

# BTSF

## Web pages capture — Diego RIVERO

Contract number 2017 96 05 – New Food Investigation Techniques –  
Phase II - *Course 2a: E-Commerce of food standard*

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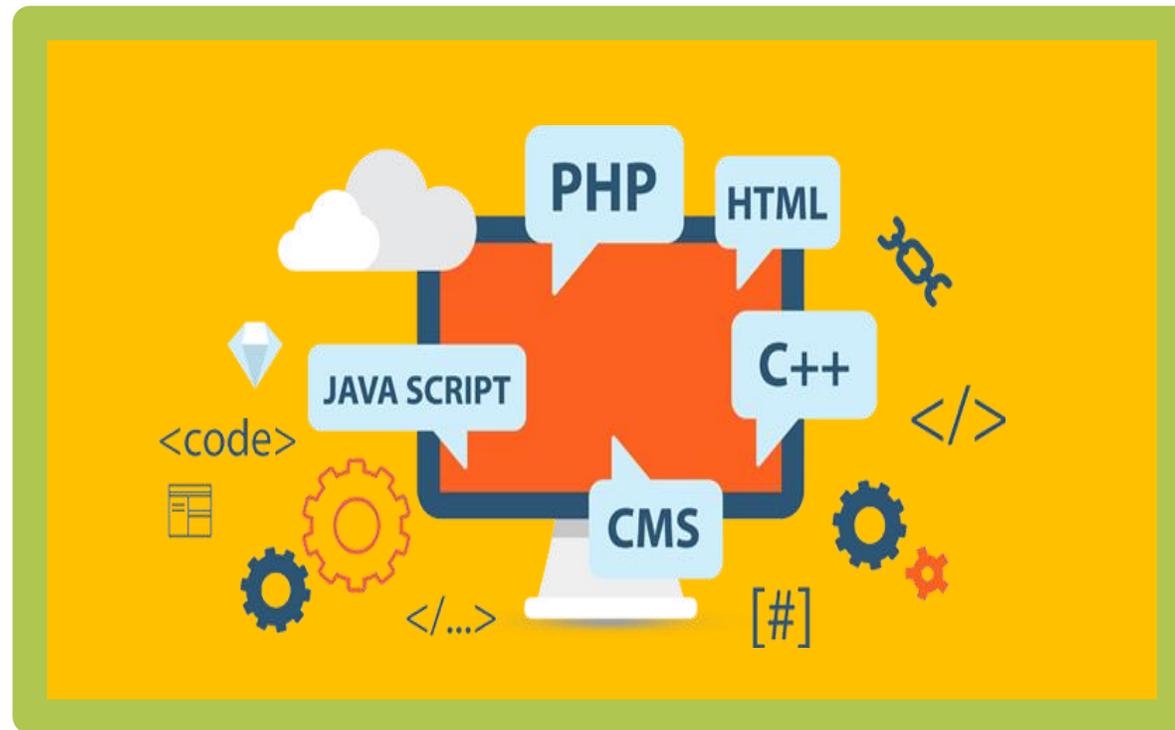
# BTSF Web pages capture

- Website structure
- Saving source code and webpages
- Saving webpages with third parties
- Saving complete websites
- Video captures



# BTSF Website structure

A website is just an ordered compilation of several (even hundreds) documents (html, pictures, files, etc.)



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## How do we save a web page?

- Many investigations will centre around one web page.
- It's very useful/essential to capture this as best evidence.
- Let's practice...

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# BTSF Saving web pages

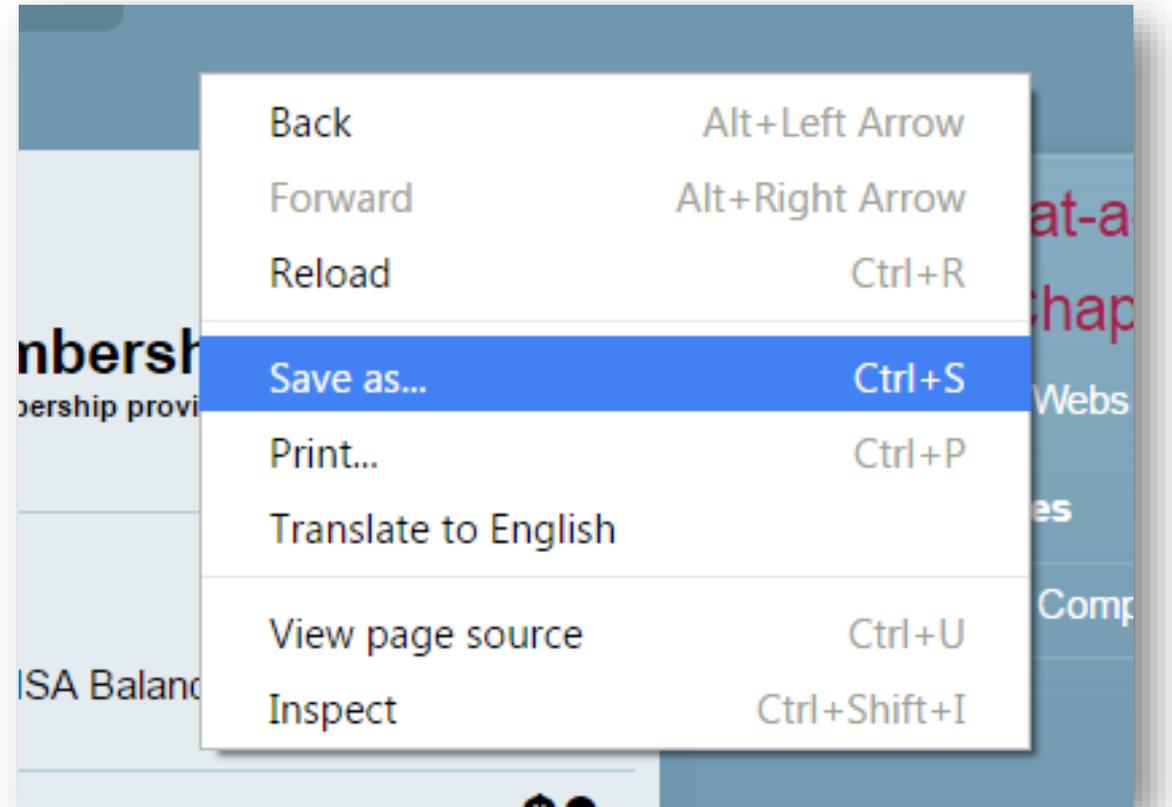
- ✓ While viewing a web page, a copy of it is saved locally; this is what is being viewed.
- ✓ Depending on the browser settings, this copy may be deleted at any time, or stored indefinitely, sometimes without the user realizing it.
- ✓ Most browsers provide options for saving a web page more permanently.

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## Let's practice... Saving web pages and source code

- Google Chrome browser... (but more or less the same with every browser)
  - Right-click + Save as
  - Ctrl + S
- Save webpage complete



# BTSF

The screenshot shows the myISACA website interface. At the top, there is a navigation bar with the myISACA logo and the tagline "Trust in, and value from, information systems". The user is logged in as Carlos, and the page title is "Information Systems Audit and Control Association, Inc. [US] | https://www.isaca.org/MyISACA/Pages/default.aspx".

The main content area is divided into several sections:

- Navigation:** Includes links for myPROFILE, myMEMBERSHIP, myCERTIFICATIONS, myDOCUMENTS, myPURCHASES, and myCONNECTIONS & GROUPS.
- Welcome, Carlos:** A personalized greeting with options to "Make this my default page when I visit ISACA.org" and "Remember My Preferences".
- Track mySTATUS:** A section for monitoring membership and certification status. It includes a "Membership" card showing a renewal date of 31 Dec 2016 and a "Certification" card for CISA, showing 0 CPE hours remaining due on 31 Dec 2016. A "Total Due: \$0" is displayed.
- 2016 ISACA® TRAINING:** A promotional banner for training events, including "ADD NEW KNOWLEDGE. ADVANCE YOUR CAREER." and "CERTIFICATION EXAM DATE 11 JUNE 2016".
- My Notifications:** A section for user notifications, showing a notification from 2 Mar 2016.
- ISACA Updates:** A section for updates, showing an update from 06 Apr 2016.
- Quick Links:** A section for quick links, showing a link to "My" and "Saved".

A context menu is open over the "Track mySTATUS" section, displaying options such as "Back", "Forward", "Reload", "Save as...", "Print...", "Translate to English", "View page source", and "Inspect".

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The screenshot shows a web browser window displaying the MyISACA website. The browser's address bar shows the URL <https://www.isaca.org/MyISACA/Pages/default.aspx>. The website header includes the MyISACA logo and navigation links: My Alerts, Support, Shopping Cart, Sign Out, Renew, Join ISACA, and Welcome Carlos. A 'Save As' dialog box is open in the foreground, showing the 'Libraries' view. The dialog box has the following details:

- File name: MyISACA.html
- Save as type: Webpage, Complete (selected)
- Other options: Webpage, HTML Only, Webpage, Complete

The background website content includes a 'myPROFILE' section with a 'Welcome' message and a 'Track my' section. At the bottom, there are several promotional banners:

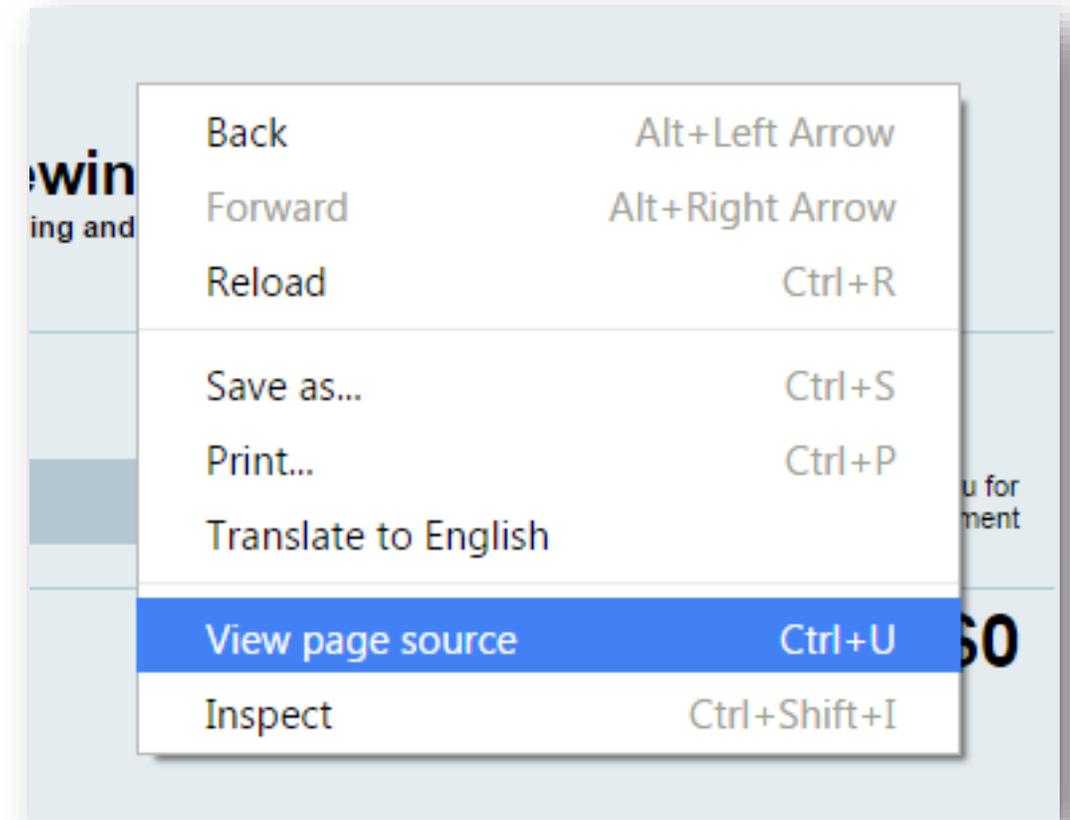
- 2018 ISACA® TRAINING**: ADD NEW KNOWLEDGE. ADVANCE YOUR CAREER. FOUNDATIONS OF IT RISK MANAGEMENT. NEW ORLEANS, LA | 2 - 6 May. Register today! Earn up to 32 CPE hours.
- CERTIFICATION EXAM DATE 11 JUNE 2016**: REGISTER ONLINE BY 8 APRIL 2016 TO AUTOMATICALLY SAVE US \$75! REGISTER >
- Introducing CSX Practitioner Boot Camp**: Accelerated, 5-Day Cyber Security Skills Training. REGISTER TODAY >
- NORTH AMERICA CACS 2016**: EARN UP TO 39 CPE HOURS. REGISTER >

At the bottom of the page, there are sections for 'My Notifications' (2 Mar 2016), 'ISACA Updates' (06 Apr 2016), and 'Quick Links'.

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## Let's practice... Saving web pages and source code

- Google Chrome browser
- Viewing and saving page source code
  - Right-click + View page source
  - Ctrl + U
- Or save webpage HTML only



# BTSF

The screenshot shows the myISACA website interface. At the top, there is a navigation bar with the myISACA logo and the tagline "Trust in, and value from, information systems". The user is logged in as Carlos, and the page displays a personalized welcome message: "Welcome, Carlos (I'm not Carlos)".

Key sections include:

- Track mySTATUS:** Shows membership status (paid through 31 Dec 2016) and certification status (CISA, certified through 31 Dec 2016, with 2015 CISA CPE Hours Remaining Due).
- Chapter at-a-glance:** Displays information for the Madrid Chapter, including a link to the chapter website, messages, compliance status, and events.
- 2016 ISACA® TRAINING:** Promotes "FOUNDATIONS OF IT RISK MANAGEMENT" in New Orleans, LA, from May 2-5, 2016, with a registration link.
- CERTIFICATION EXAM DATE:** Announces the exam date as 11 June 2016, with a registration link and a note to register online by 8 April 2016 to save \$75.
- Introducing CSX Practitioner Boot Camp:** Promotes an accelerated, 5-day cyber security skills training program with a registration link.
- NORTH AMERICA CACS 2016:** Promotes a conference where users can earn up to 39 CPE hours, with a registration link.

At the bottom, there are sections for "My Notifications" (dated 2 Mar 2016), "ISACA Updates" (dated 06 Apr 2016), and "Quick Links".

# BTSF

```
MyISACA x view-source:https:// x
Information Sys
Untitled - Notepad
File Edit Format View Help
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html __expr-val-dir="ltr" dir="ltr">
<head><meta name="GENERATOR" content="Microsoft SharePoint" /><meta http-equiv="Content-Type" content="text/html; charset=utf-8" /><meta http-equiv="Expires" content="0" /><meta http-equiv="X-UA-Compatible" content="IE=EmulateIE8" /><META NAME="ROBOTS" CONTENT="NOHTMLINDEX"/><title>
MyISACA
</title><script src="/_layouts/1033/init.js?rev=TFgMAEbR8Rj7bIFPqCsR5w%3D%3D" /></script>
<script type="text/javascript" language="javascript" src="/_layouts/1033/non_ie.js?rev=yfNry4hY0Gwa%2FPDNGrqXVg%3D%3D" /></script>
<script src="/9ffa4600af84abc9026dae89076197a82e6ef025/satellite/lib-1e5fc580126ed2f59d81e58814b5de256b211d82.js" /></script>
<script src="/_layouts/Ontolica/jquery-1.3.2.js" type="text/javascript" /></script>
<script src="/Style Library/ajax/jquery/jquery.min.js" type="text/javascript" /></script>
<script src="/Style Library/ajax/jquery/jquery-ui.min.js" type="text/javascript" /></script>
<script type="text/javascript" src="/Style Library/scripts/BCCDefault-min.js" /></script>
<!--<script type="text/javascript" src="/_layouts/community/peoplepicker/definejsvars.aspx" type="text/javascript" /></script>
<!--<script type="text/javascript" src="https://cloud.moovweb.net/api/public/js_redirection/moovweb/isaca-prod.js" /></script-->
<script type="text/javascript" src="/Style Library/MoovWeb/moovweb_redirection.js" /></script>
<script src="/Style Library/scripts/scripts_main.js" type="text/javascript" /></script>
<script type="text/javascript" src="/Style Library/testandtarget/mbox.js" /></script>
<link rel="stylesheet" type="text/css" href="/_layouts/1033/styles/ISACACPE/CpeCycleSummaryProgress.css?rev=J4c61S531PUATRAFhp7nQ%3D%3D" /><link rel="stylesheet" type="text/css" href="/_layouts/1033/styles/ISACACPE/CpeDashboard.css?rev=4J%2FX3z4tmU6Tan1dxm039Q%3D%3D" /><link rel="stylesheet" type="text/css" href="/_layouts/1033/styles/ISACACPE/Form.css?rev=843zq671I5zQg9zPeOVLg%3D%3D" /><link rel="stylesheet" type="text/css" href="/_layouts/1033/styles/HtmlEditorCustomStyles.css?rev=85KxtN33FmDhbbfB27UA%3D%3D" /><link rel="stylesheet" type="text/css" href="/_layouts/1033/styles/HtmlEditorTableFormats.css?rev=guYGDUBUxQit03E2jhsdvA%3D%3D" /><link rel="stylesheet" type="text/css" href="/_layouts/1033/styles/ISACACPE/CpeDetails.css" /><link rel="stylesheet" type="text/css" href="/_layouts/1033/styles/susqtech/controls.css" /><link rel="stylesheet" type="text/css" href="/_layouts/1033/styles/susqtech/core.css" /><link rel="stylesheet" type="text/css" href="/Style Library/ISACADefault.css" /><link rel="stylesheet" type="text/css" href="/Style Library/ISACAMaster-MyISACA.css" /><link rel="stylesheet" type="text/css" href="/Style Library/ISACASearchBox.css" />
<!-- Include Print CSS -->
<link rel="stylesheet" href="/Style Library/ISACADefault-Print.css" type="text/css" media="print" />
<link rel="stylesheet" type="text/css" href="/Style%20Library/ISACALayout-MyISACADashboardLanding.css" />
<link rel="stylesheet" type="text/css" href="/Style%20Library/ISACALayout-Home.css" />
<script type="text/javascript" src="/_layouts/1033/CustomScripts/namefix.js" defer="true" /></script>
<script type="text/javascript" src="/_layouts/1033/SusQtechScripts/dsfix.js" defer="true" /></script>
<script type="text/javascript" src="/_layouts/1033/CustomScripts/dsfix.js" defer="true" /></script>
<script type="text/javascript" src="/_layouts/1033/CustomScripts/wpfix.js" defer="true" /></script>
<script type="text/javascript" src="/_layouts/1033/SusQtechScripts/namefix.js" defer="true" /></script>
<!--[if gte IE 7]>
<script type="text/javascript" src="/Style Library/scripts/ISACADefault-IE-min.js" /></script>
<![endif]>
<!--[if lt IE 7]>
<script type="text/javascript" src="/Style Library/scripts/ISACADefault-IE-min.js" /></script>
<script defer="defer" type="text/javascript" language="javascript" src="/Style Library/scripts/pngfix-min.js" /></script>
<script type="text/javascript" src="/Style Library/scripts/iepngfix_tilebg-min.js" /></script>
<link rel="stylesheet" type="text/css" href="/Style Library/ISACADefault-IE.css" />
<![endif]>
```

# BTSF

## Saving web pages using third parties

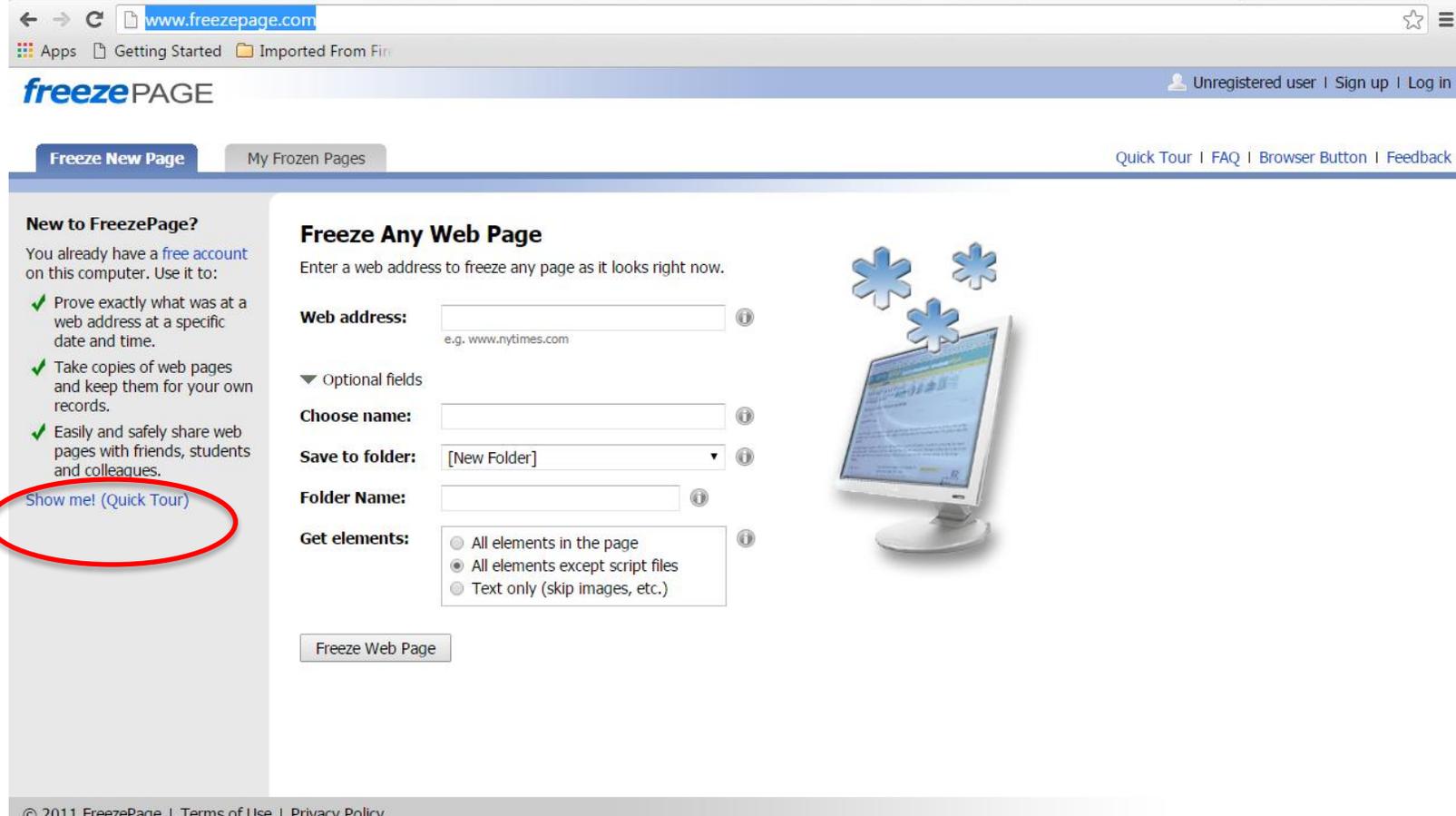
There are several tools or sites that offer the possibility to save web pages.  
Useful when evidence can be compromised using manual approach.

Example:

- <http://www.freeze-page.com/>
- <https://web.safestamper.com/> (not free)
- <https://archive.org/web/>

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# BTSF Saving web pages using third parties



The screenshot shows a web browser at [www.freezepage.com](http://www.freezepage.com). The page has a navigation bar with 'freezePAGE' and user options like 'Unregistered user | Sign up | Log in'. Below the navigation bar are tabs for 'Freeze New Page' and 'My Frozen Pages', and links for 'Quick Tour | FAQ | Browser Button | Feedback'. The main content area is divided into two sections: 'New to FreezePage?' and 'Freeze Any Web Page'. The 'New to FreezePage?' section lists three benefits and includes a link 'Show me! (Quick Tour)' which is circled in red. The 'Freeze Any Web Page' section contains a form with fields for 'Web address', 'Choose name', 'Save to folder', 'Folder Name', and 'Get elements'. A 'Freeze Web Page' button is at the bottom of the form. To the right of the form is an illustration of a computer monitor with snowflakes above it. A large, light blue letter 'F' is visible on the right side of the page.

**New to FreezePage?**  
You already have a [free account](#) on this computer. Use it to:

- ✓ Prove exactly what was at a web address at a specific date and time.
- ✓ Take copies of web pages and keep them for your own records.
- ✓ Easily and safely share web pages with friends, students and colleagues.

[Show me! \(Quick Tour\)](#)

**Freeze Any Web Page**  
Enter a web address to freeze any page as it looks right now.

**Web address:**  ⓘ  
e.g. [www.nytimes.com](http://www.nytimes.com)

▼ Optional fields

**Choose name:**  ⓘ

**Save to folder:**  ⓘ

**Folder Name:**  ⓘ

**Get elements:** ⓘ

- All elements in the page
- All elements except script files
- Text only (skip images, etc.)

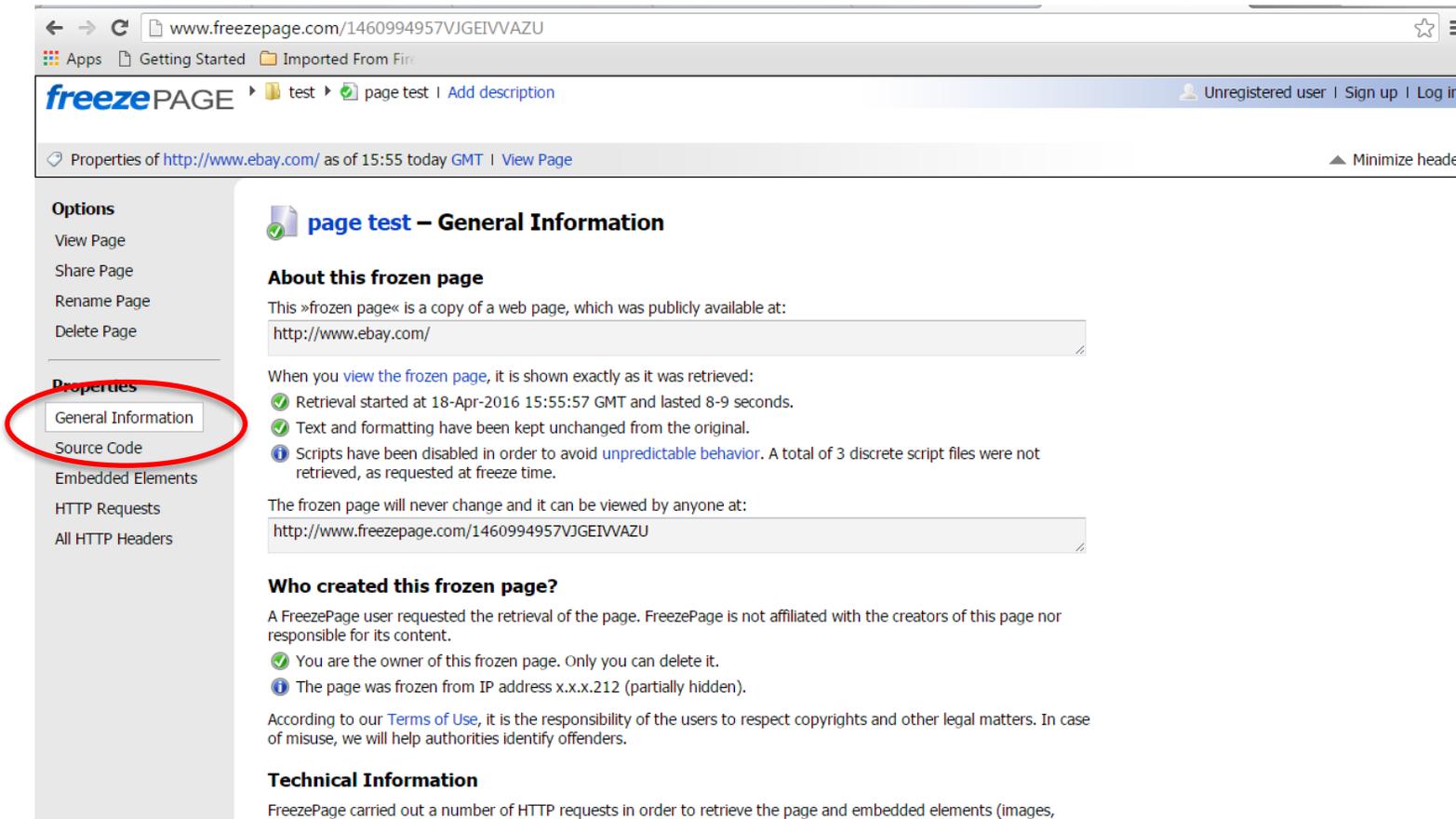
© 2011 FreezePage | [Terms of Use](#) | [Privacy Policy](#)

# BTSF Saving web pages using third parties

The screenshot displays a web browser window with the following elements:

- Address Bar:** [www.freezePAGE.com/1462355711MUBSIHHQHY](http://www.freezePAGE.com/1462355711MUBSIHHQHY)
- Page Title:** Information Technology
- Browser Navigation:** Back, Forward, Home, Refresh, Search, and other standard icons.
- User Profile:** Unregistered user | Sign up | Log in
- Page Content:** This was <http://www.isaca.org/> as of 09:55 today GMT | More Info
- ISACA Website Header:** ISACA logo, "Trust in, and value from, information systems", and navigation links: Support, Shopping Cart, Renew, Join ISACA, Sign In, ENGLISH.
- ISACA Website Navigation:** ABOUT, MEMBERSHIP, CERTIFICATION, EDUCATION, COBIT, KNOWLEDGE CENTER, JOURNAL, BOOKSTORE.
- ISACA Website Content:**
  - What's New:** ISACA Updates (02 May 2016: Journal Author Blog: The Benefits of Effective SIEM Policy Development; 02 May 2016: Impact future CGEIT exams by participating in an item writing workshop!; 01 May 2016: Now Available).
  - ISACA Now Blog:** 3 May 2016: WIRED Editor David Rowan Predicts Future of Audit, Governance, Risk Management; 28 Apr 2016: Chic Geek Speak: Vanquish the "Nice Syndrome".
  - Membership:** Join a global network of peers, and save on exams, education and books. Buttons: JOIN, RENEW.
  - Certification:** Learn More | Find a Local Chapter | Volunteer

# BTSF Saving web pages using third parties



The screenshot shows a web browser window displaying the FreezePage interface. The address bar shows the URL `www.freezepage.com/1460994957VJGEIVVAZU`. The page title is "page test" and the breadcrumb is "test > page test". The user is logged in as "Unregistered user". The main content area is titled "page test – General Information" and contains the following sections:

- About this frozen page**
  - This »frozen page« is a copy of a web page, which was publicly available at: `http://www.ebay.com/`
  - When you [view the frozen page](#), it is shown exactly as it was retrieved:
    - ✓ Retrieval started at 18-Apr-2016 15:55:57 GMT and lasted 8-9 seconds.
    - ✓ Text and formatting have been kept unchanged from the original.
    - ⓘ Scripts have been disabled in order to avoid [unpredictable behavior](#). A total of 3 discrete script files were not retrieved, as requested at freeze time.
  - The frozen page will never change and it can be viewed by anyone at: `http://www.freezepage.com/1460994957VJGEIVVAZU`
- Who created this frozen page?**
  - A FreezePage user requested the retrieval of the page. FreezePage is not affiliated with the creators of this page nor responsible for its content.
  - ✓ You are the owner of this frozen page. Only you can delete it.
  - ⓘ The page was frozen from IP address x.x.x.212 (partially hidden).
- Technical Information**
  - FreezePage carried out a number of HTTP requests in order to retrieve the page and embedded elements (images,

The left sidebar contains a "Properties" section with a red circle around the "General Information" link. Other options include "View Page", "Share Page", "Rename Page", "Delete Page", "Source Code", "Embedded Elements", "HTTP Requests", and "All HTTP Headers".

# BTSF Saving web pages using third parties

The screenshot shows a web browser window displaying a page from freezePAGE. The address bar shows the URL [www.freezePAGE.com/1462355711MUBSIHHQHY](http://www.freezePAGE.com/1462355711MUBSIHHQHY). The page title is "Information Technology" and it is categorized under "New Frozen Pages". The page content includes "About this" information and "Who created this frozen page?". A share dialog box is open in the center, titled "Share »Information Technology «". The dialog box contains the text "Click a button to share the frozen page with your network:" followed by social media icons for Facebook, Twitter, LinkedIn, and others. Below the icons, there is a text input field containing the URL <http://www.freezePAGE.com/1462355711MUBSIHHQHY>, which is circled in red. A "Close" button is located at the bottom of the dialog box. The "Options" menu on the left side of the page is also circled in red.

F

# BTSF Saving web pages using third parties

www.freezepage.com/user

freezePAGE

Unregistered user | Sign up | Log in

Freeze New Page | My Frozen Pages

Quick Tour | FAQ | Browser Button | Feedback

### Registration Benefits

Registration is free and gives you:

- ✓ **Mobility**  
Log in and access your frozen pages from anywhere on the Internet - not just from the computer where you froze them.
- ✓ **More Space**  
Unregistered users have 10 MB available for their account, whereas members get 20 MB of free storage space.
- ✓ **More Time**  
Unregistered accounts are closed after three days of inactivity, whereas registered users only need to log on every month.

### Sign Up With FreezePage

If you are new to FreezePage, please sign up here. All data can be modified later if necessary. If you have already signed up, [log in here](#).

**Email address:**

**Reenter email:**

**Choose password:**

**Reenter password:**

▼ General preferences

**User ID (public):**

**Time format:**

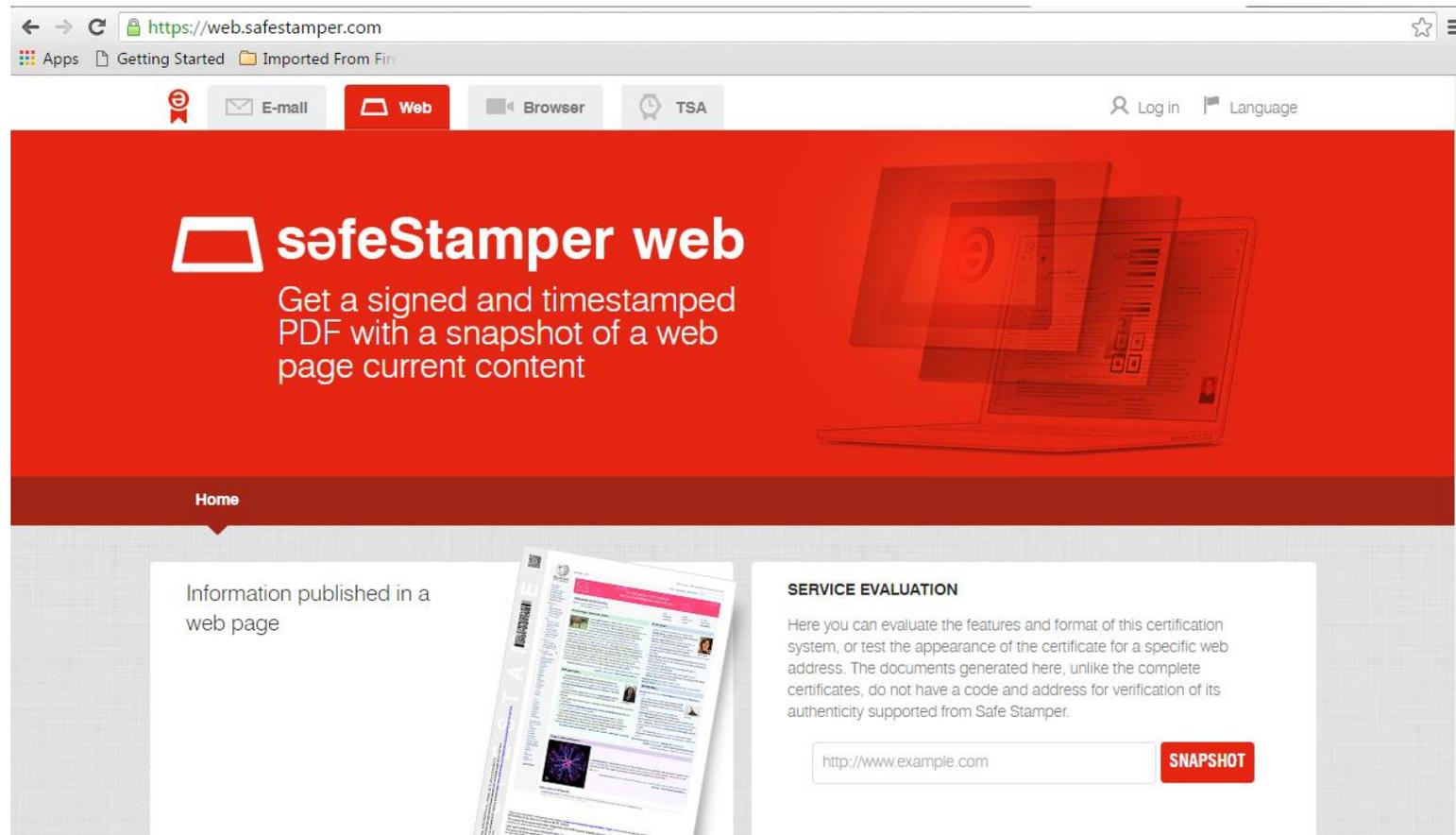
**Time zone:**

**This device:**

- Keep me logged in on this device
- Log me out when I close the browser

© 2011 FreezePage | Terms of Use | Privacy Policy

# BTSF Saving web pages using third parties



The screenshot shows a web browser window with the URL <https://web.safestamper.com>. The browser's address bar and tabs are visible. The page features a prominent red header with the text "safeStamper web" and a sub-headline: "Get a signed and timestamped PDF with a snapshot of a web page current content". Below the header, there is a navigation bar with "Home" selected. The main content area is divided into two sections. The left section, titled "Information published in a web page", includes an image of a document. The right section, titled "SERVICE EVALUATION", contains a text description and a form with a text input field containing "http://www.example.com" and a red "SNAPSHOT" button. A large, light blue letter "F" is overlaid on the right side of the screenshot.

# BTSF Saving web pages using third parties

Signed by: SAFE CREATIVE, S.L., On date: May 4, 2016 10:35:00 AM UTC  
This is a test document generated for evaluating Safe Stamper web page certification service  
so it does not have a validation service.  
Page 1 of 2

THIS WEBSITE USES INFORMATION GATHERING TOOLS INCLUDING COOKIES, AND OTHER SIMILAR TECHNOLOGY. BY USING THIS WEBSITE, YOU CONSENT TO USE OF THESE TOOLS. IF YOU DO NOT CONSENT, DO NOT USE THIS WEBSITE. USE OF THIS WEBSITE IS NOT REQUIRED BY ISACA. OUR PRIVACY POLICY IS LOCATED HERE.

This is the information retrieved from the address <http://www.isaca.org> when queried on May 4, 2016 10:35:00 AM (UTC) from the IP address 54.247.118.247.

The page source code (index.html) has been included as attachment to this document.

User agent used on the query: Mozilla/5.0 (X11; Linux x86\_64) AppleWebKit/537.36 (KHTML, like Gecko)

This query has been performed by [web.safestamper.com](http://web.safestamper.com) service from Safe Creative Ltd, which records and digitally signs its result in this PDF document on May 4, 2016 10:35:00 AM (UTC)

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## Saving web pages using third parties

[Adobe Acrobat](#) and [Microsoft Office](#) have built-in time stamping and digital signature facilities. They are likely to meet the requirements of an advanced electronic signature.

Further information about time stamping, digital signature and providers in Europe:

<https://ec.europa.eu/cefdigital/wiki/display/CEFDIGITAL/eSignature>

# BTSF

## Capturing the Internet history: The Internet Library

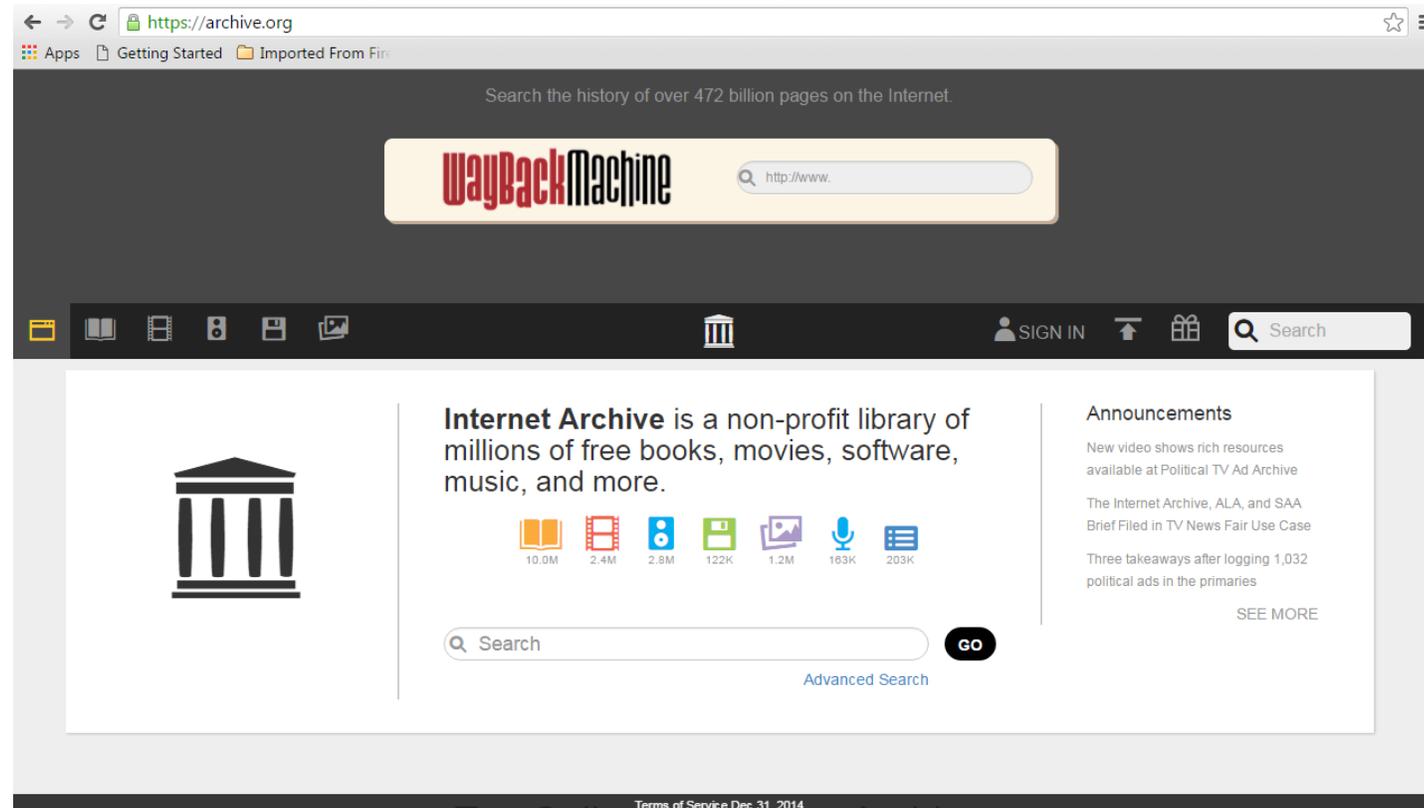
- The Internet Archive is a non-profit organization founded to build an Internet library.
- Its purposes include offering permanent access for researchers, historians, scholars, people with disabilities, and the general public to historical collections that exist in digital format.
- Now the Internet Archive includes: texts, audio, moving images, and software as well as archived web pages.

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## Capturing the Internet history: The Internet Library

- Basically, the Internet Archive saves copies of web pages published in different times.
- We can access to different views of the same site in different times to compare them.
- Useful in investigations where the history can provide useful evidence.
- The Internet Archive web engine doesn't index all websites everyday, so this is not a complete compilation of every piece of content upload into the Internet.

# BTSF The Internet Library: archive.org



Search the history of over 472 billion pages on the Internet.

**WayBackMachine**

10.0M 2.4M 2.8M 122K 1.2M 183K 203K

Internet Archive is a non-profit library of millions of free books, movies, software, music, and more.

Announcements

- New video shows rich resources available at Political TV Ad Archive
- The Internet Archive, ALA, and SAA Brief Filed in TV News Fair Use Case
- Three takeaways after logging 1,032 political ads in the primaries

SEE MORE

Terms of Service Dec 31, 2014

# BTSF The Internet Library: archive.org

INTERNET ARCHIVE  
**WayBackMachine**

<http://www.ebay.com> BROWSE HISTORY

<http://www.ebay.com>  
Saved **18,910 times** between June 14, 1997 and April 17, 2016.

**PLEASE DONATE TODAY.** Your generosity preserves knowledge for future generations. Thank you.

1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 **2016**

JAN FEB MAR APR  
MAY JUN JUL AUG

# BTSF

## Capturing a whole website

- Sometimes you may want the whole site.
- Only recommended for small sites.
- Automated tools work their way around a site, saving the data for you.
- These are called “offline browsers”.
- HTTrack is a free tool.
- Depending on the website size it’s a time consuming process.

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## Capturing a whole website - **WARNING**

- Website copying is not recommended in all cases.
- If it is noticed that a user/connection is going systematically through all the pages from a site within a short time period, this may look more suspicious than accessing occasionally some pages from an anonymous IP over a longer time period.
- Some websites may block automatic web crawling. In these cases this tool will not work.

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## Capturing a whole website - **WARNING**

- Downloading a site can overload it, which may raise suspicions.
- To avoid this, follow these simple guidelines:
  - Do not use too many simultaneous connections.
  - Configure the depth of downloading.
  - Use size limits.
  - Use time limits.
  - Try to not download during working hours.
  - Check your mirror transfer rate/size.

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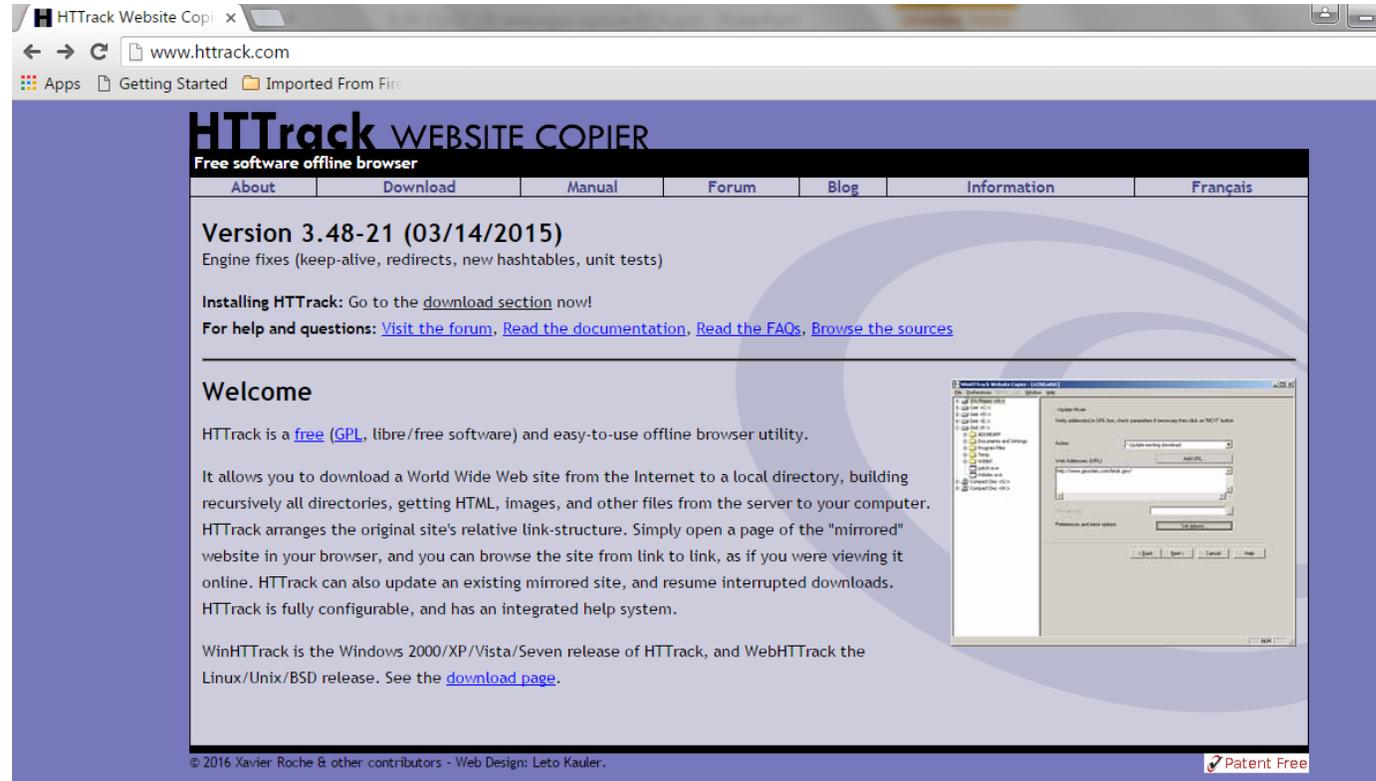
# BTSF

## Capturing a whole website - **WARNING**

- Also, make sure that you can copy the website according to your national legislation:
  - Are the pages copyrighted?
  - Can you copy them only for private purpose?

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# BTSF Exercise: Saving complete websites using an offline browser



The screenshot shows a web browser window with the address bar at [www.httrack.com](http://www.httrack.com). The page title is "HTTrack WEBSITE COPIER" and it is described as "Free software offline browser". The navigation menu includes links for "About", "Download", "Manual", "Forum", "Blog", "Information", and "Français". The main content area features a "Version 3.48-21 (03/14/2015)" announcement, installation instructions, and a "Welcome" section. The "Welcome" section states that HTTrack is a free (GPL) and easy-to-use offline browser utility that allows users to download a World Wide Web site to a local directory, building recursively all directories, getting HTML, images, and other files from the server to their computer. It also mentions that HTTrack can update an existing mirrored site and resume interrupted downloads. An inset image shows the HTTrack Website Copier application interface, which includes a file tree on the left, a central panel for selecting a URL, and a right panel for configuring options like "Copy HTML" and "Copy Images".

HTTrack WEBSITE COPIER  
Free software offline browser

About Download Manual Forum Blog Information Français

**Version 3.48-21 (03/14/2015)**  
Engine fixes (keep-alive, redirects, new hashtables, unit tests)

Installing HTTrack: Go to the [download section](#) now!  
For help and questions: [Visit the forum](#), [Read the documentation](#), [Read the FAQs](#), [Browse the sources](#)

---

**Welcome**

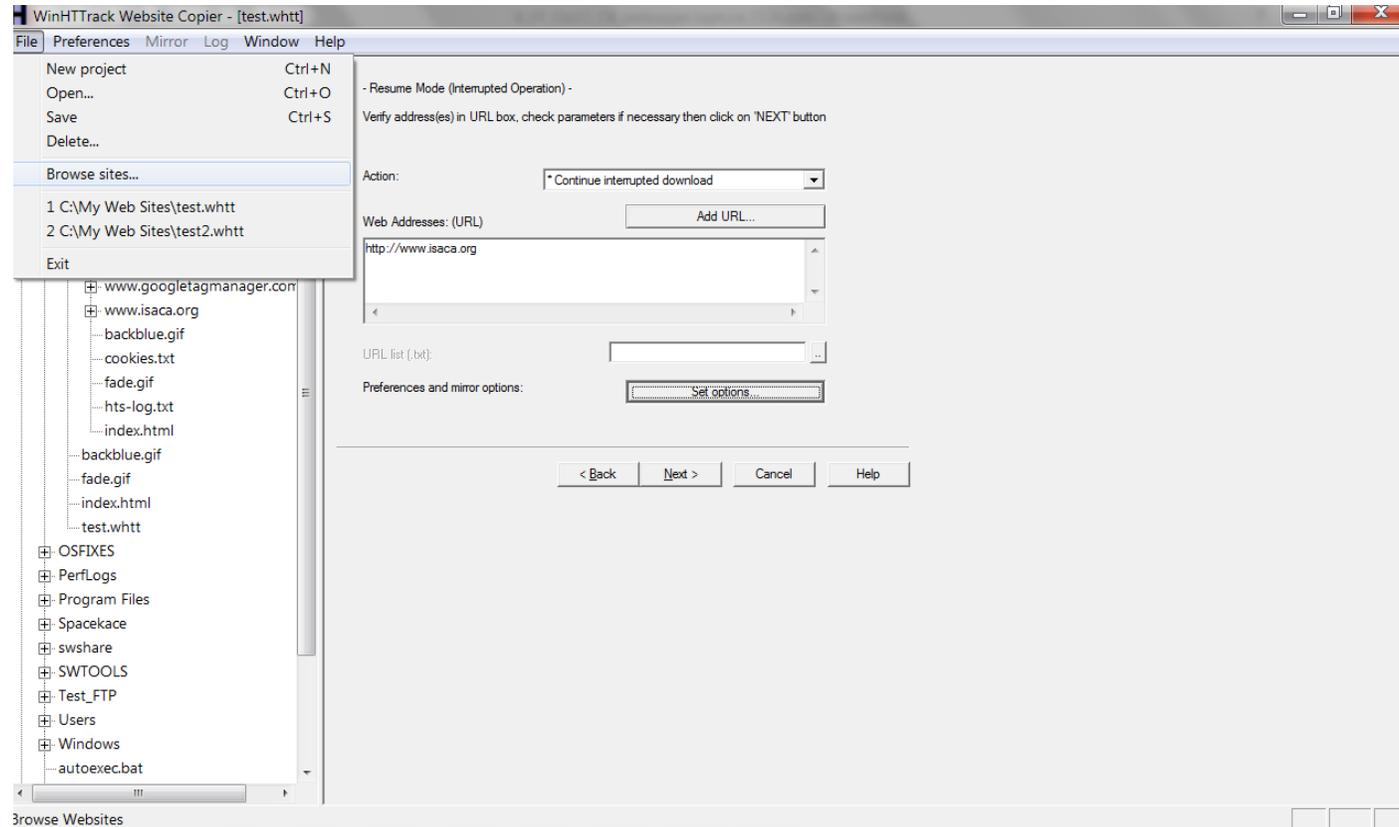
HTTrack is a [free \(GPL, libre/free software\)](#) and easy-to-use offline browser utility.

It allows you to download a World Wide Web site from the Internet to a local directory, building recursively all directories, getting HTML, images, and other files from the server to your computer. HTTrack arranges the original site's relative link-structure. Simply open a page of the "mirrored" website in your browser, and you can browse the site from link to link, as if you were viewing it online. HTTrack can also update an existing mirrored site, and resume interrupted downloads. HTTrack is fully configurable, and has an integrated help system.

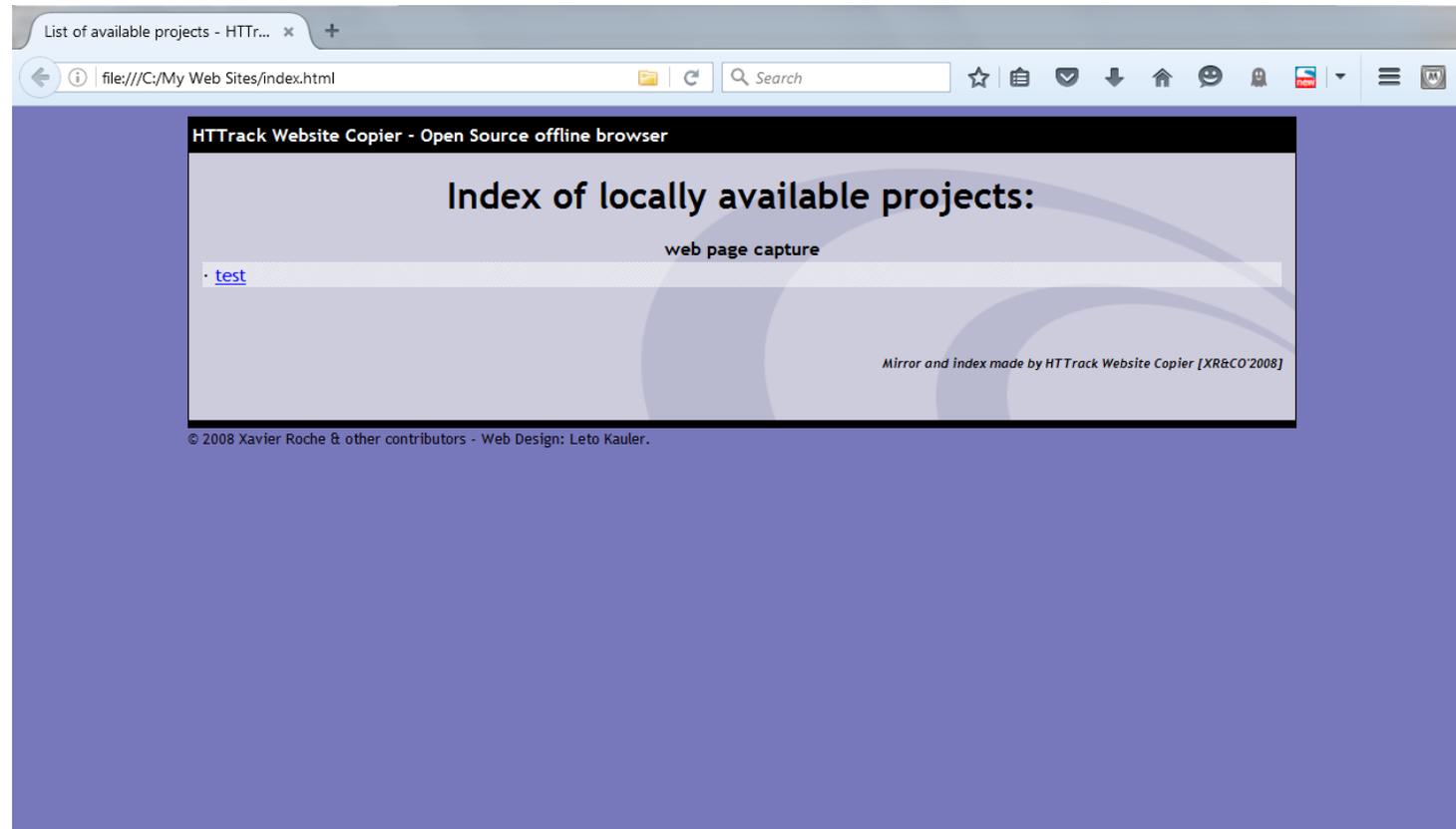
WinHTTrack is the Windows 2000/XP/Vista/Seven release of HTTrack, and WebHTTrack the Linux/Unix/BSD release. See the [download page](#).

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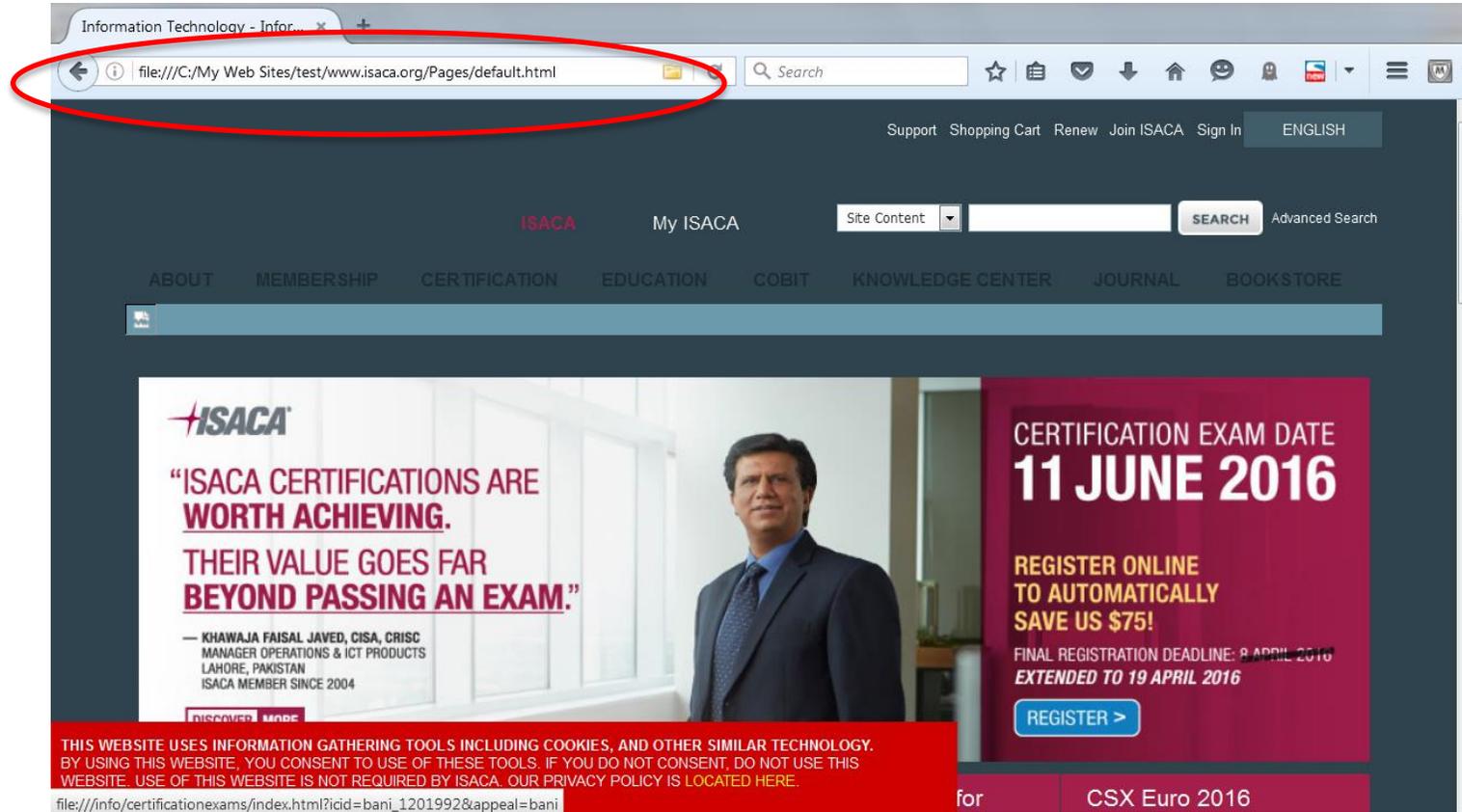
# BTSF Exercise: Saving complete websites using an offline browser



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# BTSF Exercise: Saving complete websites using an offline browser

The screenshot shows a Windows File Explorer window with the address bar set to 'Computer > Local Disk (C:) > My Web Sites > test'. The left pane shows a tree view of folders including 'My Web Sites', 'test', 'assets.adobedtm.com', '9ffa4600af84abc9026dae89076197a82...', 'hts-cache', 'www.googletagmanager.com', 'www.isaca.org', 'OSFIXES', 'PerfLogs', 'Program Files', 'ProgramData', 'Recovery', 'Spacekace', 'swshare', 'SWTOOLS', 'System Volume Informati', 'Test\_FTP', 'Users', 'Windows', 'home (\\CoscoNAS) (Z:)', 'Cajas fuertes de McAfee', 'Network', 'LIVEBOX', and 'PC'. The right pane shows a list of files and folders:

Name	Date modified	Type	Size
assets.adobedtm.com	13/04/2016 18:42	File folder	
hts-cache	14/04/2016 10:43	File folder	
www.googletagmanager.com	13/04/2016 18:50	File folder	
www.isaca.org	14/04/2016 10:43	File folder	
backblue.gif	14/04/2016 10:42	GIF image	5 KB
cookies.txt	14/04/2016 10:43	Text Document	2 KB
fade.gif	14/04/2016 10:42	GIF image	1 KB
hts-log.txt	14/04/2016 10:43	Text Document	66 KB
index.html	14/04/2016 10:42	Firefox HTML Docu...	6 KB

The 'hts-log.txt' file is circled in red. A Notepad window titled 'hts-log.txt - Notepad' is open in the foreground, displaying the following text:

```
HTTrack3.48-21+htsswf+htsjava launched on Thu, 14 Apr 2016 10:42:45 at http://www.isaca.org +*.png -> (winhttrack -qiC1%Ps2u1%$uN0%I0p3DaK0H0%kf2A25000%f#f -F -%F "<!-- Mirrored from %s%s by HTTrack v
Information, Warnings and Errors reported for this mirror:
note: the hts-log.txt file, and hts-cache folder, may contain sensitive information,
such as username/password authentication for websites mirrored in this project
do not share these files/folders if you want these information to remain private
10:42:54 Error: Exit requested by shell or user
10:42:56 Warning: Found for www.isaca.org/
10:42:56 Warning: File has moved from www.isaca.org/ to https://www.isaca.org/Pages/de
10:42:56 Warning: File not added due to mirror cancel: www.googletagmanager.com/gtm.js
10:42:57 Warning: File not added due to mirror cancel: https://www.isaca.org/Chinese-?
10:42:57 Warning: File not added due to mirror cancel: https://www.isaca.org/chinese-1
10:42:57 Warning: File not added due to mirror cancel: https://www.isaca.org/german
10:42:57 Warning: File not added due to mirror cancel: https://www.isaca.org/spanish
10:42:57 Warning: File not added due to mirror cancel: https://www.isaca.org/french
10:42:57 Warning: File not added due to mirror cancel: https://www.isaca.org/hebrew
10:42:57 Warning: File not added due to mirror cancel: https://www.isaca.org/italian
10:42:57 Warning: File not added due to mirror cancel: https://www.isaca.org/japanese
10:42:57 Warning: File not added due to mirror cancel: https://www.isaca.org/korean
10:42:57 Warning: File not added due to mirror cancel: https://www.isaca.org/dutch
10:42:57 Warning: File not added due to mirror cancel: https://www.isaca.org/polish
```

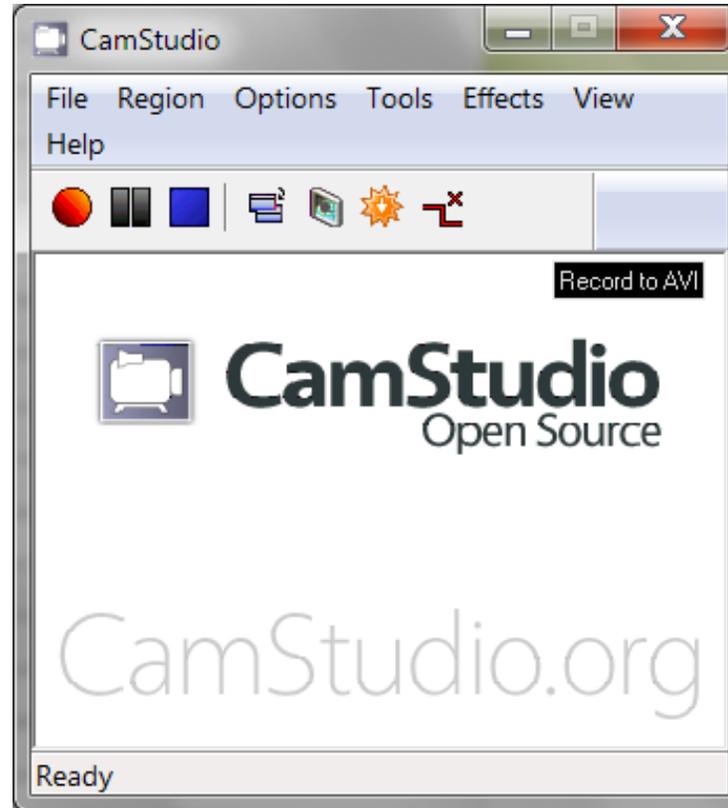
# BTSF

## Creating Video Captures

- Creating videos of your online activity is very useful
- It can include sound, animation or other details (pop-ups, etc.)
- Video capture software is easily available
- It is recommended to evidence the time/date of the recording.
  - **Tip:** check an official time reference online at the beginning of your investigation video recording

# BTSF

## Exercise: Setting up CamStudio and creating a video capture



# TSSF

# BTSF

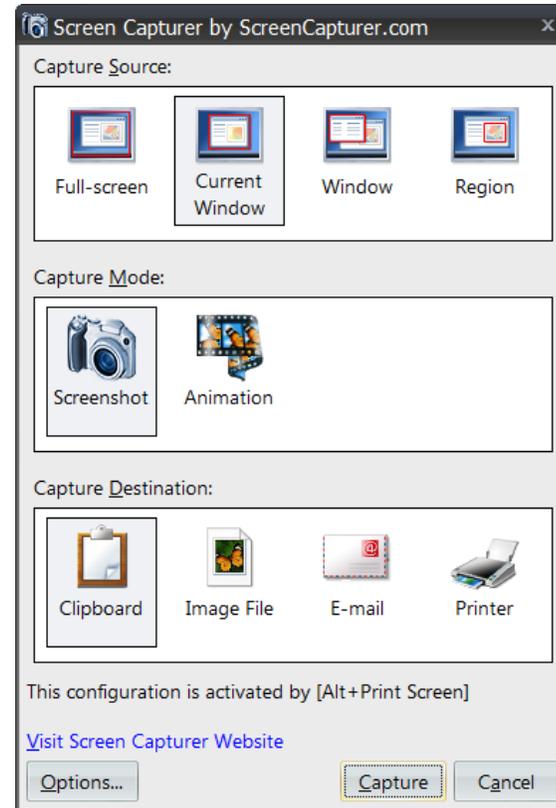
Exercise: Setting up Hypercam and creating a video capture

# HYPER CAM SCREEN RECORDER



# BTSF

# BTSF Exercise: Setting up Screen Capturer and creating a video capture



# BTSF

## Things to remember



Most web pages dynamically change their content, so design your strategy to preserve them.

- Manual preservation:
  - Using browser capabilities to save them.
- Using third party tools. They add extra valuable information about the time and date the web page was captured. They help us to custody the evidence.
- Video captures. Valuable to document the entire browsing session and describe with fully detailed all the work done.

# BTSF

# Thank you

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