

Working with File Attributes

Each saved file includes several attributes 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 attributes including:

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

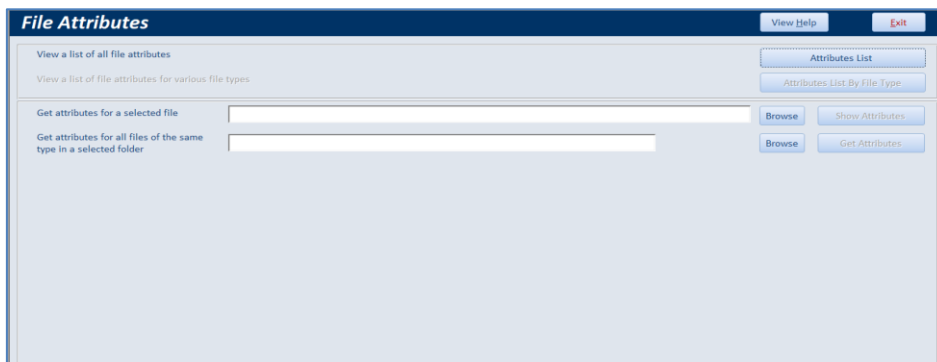
NOTE:

There are currently a total of 310 attributes 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 attributes for a single file or all files of a specified type in a selected folder.

The code used to get attributes 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. Attributes List

Click the Attribute List to view a list of all file attributes available for your computer system

File Attributes List	
ID	Attribute
0	Name
1	Size
2	Item type
3	Date modified
4	Date created
5	Date accessed
6	Attributes
7	Offline status
8	Availability
9	Perceived type
10	Owner
11	Kind
12	Date taken
13	Contributing artists
14	Album
15	Year
16	Genre
17	Conductors
18	Tags
19	Rating
20	Authors
21	Title
22	Subject
23	Categories
24	Comments
25	Copyright
26	#
27	Length
28	Bit rate
29	Protected
30	Camera model
31	Dimensions
32	Camera maker
33	Company
34	File description
35	Master keywords
36	Master keywords
37	Program name
38	Duration
39	Is online
40	Is recurring
41	Location
42	Optional attendee addresses
43	Optional attendees
44	Organiser address
45	Organiser name
46	Reminder time
47	Required attendee addresses
48	Required attendees
49	Resources
50	Meeting status
51	Free/busy status
52	Total size
53	Account name
54	
55	Task status
56	Computer
57	Journal entry
58	Assistant's name
59	Assistant's phone
60	Monday
61	Business address
62	Business city
63	Business country/region
64	Business P.O. box
65	Business postcode
66	Business country/region
67	Business street
68	Business fax
69	Business home page
70	Business phone
71	Call-back number
72	Car phone
73	Children
74	Company main phone
75	Department
76	Email address
77	Email2
78	Email3
79	Email list
80	Email display name
81	File as
82	First name
83	Full name
84	Gender
85	Given name
86	Hobbies
87	Home address
88	Home city
89	Home country/region
90	Home P.O. box
91	Home postcode
92	Home country/region
93	Home street
94	Home fax
95	Home phone
96	Int addresses
97	Initials
98	Job title
99	Label
100	Sur-name
101	Postal address
102	Midline name

2. *Attributes for a file*

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

File Attributes

View Help

Exit

View a list of all file attributes

Attributes List

View a list of file attributes for various file types

Attributes List By File Type

Get attributes for a selected file

G:\Programs\MendipDataSystems\CommonFiles\SDA\Images\AbsenceMessaging5.gif

Browse

Show Attributes

Get attributes for all files of the same type in a selected folder

Browse

Get Attributes

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

ID	Attribute	Value
0	Name	AbsenceMessaging5.gif
1	Size	24.3 KB
2	Item type	GIF File
3	Date modified	14/02/2017 17:03
4	Date created	14/02/2017 17:03
5	Date accessed	14/02/2017 17:03
6	Attributes	A
8	Availability	Available offline
9	Perceived type	Image
10	Owner	S-1-S-1-1102246534-3383335.286-3066802052-1006
11	Kind	Picture
19	Rating	Unrated
31	Dimensions	320 x 170
52	Total size	472 GB
56	Computer	COLIN-PC (this PC)
159	File extension	gif
160	Filename	AbsenceMessaging5.gif
164	Space free	359 GB
169	Bit depth	8
170	Horizontal resolution	96 dpi
171	Width	320 pixels
172	Vertical resolution	96 dpi
173	Height	170 pixels
182	Shared	No
185	Folder name	Images
186	Folder path	G:\Programs\MenuDataSystems\CommonFiles\SDA\Images
187	Folder	Images (G:\Programs\MenuDataSystems\CommonFiles\SDA\)
188	Path	G:\Programs\MenuDataSystems\CommonFiles\SDA\Images\AbsenceMessaging5.gif
191	Type	GIF File
197	Link status	Unresolved
249	Space used	23%
290	Sharing status	Not shared

Number of attributes
32

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

The **Attributes 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 attributes for 20 different file types
The report can display up to 36 different file types

Attributes by File Type

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

ID	Attribute	File Types																				
		ACORSE	AJ	ACCSE	BMP	CAD	DLL	DOCX	ECE	GIF	ICO	LDC	M4A	MHE	MPS	PNG	RPMG	TXT	XLSX	ZIP		
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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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 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"/>	<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"/>		
8	Availability	<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"/>	<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"/>		
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"/>	<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"/>	<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"/>	<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 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"/>	<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"/>		
13	Contributing artists	<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"/>	<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"/> </				

NOTE: This is an example of a 'dynamic crosstab report'

Column headings are automatically updated each time attributes are saved for additional file types

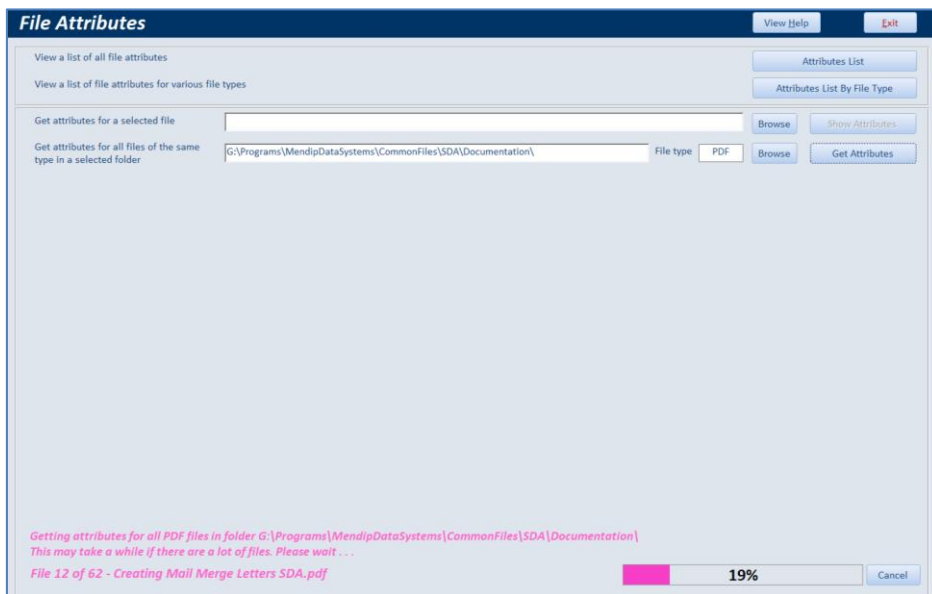
3. **Attributes for all files of a selected type in a folder**

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

Click the **Get Attributes** button

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

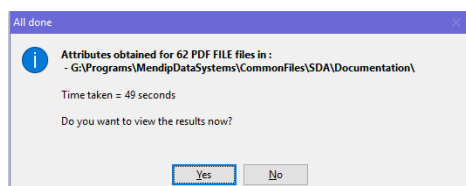
A progress bar is updated as each file is processed



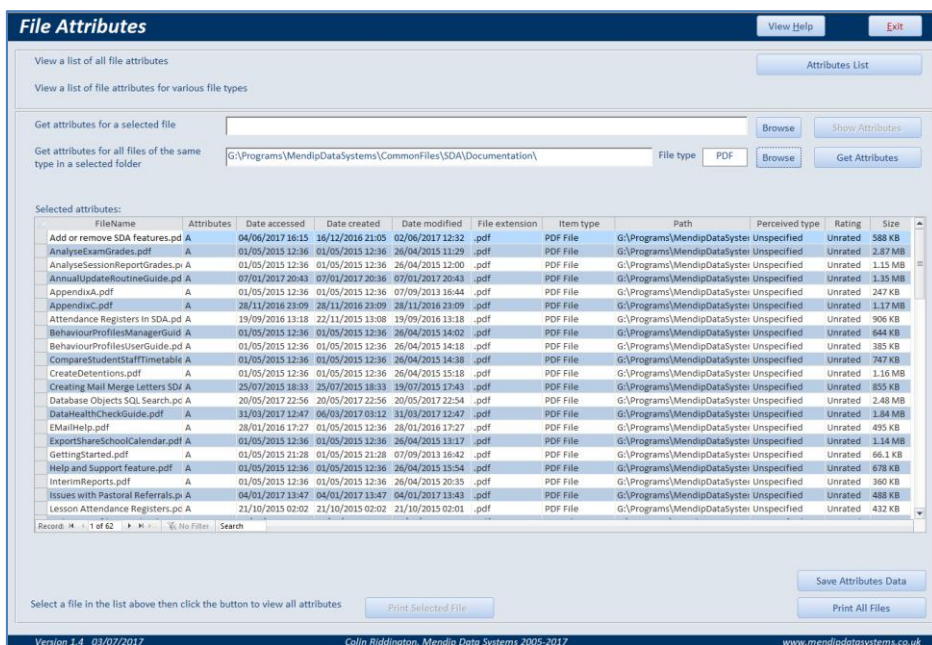
NOTE: This may take several minutes if there are many files to process.

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

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



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

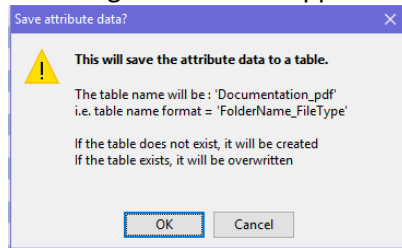


As before, the attribute summary details for this file type are also saved.

Several additional features are now available:

- Click the **Save Attributes Data** button to save these details for future use if required

A message like this will appear:

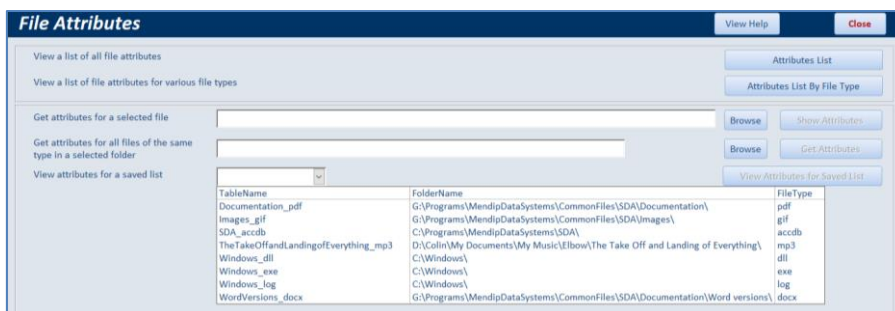


Click **OK** to save the data

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

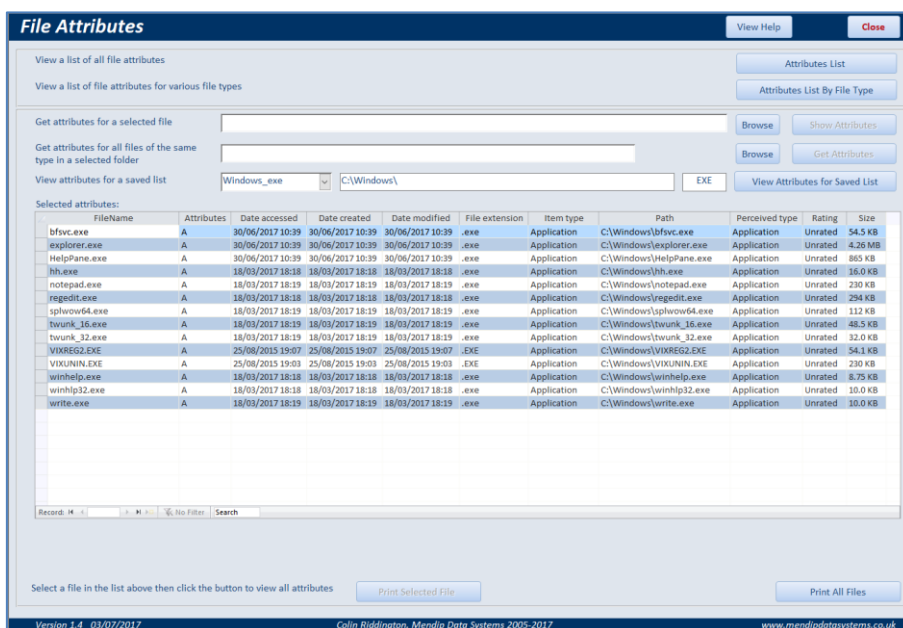
4. View Attributes for a saved list

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



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

The attribute details will appear immediately as shown below:



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