/2021 19:25	Compressed (zipped) Folder	977 KB	23/03/2021 19:25	23/03/2021 19:25
AccessMediaPlayer.accdb	17/07/2021 10:54	Microsoft Access Database	960 KB	17/01/2018 17:22	17/07/2021 10:54
AccessMediaPlayer.zip	03/07/2021 22:51	Compressed (zipped) Folder	84 KB	28/12/2019 09:09	03/07/2021 22:51
ExcelPowerQuery.wmv	06/09/2017 20:24	WMV File	1,132 KB	23/03/2021 19:24	06/09/2017 20:24

- The process can be repeated for any folder adding different extended properties as appropriate for the file types shown ....but this can rapidly get very tedious



Name	Date	Type	Size	Dimensions	Camera model	Flash mode	Focal length
CarpathianMountai...	23/05/2014 04:14	JPG File	207 KB	1300 x 605			
CarpathianMountai...	18/09/2011 07:22	JPG File	196 KB	1300 x 842			13 mm
download.jpg	22/10/2019 10:32	JPG File	5 KB	275 x 183			
images.jpg	22/10/2019 10:33	JPG File	10 KB	274 x 184			
IMG_0123.JPG	08/10/2018 12:03	JPG File	165 KB	480 x 640	iPhone SE	No flash, auto	4 mm
IMG_0123.JPG	01/12/2019 11:10	JPG File	174 KB	480 x 640	iPhone SE	No flash, auto	4 mm

# Extended File Properties

- Luckily there is a better approach . . . .  
Use **Access** to view all **Extended File Properties** for selected files
- **Folder.GetDetailsOf** method in **Microsoft Shell Controls and Automation** library  
<https://learn.microsoft.com/en-us/windows/win32/shell/folder-getdetailsof>

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

ID	Extended Property	Value
0	Name	MainMenuPastoral.gif
1	Size	50.0 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\cridd
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 Conta
295	Sharing status	Shared

Number of extended properties 32



# Extended File Property Names (Language)

- All Extended File Property names are language / locale specific
- Code detects current Office language and updates extended property names

## English

### Extended File Properties :

Folder : G:\MyFiles\ExampleDatabases\ExtendedFileProperties\Images\

File : AllSubfolders.png

File Type : png

ID	Extended Property	Value
0	Name	AllSubfolders.png
1	Size	119 KB
2	Item type	PNG File
3	Date modified	15/05/2024 08:56
4	Date created	15/05/2024 08:56
5	Date accessed	01/06/2024 22:39
6	Attributes	A
9	Perceived type	Image
10	Owner	COLIN PC\cridd
11	Kind	Picture
19	Rating	Unrated
31	Dimensions	1378 x 904
57	Total size	780 GB
61	Computer	COLIN PC (this PC)
164	File extension	.png
165	Filename	AllSubfolders.png
169	Space free	286 GB
174	Bit depth	32
175	Horizontal resolution	96 dpi
176	Width	1378 pixels
177	Vertical resolution	96 dpi
178	Height	904 pixels
187	Shared	No
190	Folder name	Images
191	Folder path	G:\MyFiles\ExampleDatabases\ExtendedFileProperties\Images
192	Folder	Images (G:\MyFiles\ExampleDatabases\ExtendedFileProperties)
194	Path	G:\MyFiles\ExampleDatabases\ExtendedFileProperties\Images\AllSubfolders.png
196	Type	PNG File
202	Link status	Unresolved
254	Space used	63%
295	Sharing status	Not shared

Number of extended properties 31

## Spanish

### Extended File Properties :

Folder : G:\MyFiles\ExampleDatabases\ExtendedFileProperties\Images\

File : AllSubfolders.png

File Type : png

ID	Extended Property	Value
0	Nombre	AllSubfolders.png
1	Tamaño	119 KB
2	Tipo de elemento	PNG File
3	Fecha de modificación	15/05/2024 08:56
4	Fecha de creación	15/05/2024 08:56
5	Fecha de acceso	01/06/2024 22:39
6	Atributos	A
9	Tipo percibido	Imagen
10	Propietario	COLIN-PC\cridd
11	Clase	Imagen
19	Clasificación	Sin clasificación
31	Dimensiones	1378 x 904
57	Tamaño total	780 GB
61	Equipo	COLIN-PC (este equipo)
164	Extensión del archivo	.png
165	Nombre de archivo	AllSubfolders.png
169	Espacio disponible	286 GB
174	Profundidad en bits	32
175	Resolución horizontal	96 ppp
176	Ancho	1378 pixels
177	Resolución vertical	96 ppp
178	Alto	904 pixels
187	Compartido	No
190	Nombre de carpeta	Images
191	Ruta de acceso a la carpeta	G:\MyFiles\ExampleDatabases\ExtendedFileProperties\Images
192	Carpeta	Images (G:\MyFiles\ExampleDatabases\ExtendedFileProperties)
194	Ruta de acceso	G:\MyFiles\ExampleDatabases\ExtendedFileProperties\Images\AllSubfolders.png
196	Tipo	PNG File
202	Estado de vínculo	No resuelto
254	Espacio usado	63%
295	Estado de uso compartido	No compartido


Number of extended properties 31






# Extended File Properties


➤ The app is available from: <https://isladogs.co.uk/extended-file-properties>

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## Example Apps for Businesses, Schools & Developers

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### Extended File Properties

**Version 3.4**      **Approx 2 MB**      **First Published 2 July 2017**      **Last Updated 27 May 2024**

**UPDATED 27 May 2024 - NEW VERSION with several additional features and bug fixes**

A forum thread from 2017 [Windows 10 Retrieving Extended File Properties](#) raised issues about using the **GetDetailsOf** method to retrieve extended file properties.

**GetDetailsOf** is a member of the **VBA library: Microsoft Shell Controls and Automation** based on Shell32.dll.

All files include **several extended properties** which can be retrieved as needed using this method.

**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)

There are currently **over 320 extended file properties**, though no files will ever contain all of those.

I decided to investigate this method further and created an Access app which provides an easy way of obtaining and storing all the **extended properties** for:

- an individual file
- all files of a specified type in a selected folder
- all files in a selected folder and (optionally) its subfolders