

eSearch Pro

User Guide

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Beta status <i>The initial 1.0 (beta) has had limited testing and may have limited file format support or limited performance with large files, large indexes, files in certain languages, etc.</i>	32

Welcome!

We hope you enjoy using eSearch! eSearch is a full-text information retrieval application. Our aim is to provide a useful and modern user experience (UX) in YOUR language to streamline your access to digital information (ESI)!

- [Scrollable word list](#)
Quickly discover the vocabulary or spot typos in a document collection, gain quick insight to a case, project, or prior research. Click on a word for entry in the search bar to avoid typos!
- AND OR NOT buttons for quick & foolproof entry of Boolean operators. Typed operators are automatically uppercased!
- Legal professionals [Use List](#) of keyword search queries to share with others – for Early Case Assessment (ECA), case reviews, etc.
- Sort search results by filetype, title, size, chronologically & automatically extracted meta data.
- Expand search with multilingual [stemming](#) and [synonyms](#) with pre-defined and user defined thesaurus files.
- Export timestamped search results & reports in XML, comma or tab separated formats, with selected metadata included.
- Viewer supports plain text with keyword highlighting, built-in [PDF viewer](#), colour syntax highlighting and line numbers in [source code](#), tables for [csv files](#), images with [geolocation on map](#), player for web format [audio & videos files](#).
- User Interface (UI) in YOUR language. [User translatable](#). French and German supplied. Free Language File Editor.
- Dark mode/high contrast theme option for eye comfort. Choose Horizontal or Vertical Results | Viewer layout.
- Portable version can be run from a USB with nothing installed on the host machine. Index and search files on the host machine for IT/investigative use or create a portable library of projects, research, newsletters, emails or more for your own use or for publishing search-only copies with no expiry to others (Needs a Portable – Search Only license & serial number).

Installation & System Requirements

eSearch Pro is a self-contained 64-bit .NET 8.0 application, you can install on any Windows 10 or 11 machine without worrying about the .NET runtime version installed on that machine.

It includes the .NET runtimes and all necessary libraries within the application itself to ensure it runs smoothly with the exact version it was tested with.

Install eSearch Pro

Download the `esearch_installer.zip` file, this consists of a zipped Microsoft Software Installer (.msi) file.

To extract the file right-click and choose Extract All... double-click on the .msi file and follow the instructions to install eSearch Pro.

Microsoft Software Installer (.msi) files are the preferred installer format for enterprise environments due to its standardization and best practices structure. All MSI packages support the same installation command lines to install, uninstall, update, or repair the application.

The default install path is under the Program Files folder. User settings are stored in the `Users\Username\AppData\Roaming` folder.

Enter your serial number on the Help > About window.

IT departments can disable indexing if required by adding an `-s` command-line parameter to the Windows shortcut. (Note: this is not the same as the non-expiry Portable - Search-Only version).

Disk Space required: 2Gb minimum. Additional space is required for the indexes.

Unlike some consumer grade search products which simply index everything on the installed drive, eSearch not only allows you to select the folders and files to include in an index, you can also quickly select by file type or a category of file types using a tree view control - see [Filetype Filter](#)

Install eSearch Portable on a USB 3.x drive

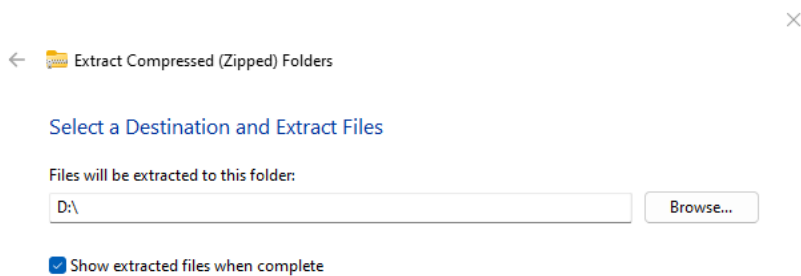
See also [eSearch Portable – Forensics](#) and [eSearch Portable – Publishing](#)

If an older eSearch Portable version is on the USB drive, see UPDATING below:

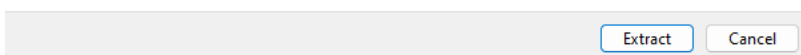
New Install

Download the eSearchPortable.zip file.

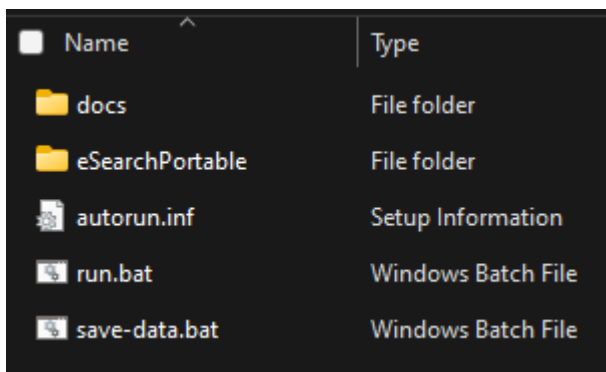
Right-click on the file and choose Extract All...



Click on Browse...
select the USB drive.



Click Extract.



Click on run.bat to start eSearch Portable. Enter your serial number on the Help > About window.

If you want to index and search files on the USB drive, create a “docs” folder (and sub-folders if needed) and keeps all the files under there.



Updating

The Portable version stores user settings in the ProgramData folder within the eSearchPortable directory. Before carrying out the instructions under NEW INSTALL click on save-data.bat this will rename the ProgramData folder on the USB to ProgramDataOLD.

Now carry out the NEW INSTALL steps and select overwrite existing files when prompted.

Click on run.bat to start eSearch Portable as before. It will automatically rename the Program Data folder to ProgramDataNEW and rename ProgramDataOLD to ProgramData if it exists.

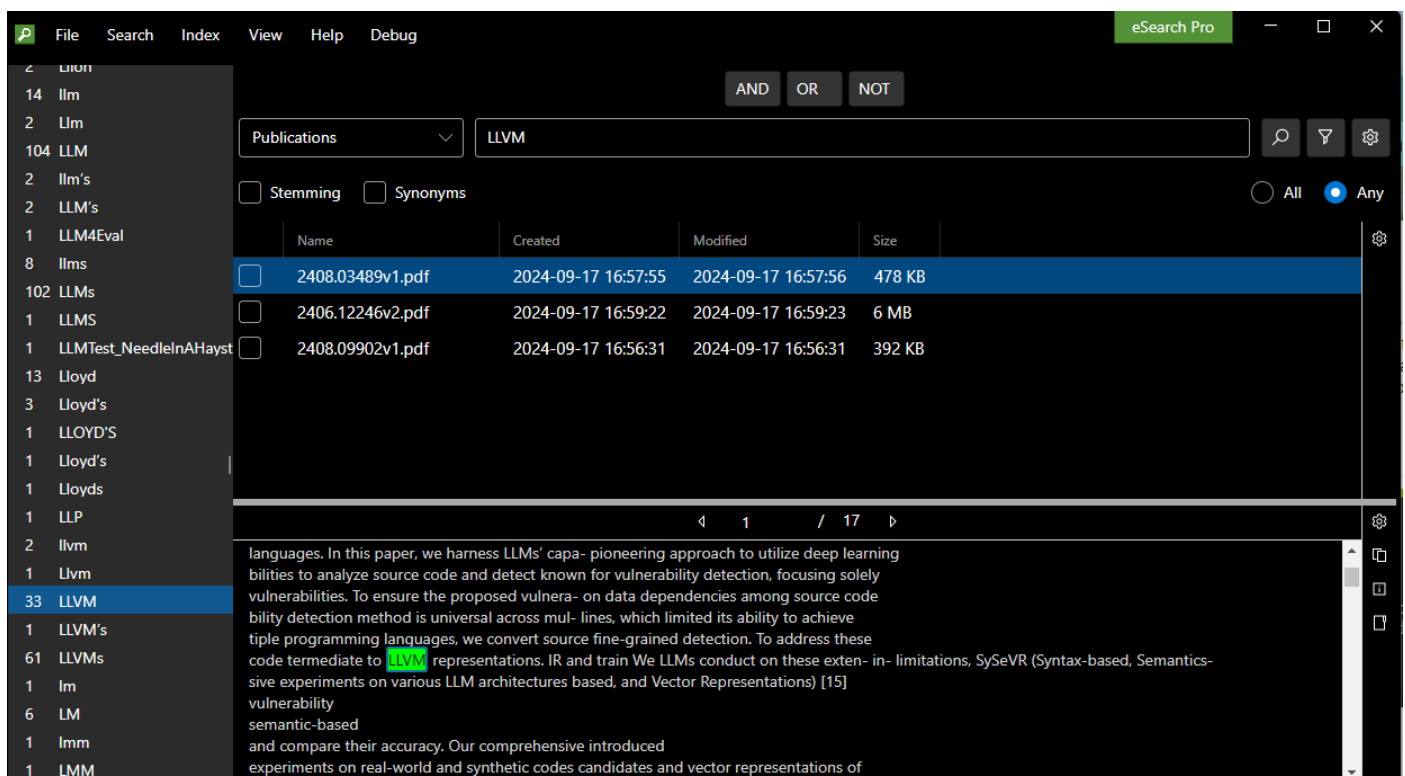
Quick Start

- Go straight to the View menu, choose your language, theme and layout! Need to translate? See: [Translation](#)
- eSearch uses indexes to locate information fast!
 - Go to the Index menu. choose New...
 - Enter a meaningful name for the index
 - Add Files  or Folders 
 - For more information see: [Index](#)

You're now ready to search!

See: [Search Queries](#)

- If you later edit, add or remove documents, go to Index menu > Index Update... to Update, Rebuild, Rename, remove files from the index or Delete the index.



The screenshot shows the eSearch Pro application interface. The top menu bar includes File, Search, Index, View, Help, and Debug. The main window displays a search results table with columns for Name, Created, Modified, and Size. The table contains three entries:

Name	Created	Modified	Size
2408.03489v1.pdf	2024-09-17 16:57:55	2024-09-17 16:57:56	478 KB
2406.12246v2.pdf	2024-09-17 16:59:22	2024-09-17 16:59:23	6 MB
2408.09902v1.pdf	2024-09-17 16:56:31	2024-09-17 16:56:31	392 KB

Below the table, a document preview is visible, showing text related to LLMs and vulnerability detection. The preview text includes: "languages. In this paper, we harness LLMs' capa- pioneering approach to utilize deep learning abilities to analyze source code and detect known for vulnerability detection, focusing solely vulnerabilities. To ensure the proposed vulnera- on data dependencies among source code bility detection method is universal across mul- lines, which limited its ability to achieve tiple programming languages, we convert source fine-grained detection. To address these code termediate to LLM representations. IR and train We LLMs conduct on these exten- in- limitations, SySeVR (Syntax-based, Semantics- sive experiments on various LLM architectures based, and Vector Representations) [15] vulnerability semantic-based and compare their accuracy. Our comprehensive introduced experiments on real-world and synthetic codes candidates and vector representations of

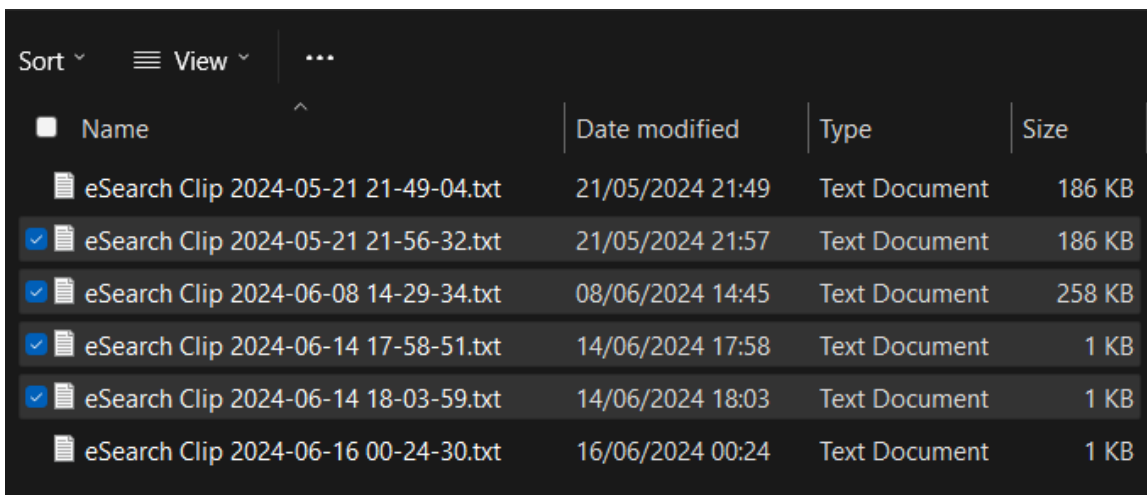
Index

Enter a name for the index e.g. Closed-Cases, Recipes-Vegetarian, Projects-old.

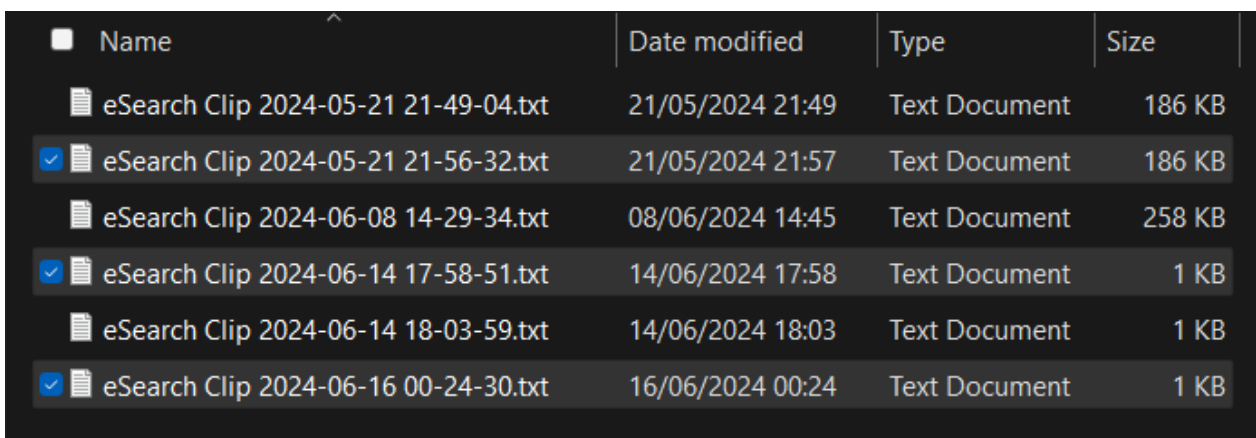
We recommend keeping each index small and specific. Keep archived or material that is not changed often in separate indexes from files that maybe edited frequently to make updating easier.

Choose Folder or File, you can add multiple files and multiple folders in the same index and apply [filetype filters](#) as needed. You should also check that [Settings...](#) are appropriate.

To select multiple files in a range, select the first file, hold down the Shift ↑ key then select the last file.



To select multiple files, hold down the Ctrl key, select the files by clicking on them with the mouse or arrow keys and enter.



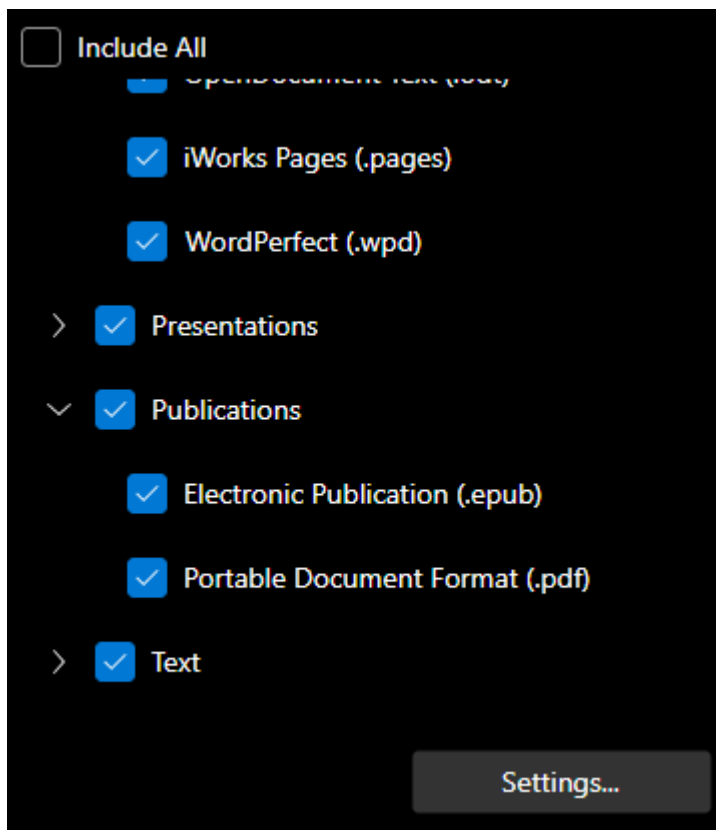
Indexing Options

Filetype filter

(Pro version. Lite version defaults to Include All)

When creating or updating an index you can select which file types to include. This is useful when indexing a Folder that may have nested folders containing filetypes that are not of interest and is quicker than having to select Files to index.

You can select all or parts of a category or individual filetypes from the tree view:



If Include All is selected it will only exclude a list of known executable extensions. It will attempt to parse every unrecognised filetype as well as all the filetypes in the tree view.

If you need to index a Folder with unknown filetypes, especially if the file(s) are large, we recommend a trial index of a single File to check it will be handled.

Click on [Settings...](#) for more options that may be needed.

Search Queries

By default, eSearch Pro will search-as-you-type and list all the documents in the selected index without having to enter a search query. (You can change the default behaviour from [Search settings](#)).

Enter a search query to limit the results list to just the files of interest. Search queries can just be a list of keywords like dog hound pooch (DON'T separate with commas or other characters).

Choose ALL if you want the words joined by AND, this will narrow your search the more words you add; remove words if you get no results. Word order does not matter.

Choosing ANY is a last resort for a broad search.

For more precise searching use Boolean AND OR NOT operators.

	Example Query	Will find files containing:
Boolean	dog AND cat	both words dog and cat.
	dog OR cat	dog or cat or both words.
	dog NOT cat	dog and not cat.
Proximity	"cat mouse"~10	mouse within 10 words of cat.
Phrase	"dog kennel"	the exact phrase 'dog kennel'.
Wildcards (Do NOT use at the start of a word.)	dog*	dogma, doggy, dogfish, etc. (* replaces several characters)
	moderni?e,	modernize or modernise (? replaces a single character)
Fuzzy	word~ 500~	similar words or numbers.
Fields	Some files may contain fields you can search like Fieldname: e.g. Content-Length:500~	File size of approximately 500 bytes.
Regular Expressions	/[mh]otel/	either motel or hotel

Note: Synonyms includes a Numeric Pattern file that has a regular expression for finding IPv4 addresses.

Scrollable Word List

Search-as-you-type

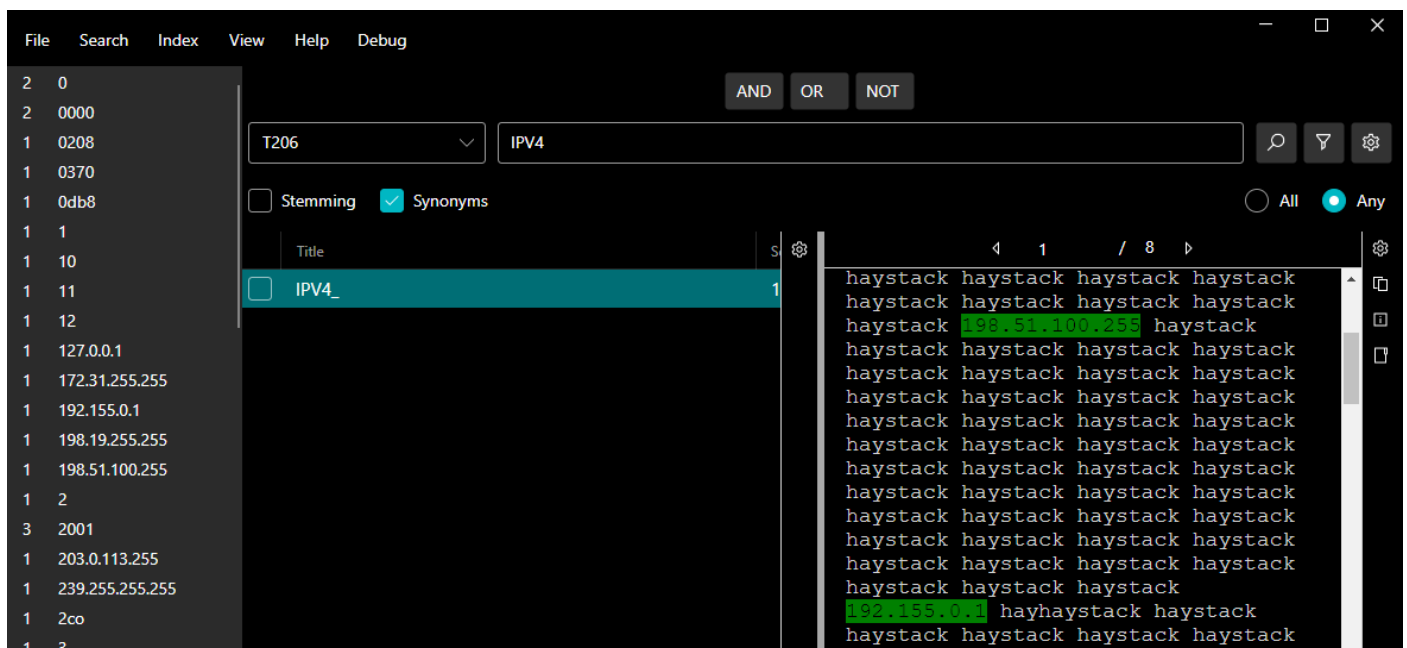
As you type a word in the search query bar, it will ‘search as you type’. At the same time, the word list will scroll to the matching word. An alternative to typing, especially if you are unfamiliar with the content of the index, is to scroll through the word list and double-click on a word of interest. It will then be entered as a search query.

Intelligent indexing

The word list keeps numbers and letters separated by punctuation together. For example, complete IP addresses and sums of money appear in the word list unbroken, as do possessive apostrophes and contractions.

Email addresses are split at the “@” symbol, so domains and email aliases appear separately in the word list. You can search for all users at contoso.com by entering that as the search query (do NOT use a wildcard). Alternatively, you can enter an alias like jon.doe to find all emails with that alias at any domain, such as jon.doe@gmail.com or jon.doe@contoso.com. To search for the exact email, use both the alias and domain in quotes with the “@” sign, e.g., “jon.doe@contoso.com”.

eSearch Pro includes a useful regular expression in the pre-defined synonyms list for searching for IPv4 addresses. To use it, go to Search Settings and select the Sample Numeric Patterns, select Synonyms and just enter “IPV4” as the search query.

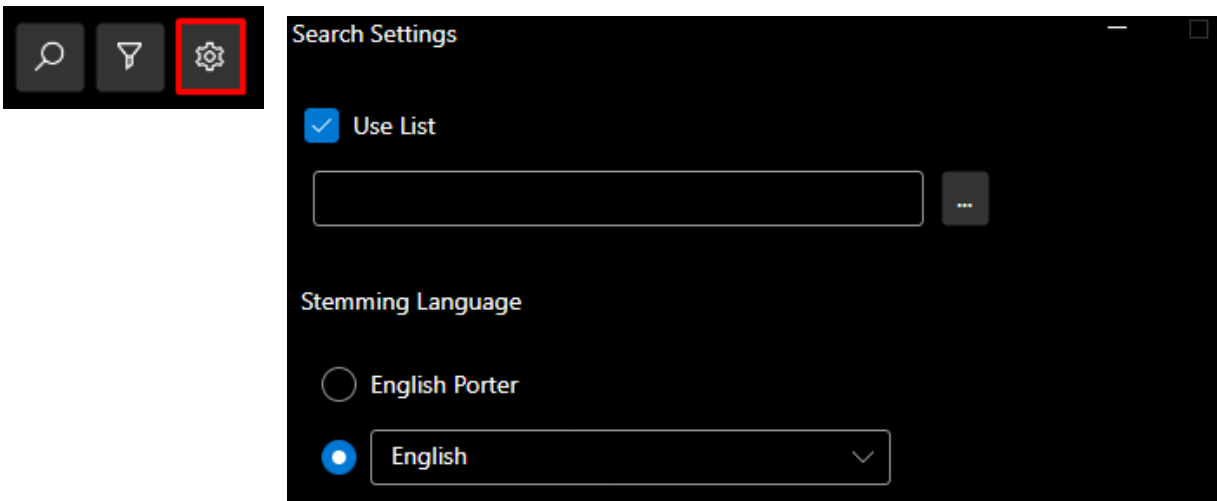



The image above shows IPV4 search query used to find and highlight all IPv4 addresses.


Use List option

Intended for using a 'Keyword List' during eDiscovery (eDisclosure) by case reviewers. To create a list the first step is to sample the dataset.

- 1) Create an index of a sample of the data and use the fully scrollable word list to quickly identify the vocabulary, jargon & abbreviations used.
- 2) Create a file in NotePad or similar text editor and save it in Unicode format. The file should contain a list of keywords (words that you identified as important from the word list) or valid search queries, one per line. Leave no blank lines. Save it in your Documents folder or with your case files, we recommend the filename should have a timestamp and suitable file name e.g. Case479_2024-04-01.
- 3) Open the Search Settings window and check the Use List checkbox.



4) Click on the  navigation button and open the file you created above. Click OK. The search query will appear in the search bar.

5) Select the index and press search: 

You can expand the search using [stemming or synonyms](#) to discover additional responsive documents.

6) Choose suitable columns from Results Settings: 

7) Click on column headers in the results table to sort as needed.

Title	Created		Message:From-Email	Content-Length
-------	---------	---	--------------------	----------------

8) Check the checkbox next to any row you wish to select for export by pressing the space bar.

9) Go to the File Menu and select Export Search Results. This allows you to choose which results and columns to export in a timestamped file in .xml, comma, or tab-separated formats for import into Excel or other software for further review or sharing with others.

Stemming & Synonym options

Stemming Synonyms

Check either of these to expand a search.

Stemming

Stemming will expand a search term such as “apply” using different word endings such as applied, applies, applying.

You need to select the correct language from [Search Settings](#).



There is a choice of English Porter Stemming or stemming in English or 30 other languages. A vocabulary file for evaluating the Porter Stemmer is available from here: <https://tartarus.org/martin/PorterStemmer/>

Note: if using the Case Sensitive index option, Stemming should be deselected. If Stemming in eSearch Pro is selected it will expand a search by making it case-insensitive as well by using different word endings.

Synonyms

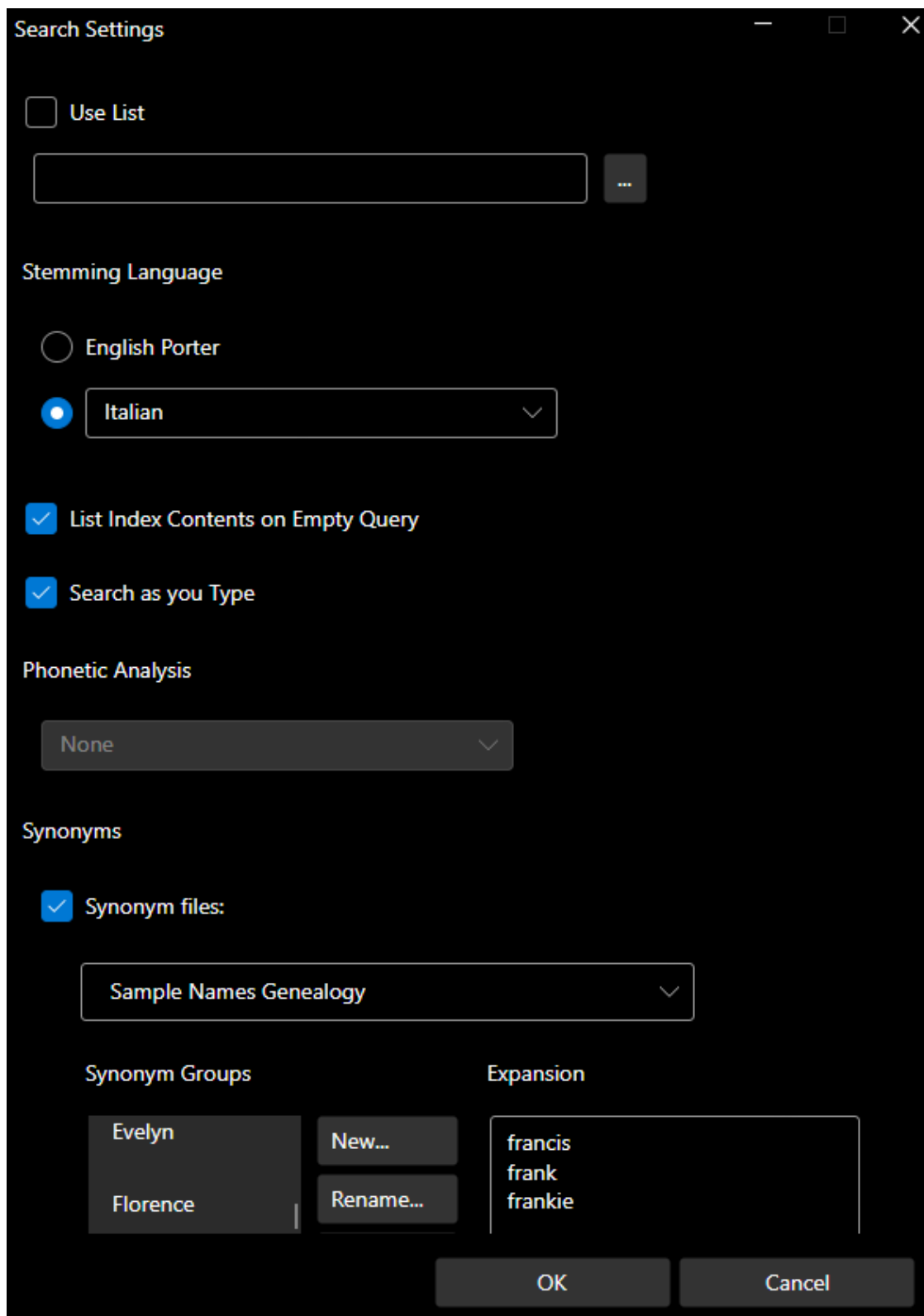
Synonyms will expand a search with user-defined or the supplied pre-defined synonym files in several languages.

You need to select one or more of either type from [Search Settings](#).



Settings

Search Settings



Use List

[see separate section.](#)

Stemming

Stemming Language should match the language of your search queries.

List Index Contents on empty query

Default is on. Turn it off if you have many large files in the index, as it can make searching sluggish.

Search as you type

Default in on. Turn it off if you have many large files in the index, as it can make searching sluggish.

Synonym Files

Pre-defined synonym files are supplied in multiple languages. You can also select 1, 2, or 3 from the Synonym Files list to add your own user-defined synonym groups.

You can add not only synonyms but also related or equivalent words or phrases in other languages. Regular expressions are also supported. For example, the sample numeric patterns file includes a regular expression to find IPv4 addresses.

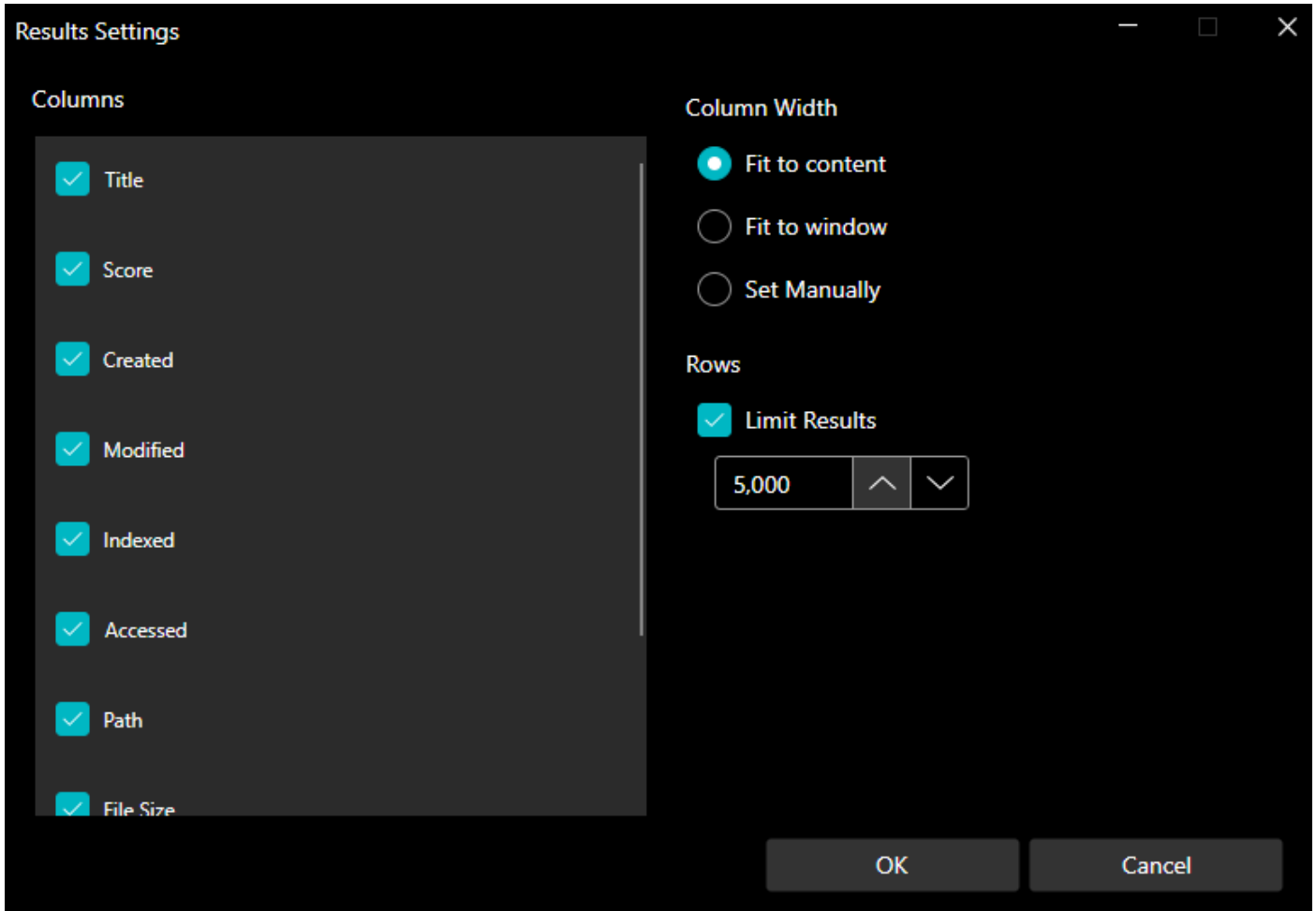
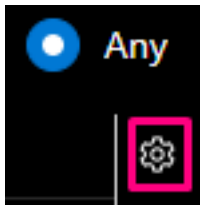
You can select multiple synonym files. For example, if you are searching through a mix of English and Spanish texts, you might want to select the English irregular verbs and nouns, as well as the Spanish irregular nouns and verbs. Additionally, you can add your own subject-specific synonym group.

Danish irregular nouns	Sample months
Danish irregular verbs	Sample names cross lingual
Dutch irregular nouns	Sample names genealogy
Dutch irregular verbs	Sample names political
English irregular nouns	Sample names Russian female
English irregular verbs	Sample names Russian male
French irregular verbs	Sample numbers
Italian irregular verbs	Sample numeric patterns
Norwegian irregular nouns	Sample Prenoms Francais Masculins
Norwegian irregular verbs	Sample trade
Sample colours	Sample Unregelmäßige Deutsche Verben
Sample currencies	Sample Verbe Irrégulier Français
Sample days	Sample Wochentage Deutsch
Sample fashion	Spanish irregular verbs
Sample geographic	Swedish irregular nouns
Sample Jours de la semaine français	Swedish irregular verbs
Sample legal	
Sample medical	

Note: the sample numeric patterns file contains regular expressions for IP addresses and credit-cards. The IPv6 example will not currently work with eSearch Pro indexes because the colon (:) character is treated as a space with no option to change it.

The Amex, Visa and Diners card regular expressions may work; however, they are not foolproof. They might detect patterns that are not credit card numbers or miss valid card numbers, as there is no checksum validation.

Results Settings



Columns

The list also includes metadata automatically collected from the files in your current index. For example, if emails are included, it may show 'To', 'From', and 'Subject'. If images are included, it may show geolocation, DateTime, and camera details of a photo.

You can sort your results by any column by clicking on the column header in the results list. You can also click and drag column headers to reorder the columns.

Column Width

This is remembered if you choose 'Set Manually'.

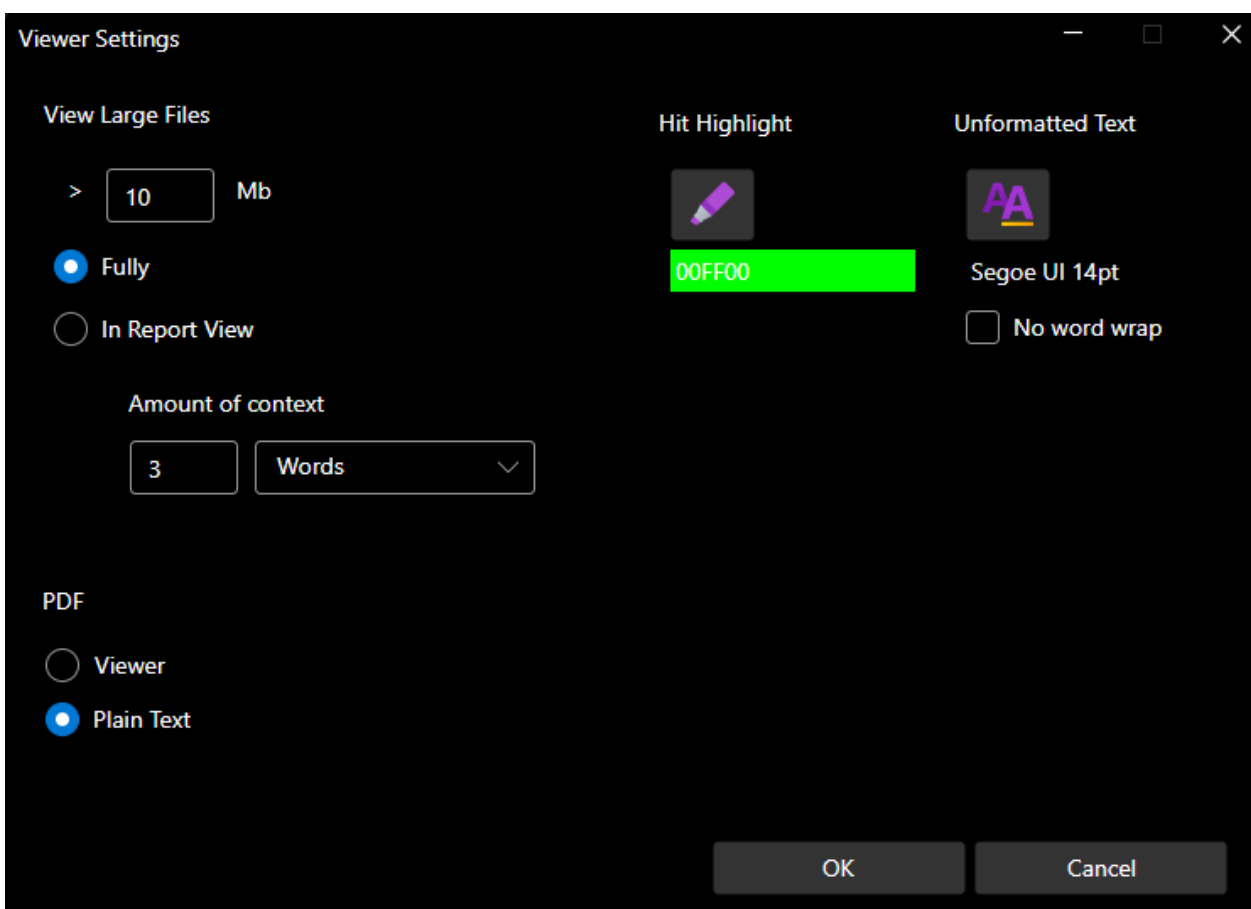
Rows

You can set the number of rows to display in the results table. 5000 is the maximum, but you may prefer to set to a lower number for a quicker response. (Pro version. Lite version is fixed at 10 rows.)

Viewer Settings



The Map Pin button is a Pro version feature, it is displayed when images with geolocation metadata are viewed.



View Large File: Large files may be very slow to open in the viewer, choose Report View to quickly show only keywords in context (KWIC).

You can select the colour of the highlighted words or set the size and font of the text in the Plain Text view.



PDF: See [PDF Options](#).

PDF Options

You can view as text with hits highlighted in your choice of colour or use the built-in PDF viewer as shown below.

The screenshot shows a search interface with a sidebar on the left containing a list of terms. The main area displays search results for 'stemming'. The results table is as follows:

	Titel	Punktz.	Erstellt	Geändert	Dateigröß
<input type="checkbox"/>	voc	179	2024-05-09 18:15:23	2024-04-28 23:30:57	186 KB
<input type="checkbox"/>	AI-Powered Search MEAP V19	51	2024-01-18 13:44:55	2024-01-18 13:44:55	25 MB

Below the table is a PDF viewer showing page 4 of a document. The document content includes the heading '1.1 What is AI-powered search?' and a paragraph of text.

Built in PDF Viewer.

This screenshot is similar to the one above, but the PDF viewer shows a different page with highlighted text. The highlighted text is 'stemming' in a green box. The document content includes a paragraph of text.

Illustration shows sample German UI translation. Viewing a 25Mb PDF as Plain Text with highlighted hits.

Geolocation in images

From [Results Settings](#) select the metadata you want to display. Images in many formats are displayed in the Viewer. Automatically extracted metadata includes full geolocation, camera details, etc. You can sort on any column.

The screenshot shows the eSearch Pro interface. At the top, there are menu options: File, Search, Index, View, Help, Debug. A search bar is present with filters for AND, OR, and NOT. Below the search bar, there are checkboxes for Stemming and Synonyms, and radio buttons for All and Any. A table lists the following images:

Name	Latitude	Longitude	Modified	Size
<input type="checkbox"/> england-london-bridge.jpg	51.50410555555554	-0.074575	2024-08-24 17:19:38	582 KB
<input type="checkbox"/> germany-allgaeu-fliegenpilz.jpg	47.46690555555556	10.20375	2024-08-24 17:32:35	1 MB
<input type="checkbox"/> germany-english-garden.jpg	48.14572777777778	11.58768888888889	2024-08-24 17:32:49	2 MB
<input type="checkbox"/> germany-garching-heide.jpg	48.268274999999996	11.603361111111111	2024-08-24 17:32:11	627 KB
<input type="checkbox"/> irland-dingle.jpg	52.139276657230475	-10.274594797178132	2024-08-24 17:20:03	678 KB
<input type="checkbox"/> italy-garda-lake-sailing-club.jpg	45.877630555555555	10.857161111111111	2024-08-24 17:31:53	794 KB
<input type="checkbox"/> japan-katsura-river.jpg	35.014377	135.669015	2024-08-24 17:31:06	836 KB

Below the table, a large image viewer displays the selected image 'japan-katsura-river.jpg', which shows a view of the Katsura River in Japan.

The screenshot shows the eSearch Pro interface with a detailed metadata table for the selected image 'japan-katsura-river.jpg':

Size	Name	Exif/Latitude	Exif/Longitude	Exif/Altitud	FNumber	Model
836 KB	japan-katsura-river.jpg	35.014377	135.669015	-	2	MI 5
506 KB	turkey-bodrum.jpg	37.02995277777778	27.41326388888889	79.19	1.8	Pixel 2
794 KB	italy-garda-lake-sailing-club.jpg	45.877630555555555	10.857161111111111	71.95	1.8	Pixel 2
1 MB	germany-allgaeu-fliegenpilz.jpg	47.466905555555556	10.20375	1601.74	1.8	Pixel 2
2 MB	germany-english-garden.jpg	48.14572777777778	11.58768888888889	558.85	1.8	Pixel 2
627 KB	germany-garching-heide.jpg	48.268274999999996	11.603361111111111	540.05	1.8	Pixel 2
582 KB	england-london-bridge.jpg	51.50410555555554	-0.074575	77.88	1.8	Pixel 2
678 KB	irland-dingle.jpg	52.139276657230475	-10.274594797178132	-	4	DMC-FX60

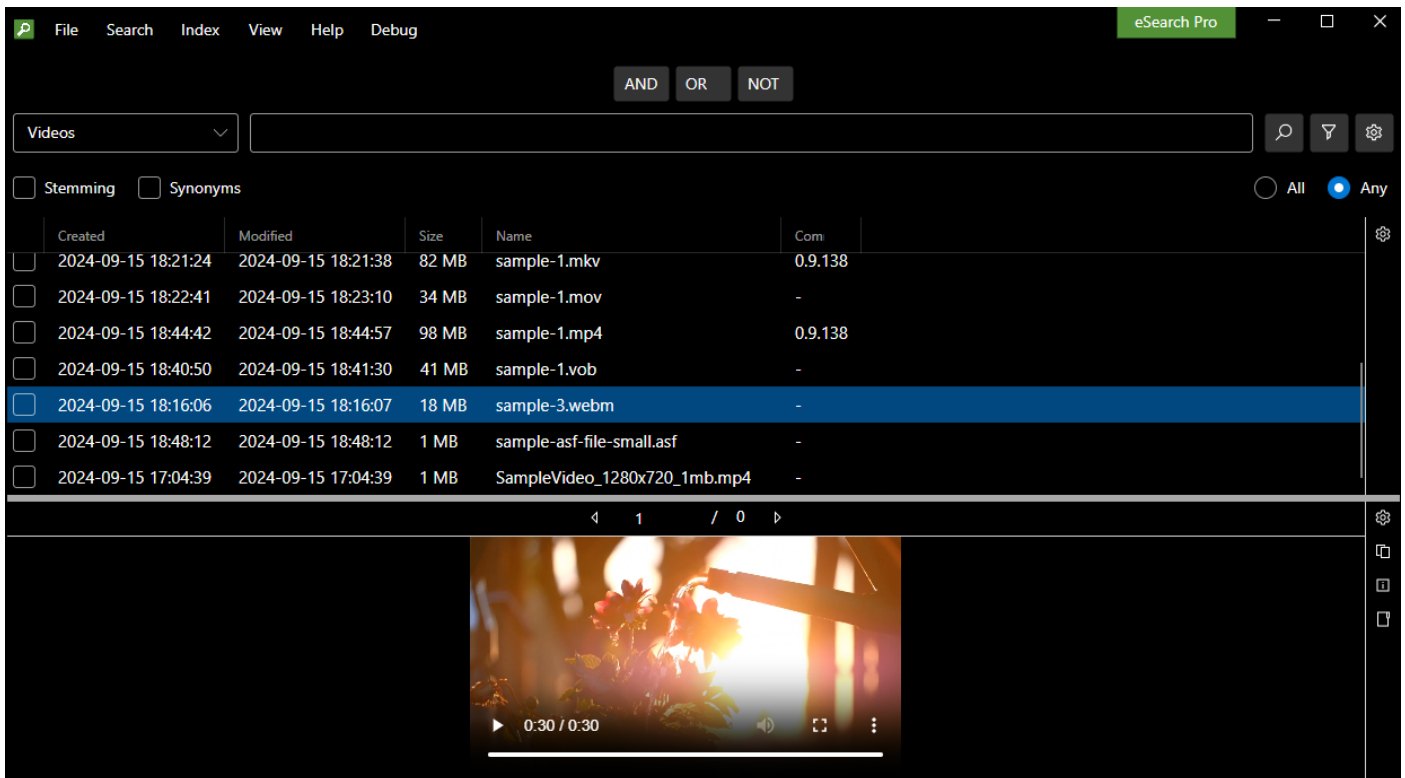
Below the table, an OpenStreetMap is displayed, showing the location of the photo. The map includes a search bar, a map pin icon, and various navigation controls. The map shows the Bodrum area in Turkey, with a blue pin indicating the location of the photo.

Click on the Map Pin button to view the location on a map. (Pro only)

From the File menu, choose Export Search Results. Select metadata, then choose .csv for output of a timestamped file to Excel.

Images above use geolocation test photos from <https://www.geoimgr.com/sample-photos.html>

Audio & Video files



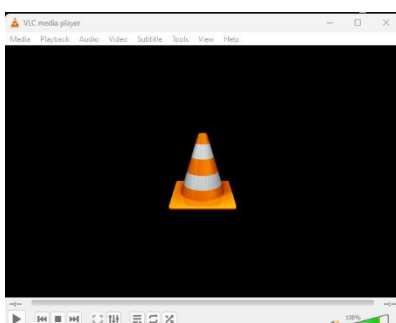
Web format audio and video container files, such as (.wav, .mp3, .mp4, .ogg, .webm), contain different audio and video codecs, not all of which may play in the viewer. For files that don't play in the viewer, we recommend installing VLC Media Player and click on 'View in folder'



Ensure that VLC Media Player is set as the default for opening the filetypes in your indexes. VLC is a free and open-source cross-platform multimedia player, it can be downloaded from <https://www.videolan.org/vlc/>

If your collection contains little meta data, use the default search setting to return all files in the index with an empty search query.

The results are limited to 5000. For larger collections split your files up so that different formats, subject areas, projects, dates, etc. are in different folders. Create a separate index for each folder.



VLC Player can also be used for static image files.

Data & Source Code files

node_id	name	address	country_codes	countries	sourceID	valid_until	note
14036499		Company Registrar Nicosia; Cyprus HE203885; 70; Gladstonos Street; Elena Court; CY-3041 Limassol; Cyprus	CYP	Cyprus	Panama Papers	The Panama Papers data is current through 2015	

.csv files are indexed as records, with table layout preserved and hits highlighted. Indexing is fast, over a million such records can be extracted from a zip and indexed in a minute on a modern PC.

Nom	Créé	Modifié	Tail
<input type="checkbox"/> ASX_FileToTable_blue_16x_svg	2024-09-17 16:15:26	2019-06-13 17:12:58	381 B
<input type="checkbox"/> ASX_FileToTable_grey_16x_svg	2024-09-17 16:15:26	2019-06-13 17:12:58	381 B

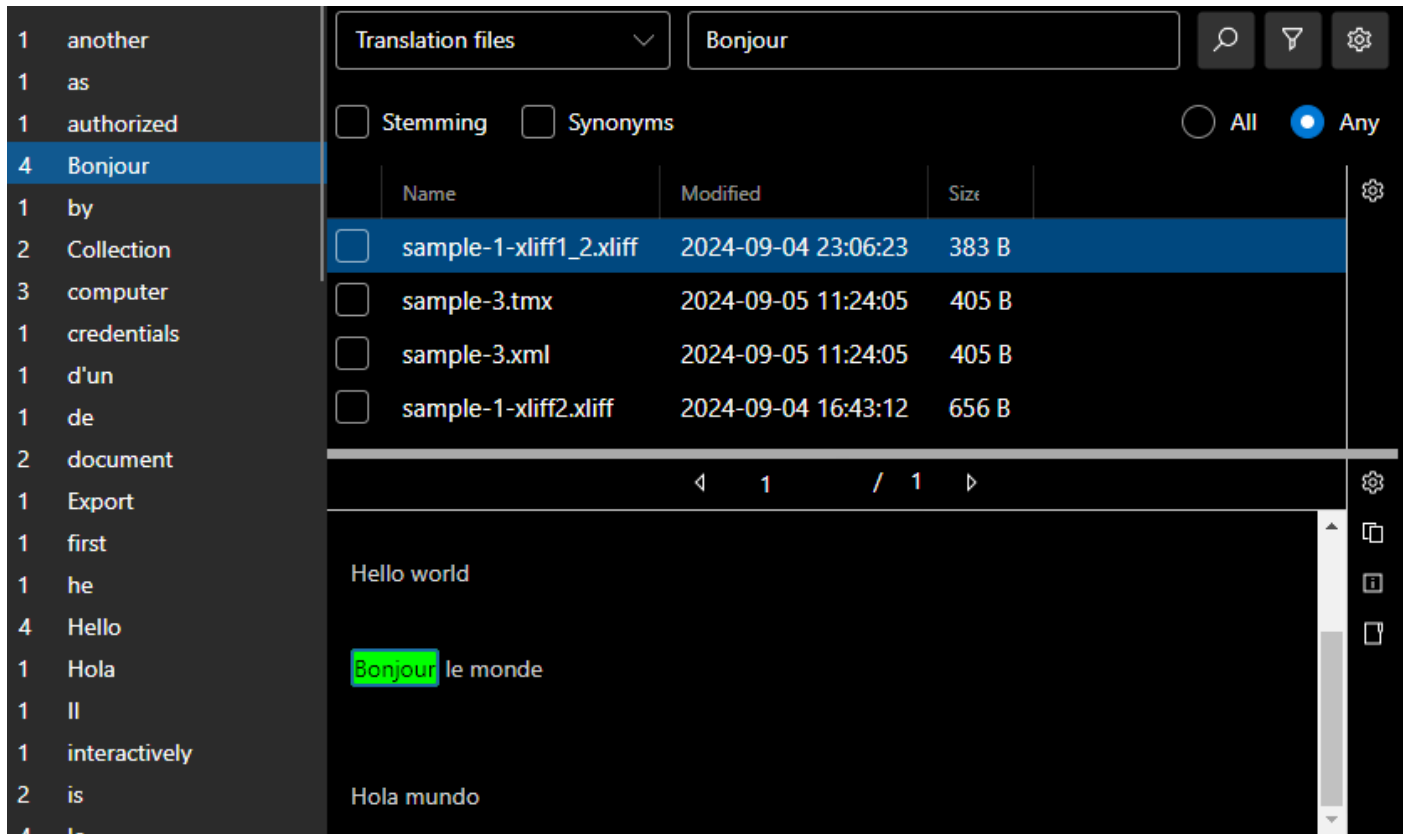
Small images may be better viewed in horizontal mode to increase size.

Name	Created
<input type="checkbox"/> file.tsx	2024-09-26 18:19:23
<input type="checkbox"/> sample-objC.m	2024-10-03 15:14:29
<input type="checkbox"/> hello-ocaml.ml	2024-10-03 14:39:09
<input type="checkbox"/> hello-world.cj	2024-10-03 14:18:12
<input type="checkbox"/> sample-java.java	2024-10-02 18:10:35
<input type="checkbox"/> helloworld.java	2024-10-02 19:54:29
<input type="checkbox"/> hello.scala	2024-09-26 22:43:47
<input type="checkbox"/> sample-erl.erl	2024-10-02 18:17:02
<input type="checkbox"/> helloworld.go	2024-10-02 19:51:27
<input type="checkbox"/> helloworld.hs	2024-10-03 14:22:52

```
1 import React, { Component } from "react";
2
3 class App extends Component {
4   render() {
5     return (
6       <div>
7         <h2>Hello React TS!</h2>
8       </div>
9     );
10  }
11 }
12
13 export default App;
```

Hit highlighting in source code with syntax highlighting & line numbers.

Translation file support

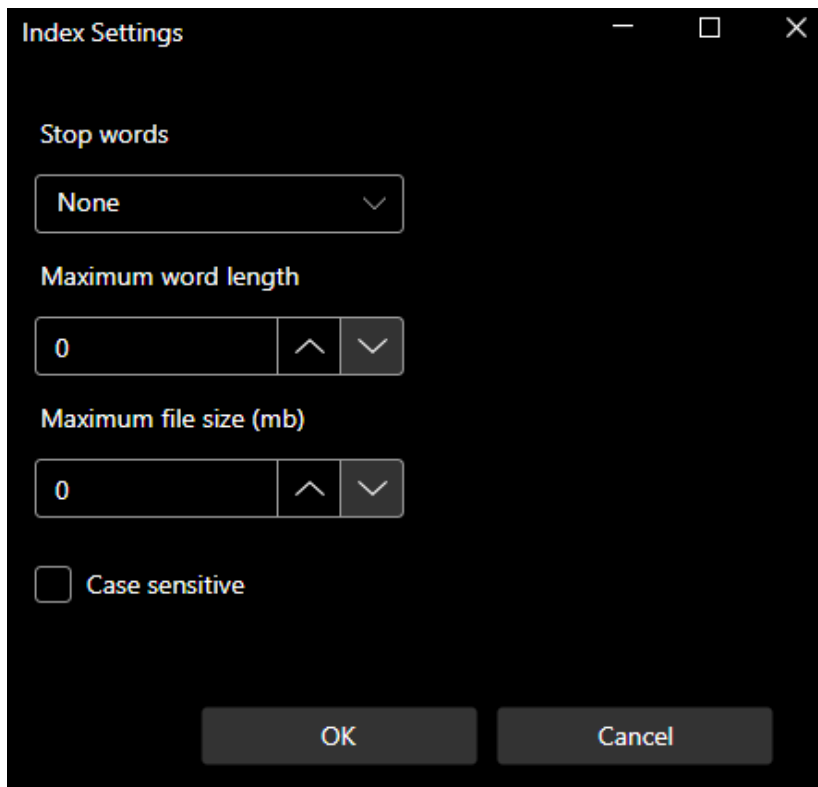


Translation industry file formats XLIFF 1.2, XLIFF 2.0, .tbx, and .tmx are supported for small files only. The image shows an index with the Case Sensitive option enabled, ensuring that acronyms and abbreviations are found. Additionally, contractions like d'un are preserved in the index and appear in the word list.

eSearch Pro 1.0 currently lacks file segmentation functionality, which splits large data files, such as translation industry XML formats, by rows or nodes, allowing them to be indexed as separate files.

The free GSplit 3.0 by G.D.G. Software SARL can be used for this purpose. <https://www.gdgsoft.com/gsplit> The UI is available in many languages.

Index Settings



Index Settings

Stop words

None

Maximum word length

0

Maximum file size (mb)

0

Case sensitive

OK Cancel

Settings will not take effect until you Rebuild an index.

Stop words

Stop words (also known as noise words) are frequently used words that are not included in an index to save indexing time and storage space.

Choose from a list of stop words in 30 languages or you can choose 'None' (at top of the list). If you change the stop words used by an index, you will need to rebuild the index for the change to take effect. You can edit the stop words from the `..AppData\Roaming\eSearch\Stop` folder.

Maximum word length

The default setting is 0, which means no limit. (The actual limit is currently 125). You may prefer to lower this if your documents contain many long strings of letters or numbers.

Maximum File Size

The default setting is 0, which means no limit.

Case Sensitive

If Case sensitive is selected it will index language, LANGUAGE and Language as three separate words; it is useful for more precise searching, for example distinguishing wax polish from Polish (a person from Poland),

chapter titles, brand names (Apple NOT apple) or acronyms and abbreviations (PIN NOT pin). Indexes will be larger with this option.

Note: Stemming should be disabled for case-sensitive searches.

In eSearch, stemming will broaden the search by making it case-insensitive and expanding it to include words with different endings. (e.g. a search on 'title' will find TITLE, Title, title, titles).

The screenshot displays the eSearch interface. On the left, a word list is shown, sorted alphabetically by uppercase letters. The list includes words like 'misdemeanour', 'misdirected', 'misdoubted', 'miser', 'MISER', 'miserable', 'Miserable', 'miserable's', 'Misérables', 'MISÉRABLES', 'miserably', 'Misère', 'miserere', 'Misericorde', 'miseries', 'misery', 'Misery', 'MISERY', 'misfortune', 'Misfortune', 'MISFORTUNE', 'misfortune's', 'misfortunes', and 'MISFORTUNES'. The word 'Misérables' is highlighted in blue. On the right, the search options are displayed. The 'Case Sensitive Test' dropdown is set to 'MISÉRABLES'. The 'Stemming' and 'Synonyms' checkboxes are unchecked. The search results show 'Les Misérables, Five Volumes, Complete by Victor Hugo' with a blue highlight. Below the search results, the language is set to 'English' and the character set encoding is 'ISO-8859-1'. The search results also show '*** START OF THIS PROJECT GUTENBERG EBOOK LES MISÉRABLES ***' with 'MISÉRABLES' highlighted in green. The text 'Produced by Judith Boss and David Widger' is visible at the bottom.

With the 'Case sensitive' option selected the word list shows alphabetically sorted uppercase words and letters as well as accented words. eSearch also correctly retains possessive apostrophes ('s) and contractions like d'un in the word list.

eSearch Portable – Forensics

eSearch Portable is designed to run from a USB 3.x flash drive. It requires read-only access to the machine it is hosted on and does not install files on the host machine. It saves indexes and user settings on the USB Flash drive.

However, if you intend to search for and retrieve files of interest from the host machine for forensic purposes, where evidence may be needed for legal proceedings, you must take precautions to ensure the files are not altered in any way. Additionally, you should ensure that no accidental changes are made to the host machine.

USB flash drives are usually supplied formatted as FAT32, which is generally the preferred format to ensure fast read/write operations. However, if you intend to copy files from the host machine to the USB flash drive, consider:

1. **File System Choice:** For forensic investigations, NTFS is generally preferred over FAT32 because it provides more precise timestamp information and better handles time zone and DST changes. NTFS timestamps include created, modified, accessed, and entry modified times, all with high precision.
2. **Preservation of Timestamps:** When copying files from NTFS to FAT32, there can be a loss of precision and potential discrepancies due to the 2-second granularity of FAT32 timestamps. This can be problematic in forensic contexts where exact times are critical.
3. **Daylight Saving Time (DST):** FAT32 does not account for time zone or DST changes, which can lead to inconsistencies if files are accessed or modified across different systems with varying DST settings. NTFS, on the other hand, handles these changes more robustly.
4. **Forensic Tools:** Use specialized forensic tools that can preserve and analyse timestamps accurately. Tools like EnCase, FTK, or X-Ways Forensics are designed to handle these tasks and can help ensure the integrity of timestamp data during investigations.
5. **File Integrity:** Use write-blockers when accessing storage devices to prevent any changes to the data, including timestamps. This helps maintain the integrity of the evidence.

eSearch Portable – Publishing

If you want to index and search files on the USB drive, create a “docs” folder (and sub-folders if needed) and place all the files there. Then, create one or more indexes of those folders. Do not copy indexes created by eSearch Pro from a machine to the USB drive, they are not suitable.

The standard license covers the installation of one copy on one USB flash drive. You can make a backup copy for your own archival purposes.

If you want to make multiple copies for distribution to others* (to search only the documents on the USB flash drive with no expiry) please contact us so that we can issue the required license and serial number to enable that publishing functionality.

It is possible to distribute a searchable collection of documents & images within an organisation or for clients (e.g., accounts, reports, project data, legal documents, ‘e-Bibles’) freely or for sale to others. We can offer one-time or annual licenses. Contact us with your requirements.

Keyboard Shortcuts

Online Help – F1 key.

UI Navigation

Tab or Shift + Tab keys to navigate between the menu bar, search query controls, toolbars, results and viewer frames. You can then use the up/down keys to further navigate between menu items, word list items, toolbar items, result rows, etc.

Menus

Use conventional ALT + hotkey shortcuts, press the ALT key to see the underlined character to use as the hotkey. The English UI uses the first letter as the key by default, but other languages may differ to avoid duplicate keys. Users may also create their own English language file alternative to the built in English (GB) defaults (e.g. US, AU, CA or even GB if you prefer to add your own words or shortcuts).

Results grid

Up/Down keys for navigating rows.

Space bar to select/unselect a row (check/uncheck the checkbox)

Shift + Up/Down keys for choosing multiple rows + space bar to check/uncheck (select) rows in bulk.

Word List

Up/Down keys + Enter to use the selected word in a search query.

User Translation

View menu

The User Interface (UI) Language is English by default, choose from the supplied languages by selecting From File...

The UI language changes instantly, no need to restart!

Language File Editor

Our aim is to make eSearch available in many languages, we provide sample translation files in several languages.

You can edit the language files to add missing translations or correct errors. You can also change shortcut keys or change user interface wording to suit your own way of working.

We provide a free Language File Editor to make translation a quick and error free experience! Download the free Language File Editor from <https://searchcloudone.com/universal-desktop-search/>

License

The eSearch license allows you to translate the user interface for your own personal or organisations use, you may not sell or license the translated files to others.

If you would like to donate translations for use by others, please send them zipped to support@electronart.co.uk We will publish or distribute them free of charge on an AS-IS basis, with no warranty of accuracy or completeness. Please let us know if you have any questions.

Registration

Serial numbers are not available while product is in beta test phase. After the general release date, beta testers, early evaluators and users of similar products will be offered free or discounted licenses.

Lite version will remain free for private and commercial use.

eSearch Pro

Available in Desktop, Portable or Portable-search-only versions.

The Portable version can be run on a USB 3.x drive complete with documents and indexes as a portable library or to index and search files stored on the host machine. Portable-search-only licenses allow you to publish searchable libraries to others.

See SearchCloudOne.com for more information and pricing.

Evaluation

eSearch Pro may be downloaded from SearchCloudOne.com for a 30-day trial period. After the trial period it will revert to free Lite mode with some limited features.

If you have purchased a Pro license, enter the serial number that we provide to remove any limits and to be entitled to support and updates.

Enter the serial at: Help menu > About > Serial...

eSearch Lite

eSearch Lite is free for personal and commercial use. For support and updates please register your email address with support@electronart.co.uk. The Lite version has limited functionality, for example limits to the number of results or features that are in the Pro version. These limits may change over time and will be published on our website or user guides.

Support

Support is by email to a single point of contact within an organisation. Always supply your serial number or when/where purchased if not obtained directly from SearchCloudOne.com or ElectronArt Design Ltd.

Use the contact form at SearchCloudOne.com or email support@electronart.co.uk

Feedback

We welcome feedback, bug reports, suggestions, translations at any time!

Use the contact form at SearchCloudOne.com or email support@electronart.co.uk

Known Issues

As of 20 Dec 2024: Pro, Portable and Lite versions

Viewer Settings

View Large Files:

- a) All files: if Report view is selected no keywords in context are displayed. Only metadata is displayed.
- b) Large (non-CSV) files such as 160Mb Reuters headlines (TREC data) if “Fully” is selected eSearch will become non-responsive until file is read in (several seconds).
- c) Large (multi-Gigabyte) CSV files are indexed as separate records and are handled without issues).

PDF

- a) PDF Viewer – no hit highlighting

Word List

g, j, y, p, q descenders are clipped.

Words longer than 23 characters aren't fully visible.

Search Settings

Phonetic Analysis
Nonfunctional.

Query Filters

Nonfunctional.

Viewer/File support

File parsers are in continuous development, if you experience issues, download a later build to check if the issue has been fixed. Contact support@electronart.co.uk if you have a particular need or that an issue has not been fixed.

There is a limit of 1024 hits that can be highlighted in a document. Hit count navigation was added in response to customer requests. dtSearch Desktop lists the total number of hits in the results but does not identify a particular hit when using 'next hit'/'previous hit' navigation. eSearch numbers each hit.

In extreme cases, for example, if an index is created with Index Settings of stop words set to none, and a search is performed on a common word such as 'a', there will be many thousands of hits in a long English document. Since it is unlikely that such a search would be useful, we have limited the maximum number of hits that are counted to 1024. Documents are displayed immediately, but the time to count and highlight 1024 hits could currently be 10 secs or more depending on the document and the machine.

Accessibility

Generally keyboard accessible. All controls respond to Windows Narrator Screen Reader (turn on/off with keyboard shortcut Windows + Ctrl + Enter)

[Keyboard shortcuts](#) and screen reader prompts not finalised.

Dark Mode is currently high contrast mode.

Issue 25 draft

eSearch Pro

Beta status

The initial 1.0 (beta) has had limited testing and may have limited file format support or limited performance with large files, large indexes, files in certain languages, etc.

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