FAW User Manual 7.7

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First Start

When FAW starts it shows the initial window (Fig.1) where it is possible to insert the "Case ID" or a case code / reference of which we are dealing; you can enter any alphanumeric character up to 60 characters long, or you can click on the [Auto] button and a Case ID will be generated based on the current date and time in ISO 8601 format.

The "Case ID" field is mandatory, a folder will be created with the same name as the acquisitions.

Professional	
Case ID Auto Detective OK Device ID	
Fig. 1	

The "Detective" field is optional, you can also leave it empty, and it is used to enter the name of the investigator who is carrying out the acquisition. If you have already made some previous acquisitions, you can choose to enter other acquisitions simply by choosing the "Case ID" from the quick selection menu.

The "Device ID" link allows you to show the identification of the PC to which the FAW license must be activated (Fig. 2).

License agreement for FAW software							
Dwners and holders of FAW software are Davide Bassani and Matteo Zavattari.							
These license terms are an agreement between the licensee and the OWNERS. You should read them carefully. These terms apply to the software mentioned above, including any media on which you received it. These terms also apply to any updates, supplements, Internet-based services and support services, unless they are accompanied by specific conditions. In this case these conditions take precedence over those of this contract.							
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you comply with the conditions of this contract, we have the rights below.							
 INSTALLATION AND USE RIGHTS. You may install and use any number of copies of the software on your devices. 							
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Device ID mtyKxNVCSvfYGyhUYR5FhQaMergpTdesg2aQEEMukCc=							

Davide Bassani - DAVIDE BASSANI - mail@davidebassani.it - 2019-02-28

Fig. 2

To access the FAW main window (Fig. 3) click on the [OK] button.



Fig. 3

At this point the user can decide which acquisition tool to use.

At the first FAW start it creates in the user's Documents folder a folder named "FAW" which will contain all the acquisitions grouped in subfolders with the name of the Case ID entered by the user.

Configuration

When starting FAW for the first time, it is advisable to set preferences by going to the Configuration> Preferences menu where you can set all the program options.

Tab Configuration > Preference > General

In this section you can configure the NTP server that FAW must use to have the certified date and time and the language of the program.

By default FAW already offers a NTP server, but you can use the NTP server you prefer, better if indicated with its IP address instead of the domain name.

If the FAW language is changed, the program must be closed and restarted.

Tab Configuration > Preference > Acquisition

In this section you can configure the folder (Capture Forder) in which FAW must save the acquisitions, you can also activate the options of "Gold Box with date", "Return to homepage after acquisition" and "Acquisition of frame's code".

The "Gold Box with date" option enables printing of the date and time on the Gold Box.

The "Return to homepage after acquisition" option, if active, returns FAW navigation to the home page after completing the acquisition of the web page.

The "Acquisition of frame's code" option activates the acquisition of all the frames that make up the web page.

Tab Configuration > Preference > Linked Object

In this section you can configure which objects, contained in the web page, FAW must acquire.

You can choose categories of preset objects: images, archive files, documents, audio files, video files, executable files and script files.

It is also possible to configure the acquisition of files with customized extensions.

Tab Configuration > Preference > Pro - Activity

In this section you can configure the acquisition of the screencast generated during the acquisition of the web page.

Screencast acquisition is possible in two ways: GDI or DirectShow. GDI mode is supported by most computers, even with limited graphics cards; the screencast in GDI mode only records the video stream; no audio is recorded.

The DirectShow mode allows the acquisition of the video and audio stream; in this case it is necessary to have a dedicated video card with DirectShow support and it is necessary to choose, from the appropriate drop-down menus, which device to use for recording the video and audio stream. To simplify this FAW function during the installation, install the Screen Capture Recorder package that allows you to easily identify the screencast devices. It is therefore advisable to set as video device: "screen-capture-recorder", while as audio device: "virtual-audio-capturer".

Tab Configuration > Preference > Pro - File Host

In this section you can see the contents of the Windows host file. From this section you can edit this file and insert redirect domain> IP address to browse websites that are not reachable with normal DNS.

It is also possible to verify that in the host file there are no intentional redirects to display one website in place of another.

Tab Configuration > Preference > Pro - User Agent

In this section you can configure which FAW User Agent to open web pages with.

By default the field "User Agent String" is empty, in this case FAW will use the user-agent of the browser set by default in the user's computer.

To change the User Agent, simply enter the User Agent string you want to use in the "User Agent String" field.

Tab Configuration > Preference > Pro - Acquisition

In this section you can configure options for the acquisition activity, the possibility to save the acquisitions on FAW servers, configure a Referral and activate the sniffing of network traffic.

In the "Home Page" field you can enter the initial page that must appear when you open FAW.

The "Default browser height" field sets the height in pixels of the FAW browser; by default it is 0, ie it uses the height of the computer screen.

The "Referral URL string" field allows you to indicate a referral with which you want to reach the web page to be acquired.

The acquisition on FAW server allows to have a copy of the acquisition on a remote server kept for 3 years, from which it is possible at any time to verify the correspondence with the acquisition kept in local.

The "Active sniffing network traffic" option activates the recording of all the network traffic that is generated during the acquisition phase of the web page.

Tab Configuration > Preference > Pro - Scripts

In this section you can configure which FAW script should inject into the web page during the acquisition. The scripts that the user wants to use must be previously inserted in the "Script" folder located in the FAW installation folder.

Tab Configuration > Preference > Pro - Email

In this section you can configure the automatic sending of an e-mail at the end of the acquisition. The available options are:

- "Do not send email" deactivates the sending of the e-mail;
- "Send email with email client" send the e-mail at the end of the acquisition using your default email client;
- "Send email with FAW" the program sends an e-mail directly at the end of the acquisition, in this case it is necessary to enter the data of your e-mail account and the address of the recipient.

If the e-mail is to be sent to a certified PEC e-mail address, it is necessary to use the e-mail account via the e-mail client on which the PEC account is configured.

Perform an acquisition with FAW

FAW uses two operating modes: Navigation and Acquisition (Fig.4) which can be activated by clicking on the respective button.





By clicking on the [Acquisition] button, FAW starts to acquire the screencast and the traffic on the network (if set in the preferences) and saves the windows events generated from this moment until the end of the acquisition; in this mode it is possible to navigate normally, log in and any other operation until you reach the Web page you intend to acquire.

Once the web page to be acquired is reached, press the [Set Capture Area] button - Fig. 5 - in this way the navigation and the relative controls will be blocked, and it will be possible to adjust the height of the area delimited in yellow called "Gold Box" to graphically capture the entire web page or the desired portion.



The Gold Box can be extended downwards with the resize function simply by going over it with the mouse pointer (Fig. 6), or by holding down the two buttons \downarrow and \uparrow .

In the right part the vertical scroll bar of the Gold Box will appear, which should not be confused with the vertical scroll bar of the browser.

	Bieber in ritardo a Londra fischiato dai fan La Stampa Staff	
, no à	Ulteriori informazioni	
rade di Caracas era vuota. È destra è sempre stato	In evidenza »	
	Belen si trasferisce a Roma per stare vicino a Stefano De Martino Gossip Fanpage - 01/mar/2013	
a" e minaccia la guerra. La I. Corea, l'incubo di un attacco	Le virtù del buon politico La Stampa - 01/mar/2013	
gi ma poi	Caos elezioni: emigrare sì, ma dove? Style.it - 26/feb/2013	
vest diDamasco-dove i ribelli	Domande e desideri delle donne guarite Corriere della Sera - 9 ore fa	
gua araba al Mayadin, che	Una terapia d'urto per i crediti della Pa Il Sole 24 Ore - 13 ore fa	
eno per topi	8 marzo, se la mimosa va in crisi 🏾 🕺	÷ -



The Gold Box can be extended to reach the end of the web page or up to the point where you want to make the acquisition; the acquisition area can be set either by adjusting the height of the Gold Box or by adjusting the browser's vertical scroll bar.



The basic concept for the graphic acquisition of a web page is: everything that is inside the Gold Box is acquired.

To start the acquisition of the Web page, click on the [Acquire] button - Fig. 7.



Fig. 7

As a first operation FAW will start to acquire the image of the Web page by scrolling it, then it will acquire the headers and the HTML code of the entire page (not only of the selected area) and any objects contained in the page (if selected in the program configuration).

The SSL Certificates will also be acquired (if it is a page under HTTPS protocol) and all the events generated by Windows in addition to network traffic and screencast (if selected in the preferences).

At the end of the operations the window of the folder will open where all the acquisition files have been saved; within this folder there will be the following files:

• Acquisition.log

is the file that contains the list of all the operations performed with the FAW software.

• Acquisition.txt

is a text file that contains all the references of the acquisition.

• Acquisition.xml

is a file in xml format that contains all the references of the acquisition according to the DFXML standard.

• Acquisition.zip

is an archive file that contains the files Aquisition.txt, Acquisition.xml, Checking.faw, Code.html and Image.png - these files are the minimum files necessary to certify the acquisition of the web page.

• Acquisition_{Case ID}_{nr. acquisizione}.docx

is a file in Word format containing a report containing the files Aquisition.txt, Acquisition.xml, Checking.faw, Code.html and the images of the screenshot.png. Note: this file is generated only if "Generate MS WORD and PDF" is checked in Configuration> Pro -Activity.

• Acquisition_{Case ID}_{nr. acquisizione}.pdf

is a file in PDF format containing a report containing the files Aquisition.txt, Acquisition.xml, Checking.faw, Code.html and the screenshot.png images. Note: this file is generated only if "Generate MS WORD and PDF" is checked in Configuration> Pro - Activity.

• certClient.cer

is the SSL certificate of the client that executes the request to the web page.

• certServer.cer

is the SSL certificate of the web server that hosts the web page.

• Checking.faw

is the file that contains a control code that allows you to check if the Acquisition.txt and Acquisition.xml files have not been altered.

• Code.htm

is an html file that contains all the HTML code of the web page.

• CodeFrame{nomeframe}.htm

are files that contain the HTML code of the frame {filename} if present.

• Headers.txt

is a text file that contains the headers sent to the browser from the web page.

hosts

is the copy of the windows hosts file when the web page is acquired.

• Image.png

is the file that contains the image of the web page delimited by the Gold Box in png format at 24bit.

• Image{numero}.png

they are image files with the cuttings of the complete image of the Web page acquired with aspect ratio 1.41 suitable for being printed on a full page on A4 sheets.

• screenCapture.wmv

is the video file acquired by VLC with the capture of the entire computer screen from the start of the acquisition to the end.

• SystemLogEvents.txt

is the file in which all the windows events occurred during the acquisition of the web page are recorded.

• Wireshark_{mac-address-network-interface}.pcap

is the file acquired by Wireshark with the network traffic occurred during the acquisition of the Web page.

• Cartella Objects

the folder contains all the elements of the acquired Web page (images, documents, scripts, etc.) and numbered progressively with the format [nnnnn] filename.ext.

• Cartella ImagesA4

the folder contains the Image.png file (screenshot of the web page) cut into multiple images with a basic / height ratio of the A4 format. These images are ideal for inclusion in reports that must be printed.

Each acquisition is inserted in a sequentially numbered sub-folder (example: 00001, 00002, 00003, ... 0000n) of the parent folder with the name of the Case ID chosen by the user at the start of the program.



WARNING: these folders must not be renamed, otherwise the software cannot create subsequent folders and an error will be generated.

To further certify the date and time of the acquisition of the web page, only the Acquisition.txt file or the Acquisition.xml file can be digitally signed, remembering to add a time stamp that certifies the acquisition date; alternatively it is also possible to create a compressed archive of the entire acquisition folder and digitally sign the latter.

Saving of acquisition data on FAW server

The acquisitions made by FAW can be sent to the FAW conservation server; if you want to use this function you must activate it from the Configuration> Preferences> Pro Acquisition menu by activating the "Upload acquisition on FAW Server" box.

In this way, at the end of the acquisition, FAW asks if you want to save the acquisition data on the FAW server; the data that will be saved are the following: checking code, start and end data acquisition, URL acquired and the IP address of the client that performed the acquisition.

If the user consents to the sending of these data, they will be stored in the FAW server database and will be available to perform online checks on the integrity of the acquisition.

The data on the FAW server is kept for 3 years. If the user wants to prolong their storage, they must purchase an extension of the storage by writing to support@fawproject.com at least 10 days before the deadline.

Check integrity of the acquisition

It is possible to check if the Acquisition.txt and Acquisition.xml files have not been altered using the "Acquisition checking" function available in the "Checking" menu.

Local acquisition verification

In the Checking menu, clicking on "Acquisition checking" opens the "Search folder" window in which you will have to select the folder containing the acquisition that you want to verify; by clicking on [OK] the program checks the integrity of the two files Acquisition.txt and Acquisition.xml and shows the result of the verification.

The verification function uses a proprietary algorithm that at the end of the acquisition of the Web page generates a verification code that is saved in the Checking.faw file; this file must be present in the same folder together with Acquisition.txt and Acquisition.xml when it is necessary to proceed with the verification.

Online acquisition verification

If the acquisition data has also been saved on the FAW server, it is possible to check the integrity of the Acquisition.txt and Acquisition.xml files by comparing them with the data stored in the FAW database.

To do this, simply open the Checking menu and click on the "Acquisition checking on line" item, the verification page will appear in the default browser.

The verification page uses the https protocol to guarantee the security of the data provided by the user; in this page you will have to load the two Acquisition.txt and Acquisition.xml files to check, and then click the [Check] button; the program checks the integrity of both files certifying if they have not been altered. The same page, if the verification is correct, will show the relative acquisition data saved in the FAW server database.

This procedure is an additional tool for the technical consultant to verify the integrity of the acquisitions made with the FAW software.

Verification of acquisition data on the FAW server

It is possible to check the data of a particular acquisition on the FAW server; to do this, from the Checking menu, click on "Check the presence of acquisition on FAW server"; the search page will be displayed in the default browser.

In this page it is sufficient to load the Checking.faw file of an acquisition to check if the data of this acquisition have been saved in the FAW server database.

If the checking code contained in the Checking.faw file is present in the database, all the related acquisition data will be shown.

Sending the acquisition by e-mail

The program allows you to automatically send the acquisition just made to an e-mail box; to avoid sending too heavy attachments, only the Acquisition.txt, Acquisition.xml and Checking.faw files are sent. The automatic sending via e-mail allows the acquisition to be sent to a certified PEC mailbox (via the e-mail client) and therefore to temporally certify the acquisition date.

From the Configuration> Preferences menu select the "Pro-Email" tab - Fig. 8.

onfigura	ation								
General	Acquisition	Linked Objects	Pro - Activity	Pro - File Host	Pro - UserAgent	Pro - Acquisition	Pro - Scripts	Pro - Email	Pro - Certific 4
Email									
• Do	o not send em	nail	Send email	with email client	0	Send email with F	AW		
Add	dress from								
Add	dress to								
SM					Enabled SSL	Por	t 25 🗧	k 7	
	ccess with cre Iser name	edentials, if neces		assword		Test			
									1
								Cancel	OK

Fig. 8

The available options are:

• Do not send email

Disable sending e-mail

• Send email with email client

Send the e-mail at the end of the acquisition using your default e-mail client

• Send email with FAW

The program sends an e-mail directly at the end of the acquisition, in this case it is necessary to enter the data of your e-mail account and the address of the recipient

If the e-mail is to be sent to a certified PEC e-mail address, it is necessary to use the e-mail account via the e-mail client on which the PEC account is configured.

Using the FAW STOP tool

FAW STOP is the tool that allows the acquisition of two screenshots of the same page at different times, while activating the recording of the screencast and the network sniffer. This tool is suitable for acquiring web pages that contain multimedia elements (audio and video) or streaming.

The first acquisition is performed before reproducing the multimedia element, while the second at the end of the reproduction; the multimedia element is acquired in the recording of the screencast (make sure that in "Configuration> Preferences> Pro Activity the" Active video acquisition "box is checked).

The main difference with the FAW tool is the presence of two buttons, instead of one, to carry out the first and second acquisition (Fig. 9).

🚯 🔕 🔕 🎦 F9 - Navigation 📓 F10 - Acquisition	F11 - Set Capture Area	F12 - Start Acquire	🕢 F8 - Stop Acquire
	Fig. 9		N

The button called [Start Acquire] starts the first acquisition - it must therefore be pressed before executing the multimedia element, while the button called [Stop Acquire] must be pressed after the reproduction of the multimedia element has ended.

The correct steps, therefore, to acquire a page with a multimedia element are the following:

- 1. In Navigation mode, go to the page that contains the multimedia element to be acquired.
- 2. Press the [Start Acquire] button and wait for the first acquisition to complete.
- 3. Start playing the media item.
- 4. At the end of media playback, press the [Stop Acquire] button.

In the Case folder you will find the numerical sub-folder in which they will be present:

- a folder named START in which all the elements of the first acquisition will be present;
- a STOP folder in which all the elements of the second acquisition will be present;
- the screencast file between the two acquisitions;
- the sniffer file between the two acquisitions.

Using the FAW TIME tool

FAW STOP is the tool that allows you to make acquisitions of the same web page in a scheduled way.

The operation is identical to the FAW tool apart from the presence of a text box in which to insert the time (expressed in seconds) of the schedule - Fig. 10.

Fig. 10	

The correct steps, therefore, to acquire a web page in a scheduled way are the following:

- 1. In Navigation mode, go to the web page to be acquired.
- 2. Enter the seconds after which the acquisition must be repeated in the "Next acquisition" text box.
- 3. Select the capture area by adjusting the Gold Box.
- 4. Press the [Acquire] button and wait for the first acquisition to complete.
- 5. Subsequent acquisitions will be made automatically every time period indicated in the "Next acquisition" text box
- 6. To end the acquisitions, close the program by clicking on the icon [X] in the title bar.

In the Case folder you will find the sub numeric folder in which there will be several sub-folders each of which has the date and time of the acquisition as its name.

Using the FAW TOR tool

FAW TOR is the tool that allows acquiring web pages from the TOR network.

Operation is identical to the FAW tool apart, the only difference is that a session is opened on the TOR network.

Starting the FAW TOR tool may take longer than FAW because it is necessary to wait for the connection to the TOR network to be established; the first page showing FAW TOR is the test page that indicates to the user if the connection on the TOR network is successful - Fig. 11.



Fig. 11

Even closing the tool takes more time than FAW because it must disconnect from the TOR network, close the proxy and report the computer's network configuration in a standard way.

Using the FAW BOT tool

FAW BOT is a crawler that allows you to search all the URLs of the pages linked to the initial page from which the search is started. The most interesting feature of this tool is the possibility to search for pages and information in websites protected by credentials (example: Facebook, Linkedin, etc.).

In the upper bar of FAW BOT (Fig. 11) are the following buttons and options:

File Configuration	Help awproject.com/itsdone.asp	x		00	🕥 F9 - Navigation 🙈	F10 - Search 🔐 F11 - Save	F12 - Go to Faw Get Heigh
Sub domains No	• Max level 1	 Acquisition page height No 	✓ Filter	•••		9	

Fig. 11

• [Navigation]

Allows you to browse like a normal browser

- [Search] The URL search begins
- [Save] Save the list of URLs found in a file
- [Go to FAW] Export the list of URLs found directly in the FAW MULTI tool for automatic acquisition
- [Get Height] Try to get the total height of the displayed web page

In addition to these five buttons there are also options:

• "Sub Domains"

Choose "yes" if you want the search to include subdomains, otherwise leave "no".

• "Max Level"

It allows you to choose the depth (levels) in which the search is to be performed.

• "Acquisition page height"

If "auto" is selected, the tool tries to find the total height of the displayed page (attention to the use of this feature could slow down the search a lot).

• "Filter"

It is a text box that can be used to filter results using regular expressions. For example, if you only want the pages that contain the word "business", just type in the Filter: business box; if you want only the pages that contain any e-mail address, just type in the Filter box: $[a-zA-Z0-9.! \# \% \& '* + / =? ^_ `{|} ~ -] @ + [a-zA-Z0-9] (?: [a-zA-Z0-9 -] {0,61} [a-zA-Z0-9])? (?:$ $[a-zA-Z0-9] (?: [a-zA-Z0-9 -] {0,61} [a-zA-Z0-9])?) * $$

The correct steps, therefore, to use the search with the FAW BOT tool are the following:

1. In Navigation mode, go to the page where the search should start.

- 2. Set search options: subdomains, levels, page height and filter.
- 3. Press the [Search] button

4. At the end of the search click on the [Save] button, the search results will be saved in the Case folder with the name ResultsBOT001.xml, in case of more searches the files will be called ResultsBOT002.xml, ResultsBOT003.xml ... etc.

5. At this point, if you want to start acquiring websites, click the [Go to FAW] button, in this way FAW BOT closes and the FAW MULTI tool is opened for automatic acquisition of the pages found.

Structure of the ResultsBOT001.xml file

Below is an example of the contents of the xml file with the search results:

```
<?xml version="1.0" encoding="UTF-8"?>
<CrawlerResults>
 <CrawlerResult>
    <Height>0</Height>
    <Url>https://www.testurl.com/</Url>
    <TimeSecondsFrom>0</TimeSecondsFrom>
    <TimeSecondsTo>0</TimeSecondsTo>
  </CrawlerResult>
 <CrawlerResult>
    <Height>1550</Height>
    <Url>https://www.testurl.com/contacts/</Url>
    <TimeSecondsFrom>10</TimeSecondsFrom>
    <TimeSecondsTo>10</TimeSecondsTo>
  </CrawlerResult>
  <CrawlerResult>
    <Height>9000</Height>
    <Url>https://www.testurl.com/feed/</Url>
    <TimeSecondsFrom>30</TimeSecondsFrom>
    <TimeSecondsTo>30</TimeSecondsTo>
  </CrawlerResult>
  <CrawlerResult>
    <Height>748</Height>
    <Url>https://www.testurl.com/comments/video/als4frk/</Url>
    <TimeSecondsFrom>15</TimeSecondsFrom>
    <TimeSecondsTo>220</TimeSecondsTo>
  </CrawlerResult>
```

```
</CrawlerResults>
```

Using the FAW MULTI tool

FAW MULTI is a tool that allows the automatic acquisition of a list of web pages.

The upper bar (Fig. 13) contains the following elements:

File Configuration Help		
http://www.url_1.com,0,0,0	🔻 🔕 🛛 🎯 F9 - Add web pages from file 📓 F10 - Add url 🛛 🖗 F12 - Acquire 🛛 Stop	

Fig. 13

- Menu a discesa shows the list of web pages that must be acquired.
- **Pulsante [Add web pages from file]** allows you to import a list of web pages previously saved in an xml file.
- **Pulsante [Add URL]** allows you to manually add URLs to the list of pages to be acquired.
- **Pulsante [Acquire]** Start the automatic acquisition of the pages contained in the list visible in the drop-down menu.
- Pulsante [Stop] Stop the acquisition.

FAW MULTI can automatically acquire web pages also setting the height of the Gold Box, an initial waiting time, and possibly performing two acquisitions of the same page at a certain interval (with the same modalities of the FAW STOP tool).

To automate these functions, in addition to the URL of the page to be acquired, the height of the web page to be acquired and two time intervals expressed in seconds must also be indicated.

These three parameters are set as follows:

```
https://www.testurl.com/contacts/, {p1}, {p2}, {p3}
```

Where is it:

p1 = is the height of the page expressed in pixels

p2 = is the time after which the first acquisition starts in seconds

p3 = is the time after which the second acquisition begins, expressed in seconds

If the parameters p2 and p3 are equal, only one acquisition will be performed.

If no parameter is indicated, the acquisition of the web page is carried out with the default height of the browser and immediately upon loading.

Remember that to perform a double acquisition the time of parameter p3 must always be greater than the time of parameter p2 and it is advisable to have a difference of at least 30 "(time required by the software to acquire all the elements of the page before going on to the second acquisition).

The first time parameter p1 refers to the web page loading term, while the second parameter p2 is the time that must elapse from the end of the first acquisition before starting the second one.

The following diagram shows the operation of the two parameters p1 and p2.



In the example shown above, p1 was set at 10 seconds, while p2 was set at 60 seconds. The FAW MULTI workflow is as follows: after waiting for 10 seconds, the first acquisition is started, which takes 30 seconds, at the end of the acquisition, the second 60-second wait begins, at the end of which the second acquisition is performed.

From this scheme it can therefore be understood that the time indicated by parameter p2 starts from the end of the first acquisition.

If the parameters p1, p2 and p3 are not indicated, FAW MULTI sets them to zero, in this way it will execute the acquisition with the height of the default Gold Box and immediately after loading the web page.

The insertion of the URLs to be acquired can be done in two ways: by entering them manually or by importing the xml file generated by the FAW BOT tool.

Manual entry of the URLs to be acquired

To insert a list of URLs to be acquired automatically click on the [Add URL] button, a window will open - Fig. 14 - containing a text field where you can enter all the URLs to be acquired, one for each line.

Add Url		×
https://www.testurl.com https://www.testurl.com/contacts https://www.testurl.com/feed https://www.testurl.com/comments/video/a1s4frk		^
		~
	Cancel Validate OK	(

Fig. 14

Then click on the [Validate] button, the URLs will be verified and if they are correct the [OK] button will be activated.

If a URL is entered without specifying the http or https protocol, FAW MULTI will complete it by entering http://-if you need to acquire pages with the https protocol you must enter a URL preceded by https://.

At this point, by clicking on the [OK] button, the list of URLs will be imported into the drop-down menu of the pages to be acquired. As shown in Fig. 15, for each URL the three parameters described above have been added.

ł	FAW	MULTI				
	File	Configuration	Help			
÷	https:/	//www.testurl.cor	m,0,0,0			- 🖸
	https:/	//www.testurl.cor	m,0,0,0			
	https:/	/www.testurl.com	m/contacts,0,0,0			
	https:/	/www.testurl.com	m/feed,0,0,0			
	https:/	/www.testurl.cor	m/comments/video/a1f4frk,0,0,	,0		



Obviously, not having specified the parameters p1, p2 and p3, the default software sets them to zero.

URL list entry from XML file

The list of URLs to be acquired can also be imported from an XML file by clicking on the [Add web pages from file] button.

The XML file must respect the structure of that generated by the FAW BOT tool; Below is an example:

Start of acquisitions

Once the list of URLs to be acquired has been loaded, simply click on the [Acquire] button to start the automatic acquisitions.

If for any reason it is necessary to stop the acquisition process you can press the [Stop] button.

Using the FAW FTP tool

FAW FTP is a tool that allows you to download an entire website via FTP protocol without altering the date and time of the files, as they are on the web server.

To perform the acquisition it is sufficient to fill in all the fields to authenticate on the web server with the FTP protocol: "Host", "Port", "Username", "Password", "Remote folder" and "Date Time format".

The last parameter "Date Time format" specifies the date and time format used on the server. Leaving this field empty FAW FTP automatically determines the correct format. In rare cases it is possible that automatic recognition is not possible, in this case you can manually indicate how the date and time are structured on the web server using this syntax:

d = day with one or two digits

dd = day with always two digits

M = month with one or two digits

MM = month with two digits

yy = year with two digits

yyyy = year with four digits

HH = hours with two digits

mm = minutes with two digits

ss = seconds with two digits

tt = uses AM / PM

you must also indicate the separator used for the date and that for the hours.

An example of an Italian Date Time format is:

dd/MM/yyyy HH:mm:ss

In this case the date separator is the slash "/", while for the hour they are the two points ":", the date is separated from the time by a space.

To understand the format of the date and time used on the server from which you want to perform the acquisition, simply connect with an FTP client and observe the date and time format and then indicate it in FAW FTP.

Once you have completed all the fields, simply click on the [Acquire] button to start the acquisition of all the files contained in the remote web server folder.

In the "Acquisition status" box the operations performed by the software will be shown.

Using the FAW REPORT tool

FAW REPORT is the tool that allows you to generate a report of all the acquisitions made within the same Case ID.

In the FAW REPORT main window all the acquisitions of the open case appear - Fig. 16 - from here it is possible to check only those that must be included in the report.



Fig. 16

Once the acquisitions to be imported into the report have been chosen, simply click on the [Export] button to generate the report.

Report generation is based on a Word document template located in the "Template" folder inside the FAW installation folder; the file is called FAW_REPORT.docx.

This file can be customized by the user as he sees fit; the tags for entering the elements of the acquisitions are the following:

<**FAWCASE>** Write the name of the case.

<FAWDETECTIVE> He writes the name of the investigator who opened the case.

<FAWVERSION> Writes the version number of the FAW that generated the report.

<FAWTEXTACQUISITIONS> Writes all the Acquisition.txt files of all selected acquisitions.

<**FAWIMAGESACQUISITIONS>** Writes all the image files contained in the ImagesA4 folder of each acquisition of all the selected acquisitions.