

Referrer Checker

What it is ... it is not

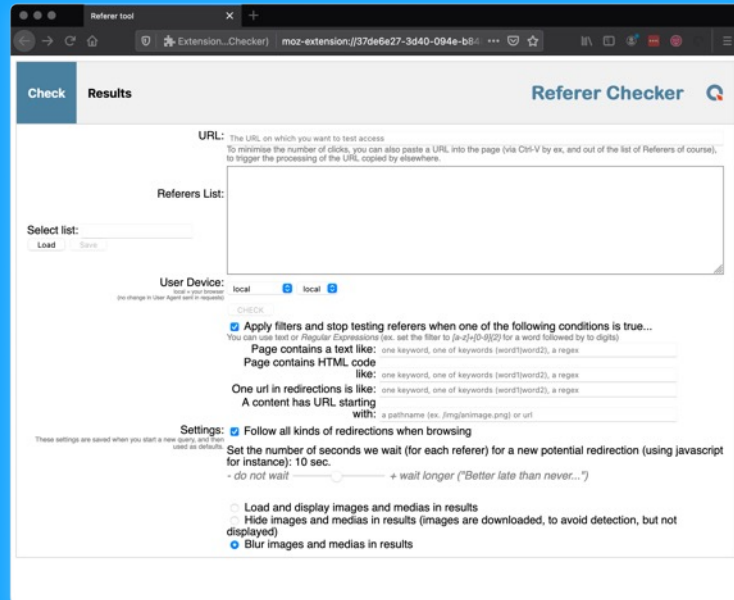
- What is the Referrer Checker tool
- Basic usage
- Manage lists of referrers
- Use filtering to find the best results more easily
- Share referrers lists to collaborate with your colleagues or other Inhope members
- Security and legal issues
- Q&A

What it is

- Help the Analyst to find referrer(s) that would allow access to the content of a protected web site
- Manager lists of referrers you usually use for future usage and collaboration
- Simulate another browser (if you need to test other user-agents rather than the used browser)
- Protection for analysts against shocking contents

What it is not : magic...

- Guess if the web site is filtering access using referrer data
- Guess the referrer(s) the web site is expecting



Referrer Checker Basic Usage (1/3)

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1/ Install the extension

Open in Chrome (or any Chromium) or Firefox:

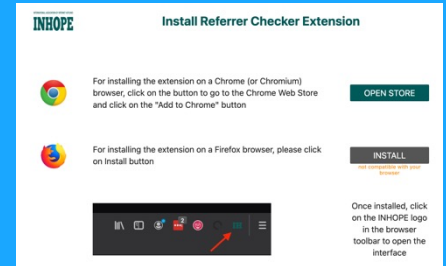
<https://extension.verifrom.com/extension/inhope/referrers/install/>

Chrome: Open the Chrome Web Store and install from the store

Firefox: Click on Install button

2/ Launch Referrer Checker

Click on the INHOPE Icon in the browser's toolbar (or in the list of extensions for Chrome)



Referrer Checker Basic Usage (2/3)

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Check
Results
Frequent Referrers
Shared Lists
Share your list

URL: The protected URL you are trying to access

To minimise the number of clicks, you can also paste a URL to trigger the processing of the URL copied by elsewhere.

Referrers List:

 Your list of referrers

Select list:

User Device:

local = your browser
(no change in User Agent sent in requests)

Search filters: Apply filters and stop testing referrers when one of the following conditions is true...

You can use text or Regular Expressions (ex. set the filter to `[a-z]{0-9}[2]` for a word followed by to digits)

Page contains a text like:

Page contains HTML code like:

One url in redirections is like:

Threshold for the number of media: min number of images, videos,.... above which we should stop

Last HTTP code: and

A content has a URL like:

Settings: Follow all kinds of redirections when browsing

These settings are saved when you start a new check, and then used as defaults.

Set the number of seconds we wait (for each referer) for a new potential redirection (using javascript for instance): 10 sec.

- do not wait + wait longer ("Better late than never...")

Load and display images and medias in results

Hide images and medias in results (images are downloaded, to avoid detection)

Blur images and medias in results

Follow redirections (usually Yes)

Timeout after which page is considered to be fully loaded

Options for images in results (screenshot and/or contents view)

Referrer Checker Basic Usage (3/3)

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Apply Filters re-apply filters on results (except images in screenshots, in Firefox, which cannot be changed)

Page contains a text like:

Page contains HTML code like:

One url in redirections is like:

Threshold for the number of media: min

Last HTTP code: and in min-max range or = min

Load and display images and medias in results

Hide images and medias in results (images are downloaded, to avoid detection, but not displayed)

Blur images and medias in results

Results Group ID	Referrers	Redirects	Text	HTML	Content	Screenshots
G1	https://www.google.com	1. https://extension.verifrom.com/extension/filtered.html (200-HTTP/2.0 200 OK)	You need to find the referrer... Success, you found me Your User Agent is : Mozilla/5.0 (Mac	<head>-title=FILTERED TEST PAGE<-title><-head>-body>-<h1>You need to find the ref		
G2	https://example.net	1. https://extension.verifrom.com/extension/filtered.html (202-HTTP/2.0 302 Found) 2. https://en.wikipedia.org/wiki/Lake (200-HTTP/2.0 200 OK)	Lake From Wikipedia, the free encyclopedia, Lake is a body of water, usually surrounded by land, which contains water. It is a natural or artificial feature on Earth's surface that serves to feed or drain the lake.[1] Lakes lie on land and are not part of the ocean, and are distinct from lagoons, which are generally coastal parts of the ocean. Lakes are typically defined as bodies of water that are surrounded by land, and are not part of the ocean. Lakes are generally found in mountainous areas, rift zones, and areas with ongoing glaciation. Some lakes are tectonic, having formed as a result of tectonic activity. Others are the result of a river channel that has widened into a basin. Some parts of the world have many lakes for long periods of time, as they will slowly fill in with sediments or spill out of the basin due to natural causes, for hydro-electric power generation or domestic water supply, for aesthetic or scientific purposes, or for recreation. Lakes are also used for water storage. Lakes are also used for water storage. Lakes are also used for water storage.	<head>-meta charset="UTF-8">-title=Lake - Wikipedia</title>-script=document.docume		
	https://yahoo.com	1. https://extension.verifrom.com/extension/filtered.html (202-HTTP/2.0 302 Found) 2. https://en.wikipedia.org/wiki/Lake (200-HTTP/2.0 200 OK)	Lake From Wikipedia, the free encyclopedia, Lake is a body of water, usually surrounded by land, which contains water. It is a natural or artificial feature on Earth's surface that serves to feed or drain the lake.[1] Lakes lie on land and are not part of the ocean, and are distinct from lagoons, which are generally coastal parts of the ocean. Lakes are typically defined as bodies of water that are surrounded by land, and are not part of the ocean. Lakes are generally found in mountainous areas, rift zones, and areas with ongoing glaciation. Some lakes are tectonic, having formed as a result of tectonic activity. Others are the result of a river channel that has widened into a basin. Some parts of the world have many lakes for long periods of time, as they will slowly fill in with sediments or spill out of the basin due to natural causes, for hydro-electric power generation or domestic water supply, for aesthetic or scientific purposes, or for recreation. Lakes are also used for water storage. Lakes are also used for water storage. Lakes are also used for water storage.	<head>-meta charset="UTF-8">-title=Lake - Wikipedia</title>-script=document.docume		
	no referrer	1. https://extension.verifrom.com/extension/filtered.html (202-HTTP/2.0 302 Found) 2. https://en.wikipedia.org/wiki/Lake (200-HTTP/2.0 200 OK)	Lake From Wikipedia, the free encyclopedia, Lake is a body of water, usually surrounded by land, which contains water. It is a natural or artificial feature on Earth's surface that serves to feed or drain the lake.[1] Lakes lie on land and are not part of the ocean, and are distinct from lagoons, which are generally coastal parts of the ocean. Lakes are typically defined as bodies of water that are surrounded by land, and are not part of the ocean. Lakes are generally found in mountainous areas, rift zones, and areas with ongoing glaciation. Some lakes are tectonic, having formed as a result of tectonic activity. Others are the result of a river channel that has widened into a basin. Some parts of the world have many lakes for long periods of time, as they will slowly fill in with sediments or spill out of the basin due to natural causes, for hydro-electric power generation or domestic water supply, for aesthetic or scientific purposes, or for recreation. Lakes are also used for water storage. Lakes are also used for water storage. Lakes are also used for water storage.	<head>-meta charset="UTF-8">-title=Lake - Wikipedia</title>-script=document.docume		

Text found in the web page

The content in HTML code, but you can switch to a rendering

Screenshot

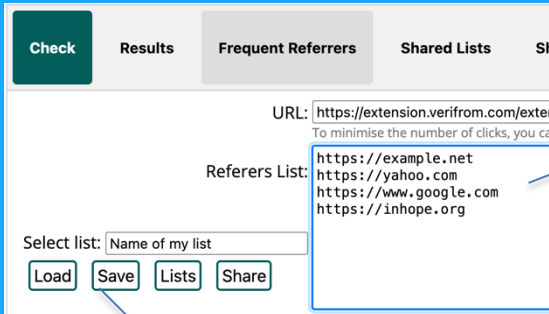
Results are grouped when the result is the same or similar

Referrer Checker

Manage list of referrers (1/2)

Save a new list

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Check Results Frequent Referrers Shared Lists Share

URL: `https://extension.verifrom.com/extension`
To minimise the number of clicks, you can use the following URL

Referrers List:
`https://example.net`
`https://yahoo.com`
`https://www.google.com`
`https://inhope.org`

Select list:

Load Save Lists Share

1 Set or update the Referrers list

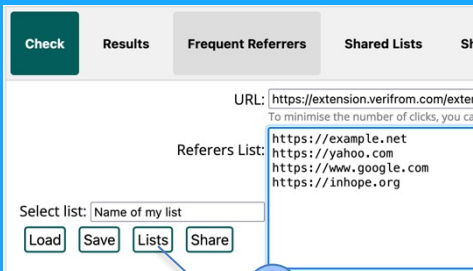
2 Set or update the Referrers list
This button is disabled if the referrers list is unchanged

Referrer Checker

Manage list of referrers (2/2)

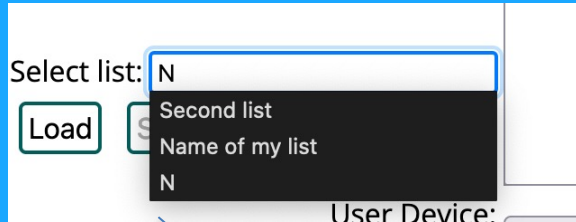
Load a previously saved list

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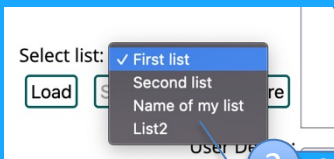


1 Click on "Lists" button to view previously saved lists

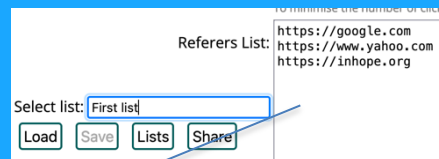
OR



1 Type the name (matching lists names are proposed)



2 Select the list you need



3 List is updated

Referrer Checker

Use filtering to find best results (1/3)

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Filters can be used to find the right referrer more quickly... If you have any idea what you are looking for.

URL:
To minimise the number of clicks, you can also paste a URL to trigger the processing of the URL copied by elsewhere.

Referrers List:

User Device:
local = your browser
 User Agent seen in requests

Search filters: Apply filters and stop testing referers when one of the following conditions is true...
You can use text or Regular Expressions (ex. set the filter to [a-z]{0-9}/2 for a word followed by 2 digits)

Page contains a text like: 1

Page contains HTML code like: 3

One url in redirections is like: 4

Threshold for the number of media: 5 above which we should stop

Last HTTP code: 6 and in min-max range or = min

A content has a URL like: 7

1	Check this if you want to stop the tests as soon as one result meets the conditions
2	Search for keyword in the “rendered text” (not HTML code, but displayed text)
3	Search for keyword in the HTML code
4	If you know a URL from/to which you should transit if the Referrer is correct
5	Find pages with a minimum or maximum number of multimedia content (img, video, ...)
6	Any HTTP code (usually 200) you expect
7	If you know the URL of images contained in the page you are looking for

Results Group ID	Referrers	Redirects	Text
G1	https://www.yahoo.com	https://extension.verifrom.com/extension/filtered.html (302-HTTP/2.0 302 Found)	Lake From Wikipedia, the free encyclopedia jump to navigation jump to search For other lakes in Eurasia, Peyto Lake in Alberta, Western Canada A lake is an area filled with water that serves to feed or drain the lake (Lakes lie on land and are not part of the ocean, as are estuaries from bays, which are essentially coastal parts of the ocean. Lakes are not Lake From Wikipedia, the free encyclopedia jump to navigation jump to search For other lakes in Eurasia, Peyto Lake in Alberta, Western Canada A lake is an area filled with water (lakes) lakes in Eurasia, Peyto Lake in Alberta, Western Canada A lake is an area filled with water
	1. HTTP Code in range	2. https://en.wikipedia.org/wiki/Lake (200-HTTP/2.0 200 OK)	
	1. HTTP Code in range no referer	1. https://extension.verifrom.com/extension/filtered.html (302-HTTP/2.0 302 Found) 2. https://en.wikipedia.org/wiki/Lake (200-HTTP/2.0 200 OK)	
G2	1. https://google.com	1. https://extension.verifrom.com/extension/filtered.html (302-HTTP/2.0 302 Found)	You need to find the referrer... Success, You found it! Your User Agent is: Mozilla/5.0 (Mac
	1. Text match 2. HTTP Code in range		

Results will also be grouped by filters matched and keywords are highlighted in text or code

Referrer Checker

Use filtering to find best results (2/3)

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Check	Results	Frequent Referrers	Shared Lists	Share your list
Apply Filters	re-apply filters on results (except images in screenshots, in Firefox, which cannot be changed)			
Page contains a text like:	<input type="text" value="(success found me)"/>			
Page contains HTML code like:	<input type="text" value="https://www.eco.de"/>			
One url in redirections is like:	<input type="text" value="one keyword, one of keywords (word1 word2), a regex"/>			
Threshold for the number of media:	<input type="text" value="1"/>	<input type="text" value="min number of images, videos, ... above which we should stop"/>		
Last HTTP code:	<input type="text" value="200"/>	<input type="text" value="and"/>	<input type="text" value="max value"/>	<input type="text" value="in min-max range or = min"/>

Once you got the results, you can apply different filters or refine your filters without running new tests

Results Group ID	Referrers	Redirects	Text	HTML Content
G1	https://www.yahoo.com 1. Text match 2. Media number:16 3. HTTP Code in range	1. https://extension.verifrom.com/extension/filtered.html (302-HTTP/2.0 302 Found) 2. https://en.wikipedia.org/wiki/Lake (200-HTTP/2.0 200 OK)	decompose to form peat soils that fill the shallows. Conversely, peat soils in a marsh can r equilibrium between marsh and lake.[65] This is significant since wildfire has been largely many shallow lakes into emergent marshes. Turbid lakes and lakes with many plant-eatin (timescale) typically has extensive plant mats at the water's edge. These become a new h which are very rare. Gradually, the lake closes and young peat may form, forming a fen. In	<head><meta charset="UTF-8"><title>Lake - Wikipedia</title><script>ormTable":["", "], "wgDigitTransformTable":["", "], "wgDefaultDateFormat": "r", "October", "November", "December", "wgRequestId": "40af9ca9-8dd1-e", "false", "wgNamespaceNumber": "0", "wgPageName": "Lake", "wgTitle": "La", "wgIsRedirect": "false", "wgAction": "view", "wgUserName": null, "wgUserGrou
	https://inhope.org 1. Text match 2. Media number:16 3. HTTP Code in range	1. https://extension.verifrom.com/extension/filtered.html (302-HTTP/2.0 302 Found) 2. https://en.wikipedia.org/wiki/Lake (200-HTTP/2.0 200 OK)	decompose to form peat soils that fill the shallows. Conversely, peat soils in a marsh can r equilibrium between marsh and lake.[65] This is significant since wildfire has been largely many shallow lakes into emergent marshes. Turbid lakes and lakes with many plant-eatin (timescale) typically has extensive plant mats at the water's edge. These become a new h which are very rare. Gradually, the lake closes and young peat may form, forming a fen. In	<head><meta charset="UTF-8"><title>Lake - Wikipedia</title><script>ormTable":["", "], "wgDigitTransformTable":["", "], "wgDefaultDateFormat": "r", "October", "November", "December", "wgRequestId": "40af9ca9-8dd1-e", "false", "wgNamespaceNumber": "0", "wgPageName": "Lake", "wgTitle": "La", "wgIsRedirect": "false", "wgAction": "view", "wgUserName": null, "wgUserGrou
	no referrer 1. Text match 2. Media number:16 3. HTTP Code in range	1. https://extension.verifrom.com/extension/filtered.html (302-HTTP/2.0 302 Found) 2. https://en.wikipedia.org/wiki/Lake (200-HTTP/2.0 200 OK)	decompose to form peat soils that fill the shallows. Conversely, peat soils in a marsh can r equilibrium between marsh and lake.[65] This is significant since wildfire has been largely many shallow lakes into emergent marshes. Turbid lakes and lakes with many plant-eatin (timescale) typically has extensive plant mats at the water's edge. These become a new h which are very rare. Gradually, the lake closes and young peat may form, forming a fen. In	<head><meta charset="UTF-8"><title>Lake - Wikipedia</title><script>ormTable":["", "], "wgDigitTransformTable":["", "], "wgDefaultDateFormat": "r", "October", "November", "December", "wgRequestId": "40af9ca9-8dd1-e", "false", "wgNamespaceNumber": "0", "wgPageName": "Lake", "wgTitle": "La", "wgIsRedirect": "false", "wgAction": "view", "wgUserName": null, "wgUserGrou
G2	https://google.com 1. Text match 2. HTML match 3. Media number:2 4. HTTP Code in range	1. https://extension.verifrom.com/extension/filtered.html (200-HTTP/2.0 200 OK)	You need to find the referrer... Success you found me Your User Agent is: Mozilla/5.0 (Ma	<head><title>FILTERED TEST PAGE</title><head><body><h1>You n ou found me</h2><h3>Your User Agent is: </h3><script>documentN geto(100101 Firefox/98.0/</p><img src="https://www.eco.de/wp-co

Filters' matches in the result

Referrer Checker

Use filtering to find best results (2/3)

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Regular expressions can be used for searching text or code... What is a Regex?

Examples of simple regular expression syntax:

<p>One of keyword "found" or "trouvé" or "gefunden"</p>	<p><code>(found trouvé gefunden)</code></p> <p> means "or"</p>
<p>One of previous keywords followed by one or more space and any word (one or more character other than a space or punctuation)</p>	<p><code>(found trouvé gefunden)\s+\w+</code></p> <p>One or more space</p> <p>One or more character</p>
<p>Two words separated by one or more spaces</p>	<p><code>found\s+it</code></p>
<p>Combination : either "found it" or "trouvé"</p>	<p><code>(found\s+it trouvé)</code></p>

Referrer Checker

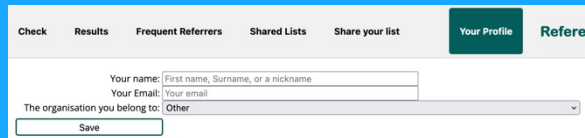
Share referrers lists (1/3)

Share with colleagues

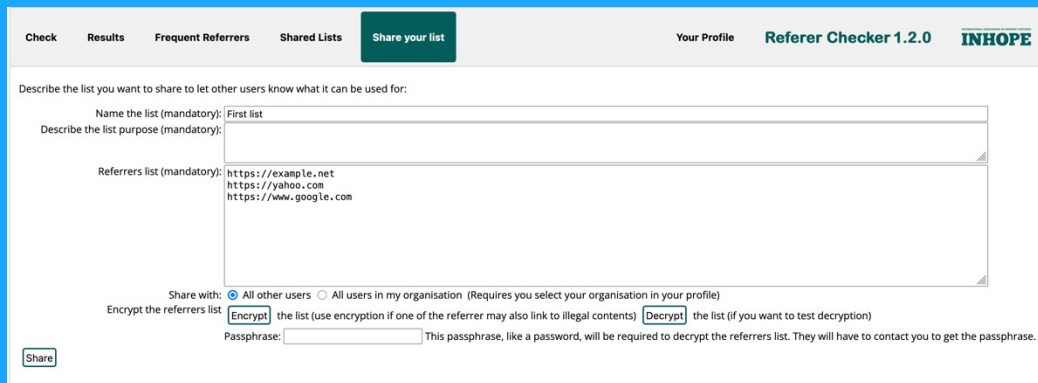
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You can share your Referrers lists with colleagues and or other Inhope member.

You should set your profile before sharing a list, so that you colleagues or other Inhope members can see who did create the shared list and may contact you for more information.



To share a list, click on the “Share your list” tab, or the “Share” button: the list of referrers set in the “Check” tab will be copied for sharing, but you can still add more referrers.



Referrer Checker

Share referrers lists (2/3)

Share with colleagues

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Check Results Frequent Referrers Shared Lists Share your list Your Profile Referrer Checker 1.2.0 INHOPE

Describe the list you want to share to let other users know what it can be used for:

Name the list (mandatory): Provide a sufficiently explicit name

Describe the list purpose (mandatory):

Referrers list (mandatory):

 Describe how, when, or why you use this list

Share with: All other users All users in my organisation (Requires you select your organisation in your profile)

Encrypt the referrers list the list (use encryption if one of the referrer may also link to illegal contents) the list (if you want to test decryption)

Passphrase: This passphrase, like a password, will be required to decrypt the referrers list. They will have to contact you to get the passphrase.

You can encrypt lists which may contain URLs which are sensitive or illegal : set a passphrase (you will remember) and click on Encrypt. The lists are stored on Verifrom servers., but the encryption occurs on your PC. Anyone who wants to decrypt the list will need the passphrase (if you do not set your profile before, then they won't be able to contact you to get the passphrase)

Sharing a list is also a simple way to save it on our server... Just in case.

Referrer Checker

Share referrers lists (3/3)

Find a shared list

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List name:

Search in user name or email:

Search in list purpose:

Shared with: All other users All users in my organisation (Requires you select your organisation in your profile)

Search criteria

Leave all criteria blank to see all shared lists

Leave search fields blank to retrieve all shared lists

Date	List name	Shared by	Description	Referrers	Action
11/02/2022 10:24:50	First list	Other	This is only for tests	https://example.net https://yahoo.com https://www.google.com	<input type="button" value="Copy"/>
30/07/2021 15:51:06	Myrefs	MK mariya@iwf.org.uk Internet Watch Foundation	Refs	U2FsdGVkX18vcffDeoxfrjaWk4xja4X/hebCKS/zN3s=	<input type="button" value="Copy"/> <input type="button" value="Decrypt"/>
30/07/2021 15:49:01	MegaList1	Internet Watch Foundation		U2FsdGVkX1+uKT45kzkaKJmDrjh2LinhLdG4qF5ZvB99WxQzn+AMOVQjgcrHt3PW4ihDC2iOesSFh+W6CSYQaZJR33UwouTVBf4anFET5jEJd8cLqvpqAbkiRqLz66RyYg000a+q98FOZAcEo019CL4VOcvz6PpLhwgfk++OaHsFclgVNVvZMnvX2NmAHY1MjBHP9uRINBAQSL04aRl191MI	<input type="button" value="Copy"/> <input type="button" value="Decrypt"/>

Click on Copy , to copy the list in the "Check" tab

The lock indicates this list is encrypted. You will need to get the passphrase from its author before copying the list.

Click on "Decrypt" button, then type the passphrase to get the list content

Referrer Checker

Security and Legal issues

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The tested web sites are accessed from **your PC: with your IP** (or through your VPN, if you need to simulate a specific geo-location for instance).

This helps also to guarantee the consistency of the technical data (browser, operating system, etc.) received by the server to **avoid specific filtering** (other than a simple Referrer filter).

It runs locally and **does not share or send tested URLs or any contents with other services:**

Verifrom won't collect tested URLs, and our systems are not involved during the URLs processing (we will not be worried by authorities).

We recommend you set a specific user profile in your browser: that will isolate your tests from your own profile and eventually protect your profile's data

on Firefox: open URL about:profiles
on Chrome: use the Profiles manager

