

Silo is a secure browser that enables you to use the internet safely. You can store passwords and bookmarks for easy access to your sites; however, Silo resets most settings each time you begin.

DOWNLOADING SILO SOFTWARE

1. First, check with your company's Silo admin to see if the Admin has downloaded the software. If not, go to Step 2.
2. To download the software, please go to <https://www.authentic8.com/download-silo/>
3. Select the download for your operating system, download, and install
4. Another option is to use Silo's web client <https://a8silo.com/>, all you need is your login and you can access Silo

ACCESSING SOFTWARE FOR FIRST TIME

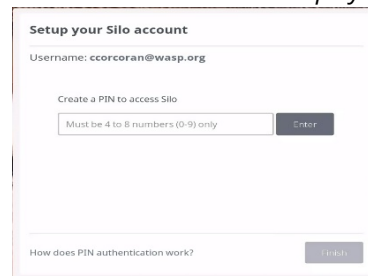
1. Double-click the Silo icon
2. Enter your administrator provided account name. Click the **Remember me** checkbox, unless you want to re-enter your user name before each session.
3. Click **Launch**. *After several seconds the Silo PIN screen displays.*
4. Create a PIN of at least four digits and then click **Enter**. The initial PIN field displays a green check-mark confirmation and then displays a "Re-enter for good measure" field.
5. Re-enter the new PIN and click **Enter**. *The "Re-enter for good measure" field displays a green check mark to confirm.*
6. Click **Finish**.

NOTE: You must enter this PIN each time you open Silo.

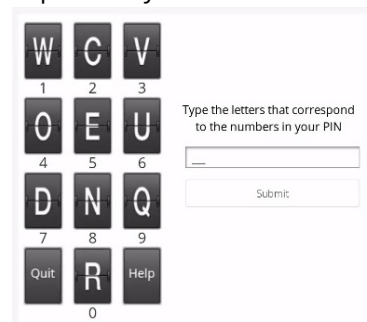


STARTING A NEW SILO SESSION

1. Double-click the Silo icon
2. Type your e-mail address if you did not previously. Check the **Remember me** checkbox.
3. Click **Launch**. *After several seconds the Silo PIN authentication screen displays.*



4. Authenticate by typing the letters that correspond with the numerical PIN you previously created.



5. When you're done, click **Submit**.

NOTE: The letters rearrange themselves after each digit you enter.

STARTING A NEW TOOLBOX SESSION

Once you've logged in, you'll see the Silo Desktop.

From the Desktop, you can access the Silo Dock on the left side of the screen.

The Silo Dock

The Dock enables you to open a new Toolbox browser session from any of the locations and platforms you or your Silo administrator has configured.

Clicking the Japan Egress dock tab for example, opens a new browser that appears to have originated in Japan.

Using the Dock, you can launch one or several egresses (apparent points of internet entry) at a time. Each egress runs in its own Toolbox.

Toolbox Browser Features

Opening an egress opens an instance of the Toolbox. Enter your research target URL or a search topic in the navigation bar at the top of the Toolbox.

Once you've entered or picked an URL, the Toolbox displays a local instance of the site—an accurate representation of the browser experience, but with no possible exchange of data to your local hard drive. The Toolbox does not reveal your location, identity, or IP address, nor does it allow executable code to touch your computer's operating system. Data exchange

occurs in the cloud. Your browsing session is completely virtual, and all data associated with your browsing session is destroyed at session's end.

The User Agent Bar

The user agent bar, located at the bottom of your window, shows some of the visible, loggable characteristics of your Toolbox browser session: the apparent browser and operating system, the language(s), point of egress, and the time zone at the point of egress.



Head-Up Display

Clicking the arrow button at top center of the Toolbox browser shows the following information:

- **Cloud IP Address**

The IP address of the server running your instance of Toolbox.

- **Virtual IP Address (egress point IP)**

The address from which your web session appears to originate.

- **User Agent**

This identifies the browser run under Silo. Toolbox is a Firefox variant using custom plugins and extensions for security and analysis.

- **Local IP Address**

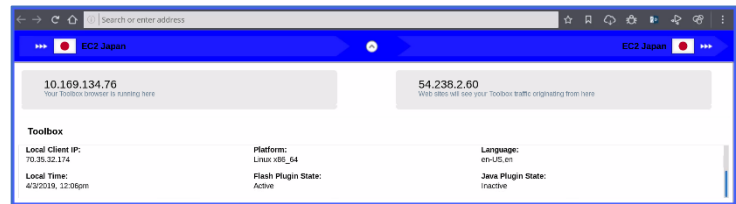
This is the IP address of the computer initiating the Toolbox session: your local computer.

- **Time Zone and Local Time**

This is the time zone and local time at the point of egress.

- **Flash and Java Plugin States**

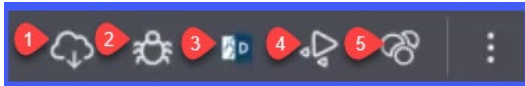
These indicate whether Flash or Java are active or inactive in the current Toolbox instance.



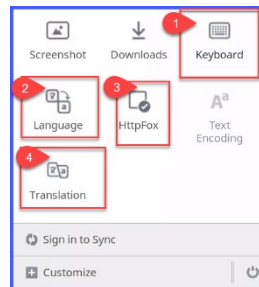
Plugins

Built on the reliable, open-source Firefox browser, Toolbox presents the features you expect, plus several InfoSec research optimizations installed by default. In addition to standard browser features, the menu offers the following additional useful functionalities:

TOOLBAR MENU



ELLIPSIS MENU



- **Translation** (see Ellipsis Menu #4)

The translation feature translates complete pages or select phrases as you browse.

- **FireBug** (see Toolbar menu #2)

FireBug provides a deep analysis of the structure of the site you are researching, including raw data, HTML, CSS, the document object model (DOM), and cookies.

- **HttpFox** – (see Ellipsis Menu #3)

HttpFox enables visual analysis of researched sites, including content, headers, and cookies.

- **Diffee** (see Toolbar menu #3)

Diffee is a third party service that provides the ability to annotate assets on the web. Authentic8 has integrated this service extension with Toolbox. Toolbox users will see a non-active Diffee icon in the Toolbox chrome and will no longer be required to manually install it from an addon page. Users will click on the icon to begin the authorization process.

- **LightBeam** (see Toolbar menu #4)

The LightBeam add-on tracks and visualizes third parties who may be tracking your movements on line. Because your identity vanishes with each session, you won't be tracked, but it's good to know who's trying!

- **Video Download Tool** (see Toolbar menu #5) – this tool's functionality is discussed [here](#).

- **Storage** (see Toolbox menu #1)

The Storage Manager offers researchers a nuanced, secure approach to cloud storage. Depending on the Toolbox's configuration, objects can be stored in a personal cloud drive for the current session, in a shared cloud drive to share with other researchers, or on the local hard drive (not recommended).

- **Keyboard** (see Ellipsis Menu #1)

The keyboard emulates a browser experience on a different device. You can change the keyboard language/encoding and raise a virtual keyboard in your Toolbox window. This keeps key encodings consistent with the browser presented by the user agent.

- **Language** (see Ellipsis Menu #2)

This feature enables changing the language of the user experience at the OS level.


RUNNING A TOOLBOX RESEARCH SESSION

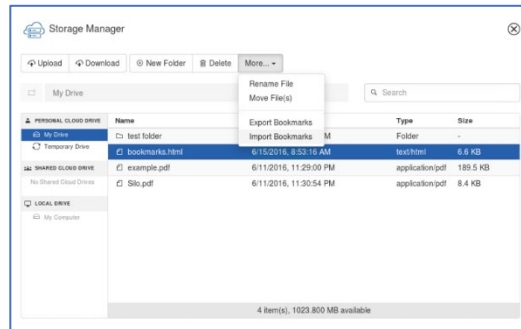
Open-source researchers use Toolbox to browse websites without drawing attention to themselves. In addition to obfuscating the researcher's browsing profile, Toolbox destroys all traceable information when each session is complete. This imposes requirements on researchers to maintain continuity between sessions.

To pick up a session where you left off, you need to load bookmarks saved from a previous session.

Saving Bookmarks


To save bookmarks from a Toolbox session:

1. Pick the toolbar Cloud Storage icon  in the upper right corner and select Storage.
2. In the Storage Manager, click More..., Export Bookmarks, and select a name and location on the virtual drive for your bookmarks file.
3. With bookmarks saved, you can end the session and either share them with other researchers or use them to pick up where you left off.



Reloading Bookmarks

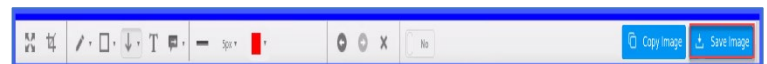
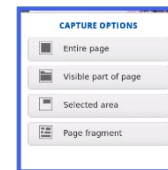
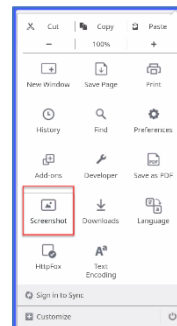
On your next Toolbox session, you can log into any available egress point and reuse your bookmarks.

1. From the menu, click the Cloud Storage icon . Pick the bookmarks file you want to use.
2. Select "Import Bookmarks."

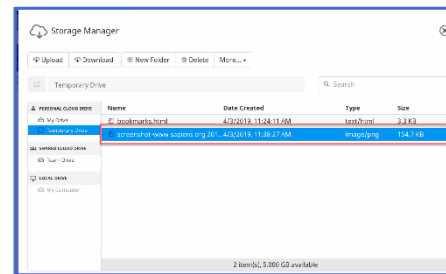
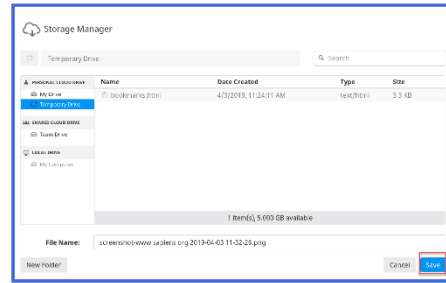
Printing Documents

Please note that direct printing or saving from Toolbox is not allowed for security reasons. The procedure for printing within Toolbox:

1. Click the **Menu** icon located in upper right corner
2. Click the **Screenshot** button
3. The Capture Options window displays, select your **Capture Option**
4. Click the **Save** button to save to the temporary drive



5. The Storage window displays, click the **Save** button
6. Leave Toolbox open, then return to Silo, open Storage menu, then select the Temporary Drive
7. **Double-click** the screenshot file. The file opens in Silo browser
8. Open menu click **Print**. Send the file to a locally-installed PDF generator



Translating Your Session

Using the Translate plug-in, you can get a good sense of a site's contents even if you can't read the local language

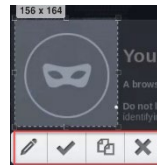
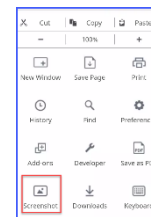
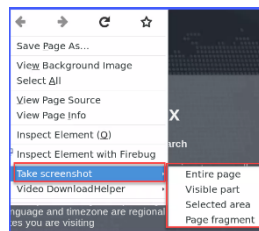
To translate full pages, phrases, or words on the fly:

1. Go to the menu in the top-right corner and pick **Translation**. Review the From: and To: language fields to ensure accuracy.
2. Click **Translate Page** or highlight a passage and click **Translate Specific Text**.



Taking Screenshots

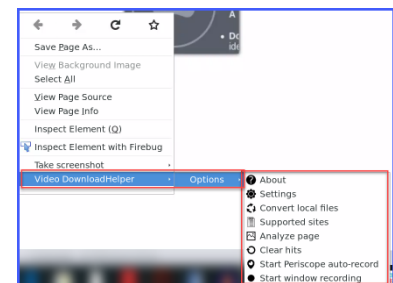
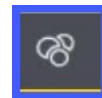
- There are two ways to access the Screenshot tool: Right click or from the Silo Menu, click the Screenshot button.
- Take the screenshot and a pop-up edit menu displays.
- Click either the Pencil to edit, the Check Mark to keep the screenshot, the Copy icon to copy, or the X button to delete.
- If you click the Edit button, the following Edit toolbar displays.



Video Downloader Tool

- There are two ways to access the Video Downloader tool: Click the icon on the toolbar or right click to get the menu.

For further information about this tool read [Video Downloader Tool](#)



Best Practices

- To maintain the lowest profile, match your keypad to your user agent type.
- When you find a page to copy for further analysis, change to a mobile browser user agent. This reduces much of the clutter of full-featured websites.
- You can safely copy and paste source text and images from Toolbox into a local word processor for further analysis.
- At the end of a session, save your bookmarks for the next session.