

eSearch Pro

User Guide

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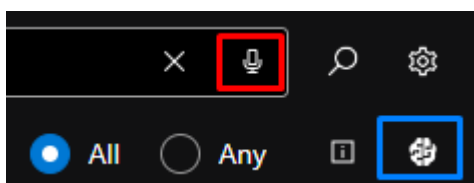
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Beta status <i>The betta version has undergone limited testing and may have restricted file format support or performance issues with certain file types, large files, large indexes, or files in certain languages. All feedback is welcome. *Product name for the eSearch project is subject to change before general release.</i>	39

Welcome!

We hope you enjoy using eSearch Pro!

eSearch Pro combines advanced information retrieval with AI-powered web search to enhance productivity for professionals who need to quickly find information from a wide range of data sources in any language.

- [Scrollable word list](#): Quickly discover vocabulary or spot typos in a document collection. Gain rapid insights into a case, project, or prior research. In AI Mode the word list displays question stems for AI-powered web search. Includes latest reasoning models.
- Efficient search: Double-click on a word in the word list or select it and press Enter to insert it in the search bar to minimize typos. Forward slash (/) shortcut puts the cursor in the search bar.



Voice input option.

AI Mode

- AND, OR, NOT buttons: For quick and foolproof entry of Boolean operators. Operators which you type are automatically uppercased!
- For 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, or 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) is [User translatable](#). French and German supplied. Free Language File Editor.
- Dark mode/high contrast theme options for eye comfort. Choose Horizontal or Vertical Viewer layout.
- Portable version can be run from a USB drive 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 or more for your own use, or [publish search-only](#) copies with no expiry to others.

Installation & System Requirements

eSearch Pro is a self-contained x64-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.

eSearch Pro 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.

How to Install eSearch Pro

- Download the `esearch_installer.zip` file, this consists of a zipped Microsoft Software Installer (.msi) file.
- Extract the file, right-click and choose `Extract All...`
- Double-click on the .msi file and follow the instructions to install eSearch Pro. The default install path is under the Program Files folder. User settings are stored in the `Users\Username\AppData\Roaming` folder.

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

- 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 search products that simply index everything on the installed drive, eSearch allows you to select specific 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](#).

How to upgrade to a later version

1. In Windows go to `Add or Remove programs`, navigate to eSearch Pro and choose to uninstall. It will not remove your indexes in the Desktop version. If you are upgrading the Portable version, see [Updating](#).
2. Install the latest version as above.
3. From the Index menu, select `Manage Indexes...` Press `Rebuild` for each index to ensure the latest file parsers are being used.

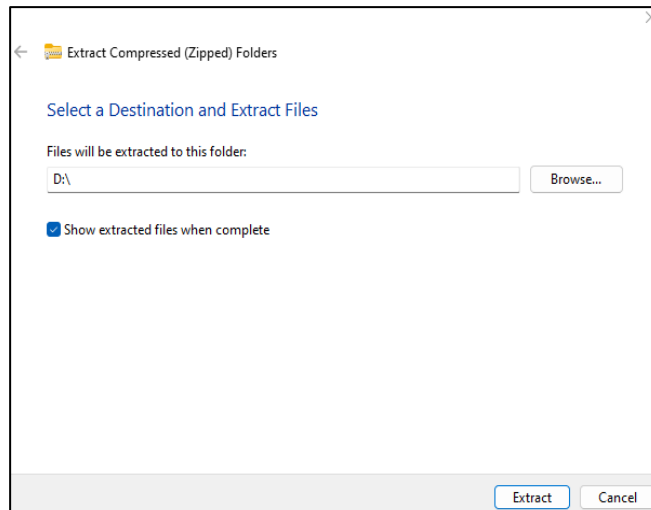
Install eSearch Portable on a USB 3.x drive

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

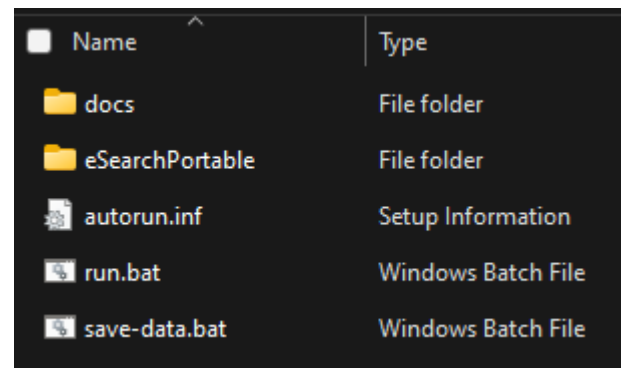
If an older eSearch Portable version is on the USB drive, see UPDATING below:

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 in the Help > About window.
- 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.



Name	Type
docs	File folder
eSearchPortable	File folder
autorun.inf	Setup Information
run.bat	Windows Batch File
save-data.bat	Windows Batch File

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.
- Next, carry out the NEW INSTALL steps, 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](#)

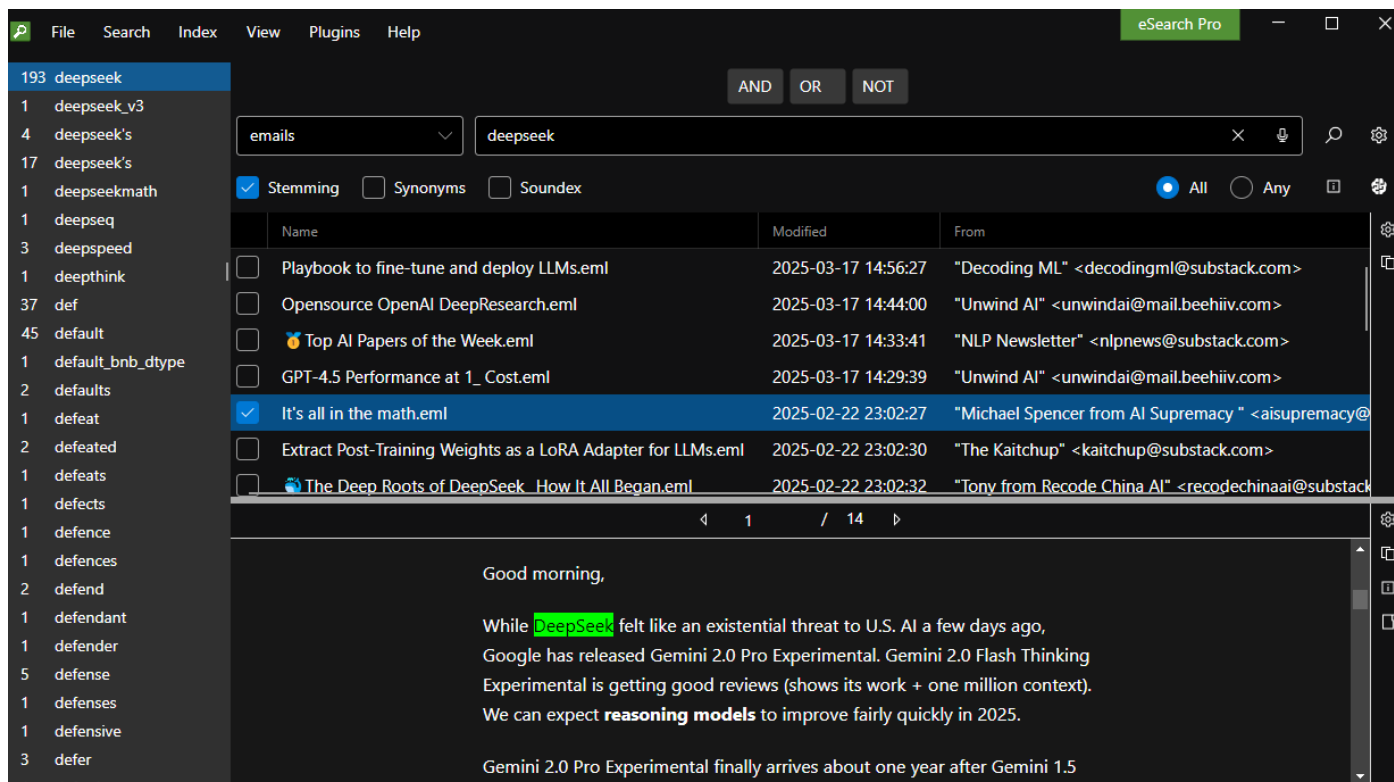
Support Articles:

<https://searchcloudone.com/esearch-support-articles/>

You're now ready to search!

See: [Search Queries](#)

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



The screenshot shows the eSearch Pro application window. The top menu bar includes File, Search, Index, View, Plugins, and Help. The main interface is divided into several sections:

- Left Panel:** A list of 193 indexes, with 'deepseek' selected at the top. Below it, a list of documents is shown with checkboxes and counts.
- Search Bar:** Contains the search term 'deepseek' and a dropdown menu set to 'emails'. There are also buttons for 'AND', 'OR', and 'NOT'.
- Filters:** Includes checkboxes for 'Stemming' (checked), 'Synonyms', and 'Soundex'. There are also radio buttons for 'All' (selected) and 'Any'.
- Table:** A table with columns 'Name', 'Modified', and 'From'. The selected document is 'It's all in the math.eml', modified on 2025-02-22 23:02:27, from 'Michael Spencer from AI Supremacy'.
- Preview:** A preview of the selected document showing text about DeepSeek and Gemini 2.0 Pro Experimental.

Index

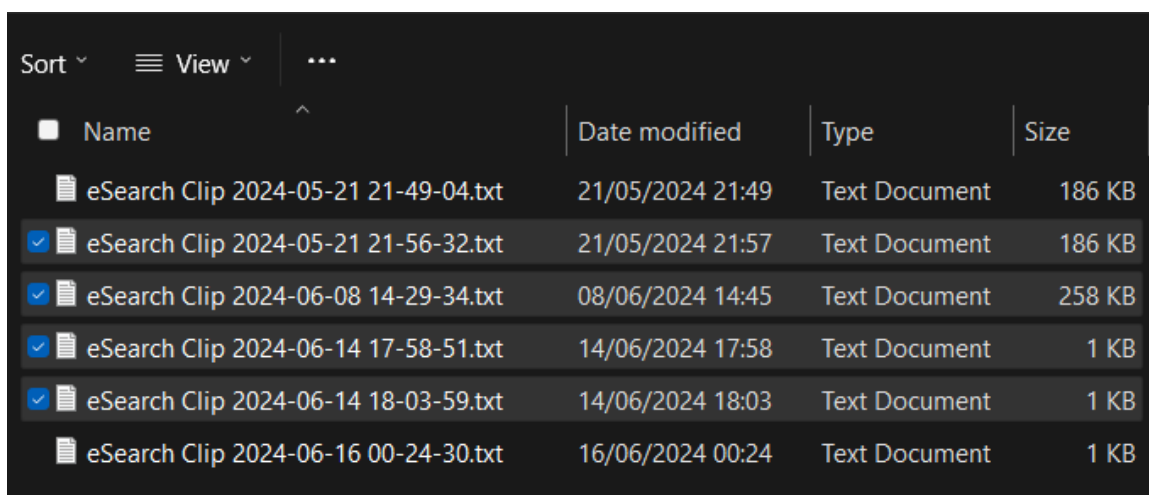
Enter a name for the index, e.g. Closed-Cases, Recipes-Vegetarian, Projects-old.

We recommend maintaining indexes small and specific. Separate archived or infrequently changed material from files that are frequently edited. This approach simplifies updates and enhances overall manageability.

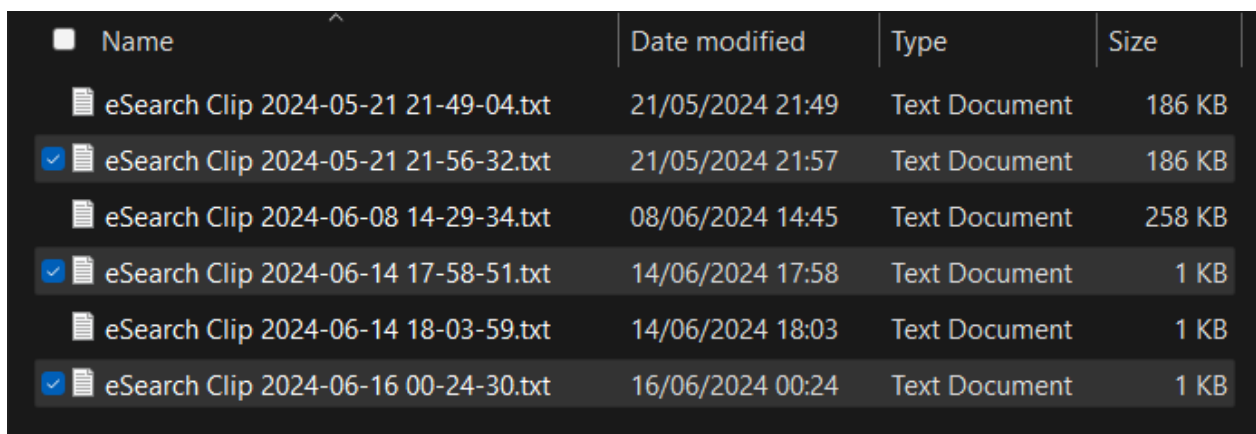
Choose Folder or File, you can add multiple files and multiple folders in the same index and apply [filetype filters](#) as needed. You should also check that [Settings...](#) are appropriate.

File Explorer

To select multiple files in a range, select the first file, hold down the Shift key, and then press the Down arrow key to select the rows. To select another range, hold down the Ctrl key and use the Down arrow key to skip unwanted rows. Then, press Shift + Ctrl + Down arrow key to select additional rows.



To select multiple files, hold down the Ctrl key and use the Down arrow key to skip unwanted rows. Select rows by clicking the checkbox with the mouse or by pressing the spacebar.



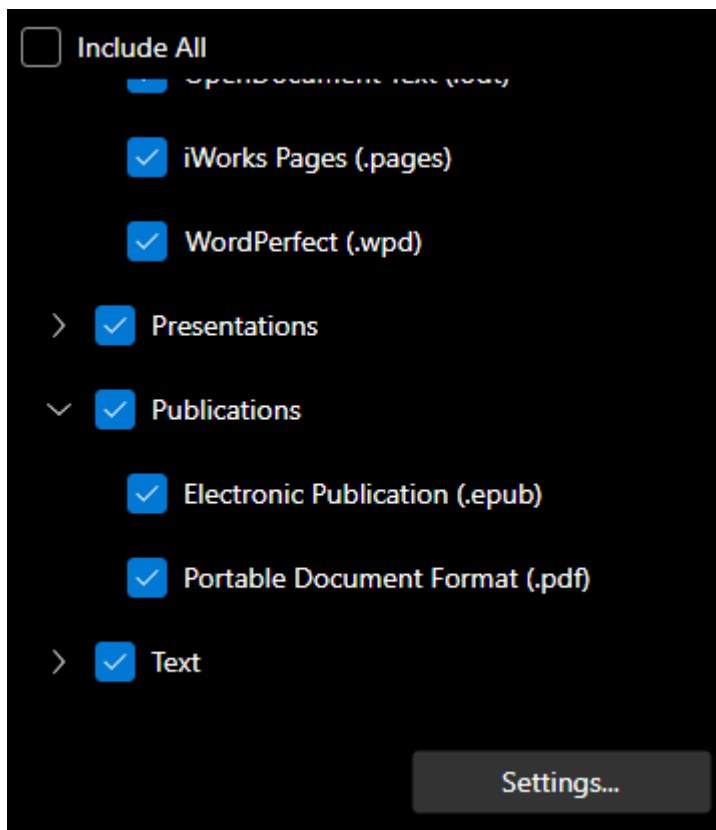
Indexing Options

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

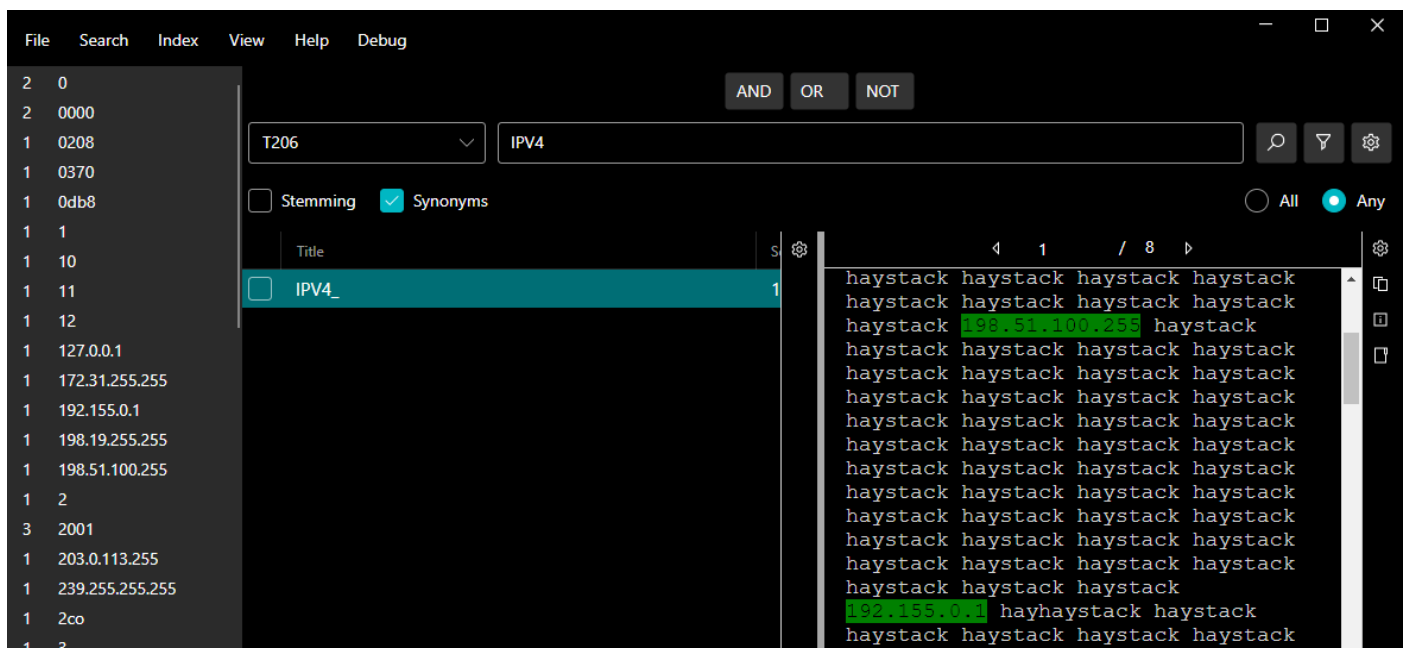
As you type a word in the search query bar, it will ‘search as you type’. At the same time, the word list will scroll to the matching word. An alternative to typing, especially if you are unfamiliar with the content of the index, is to scroll through the word list and double-click on a word of interest.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

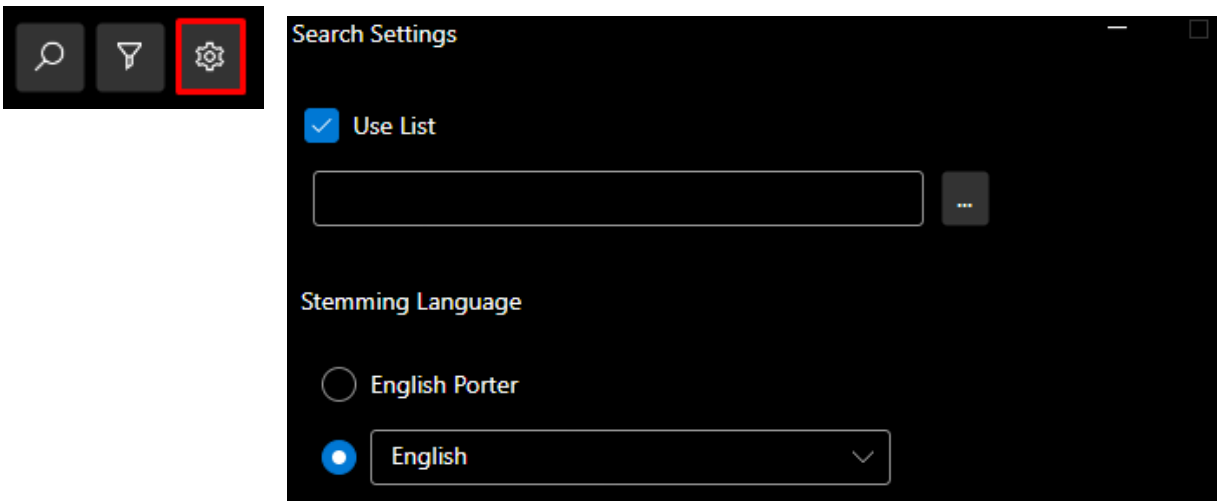



The image above shows IPV4 search query used to find and highlight all IPv4 addresses.


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](#).



Soundex

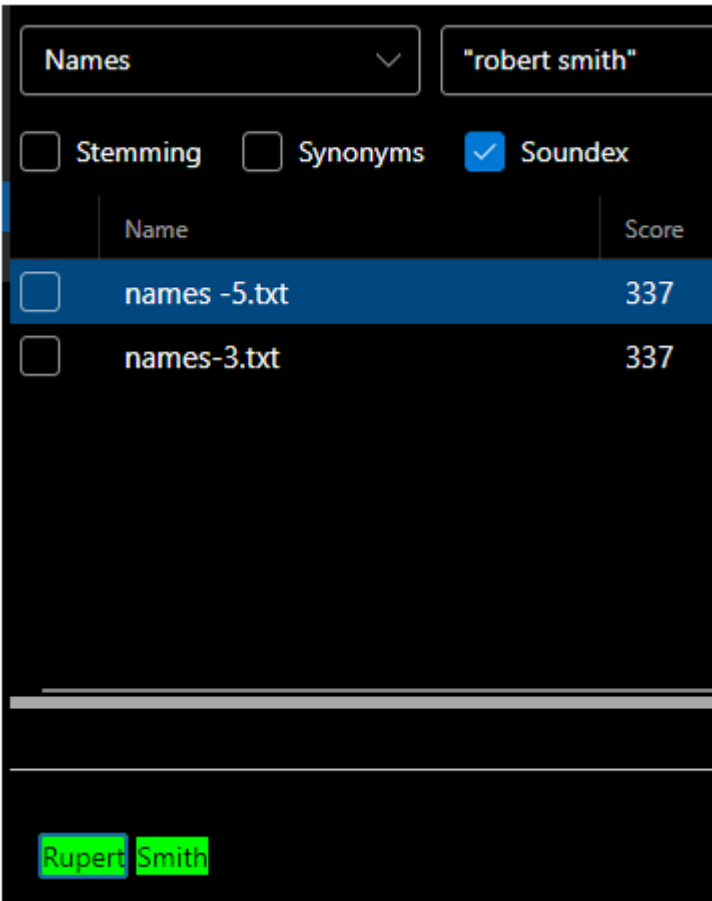
If you are unsure of the spelling of a person's name, use the Soundex option to expand the search to similar sounding names.

Soundex matches names that sound similar but have different spellings. It was used by the National Archives to index the U.S. censuses.

<https://www.archives.gov/research/census/soundex>

A limitation of the Soundex algorithm is that words must start with the same letter to be considered a match. For instance, a search for "Smith" will also find "Smithe" and "Smythe", and a search for "Philipp" will find "Phillipe" or "Philip", but it will not find "Filip" because it begins with a different letter.

If you have also selected Stemming, it will find "Phillips", "Philips", etc. which may or not be desirable depending on the purpose of your search.



The screenshot shows a search interface with a search box containing "robert smith". Below the search box are three checkboxes: "Stemming" (unchecked), "Synonyms" (unchecked), and "Soundex" (checked). Below these are two search results:

Name	Score
<input type="checkbox"/> names-5.txt	337
<input type="checkbox"/> names-3.txt	337

At the bottom of the interface, a snippet of the results is shown: "Rupert Smith", where "Rupert" and "Smith" are highlighted in red.

Example shows a search for "Robert Smith", with Soundex option selected will also find "Rupert Smith".

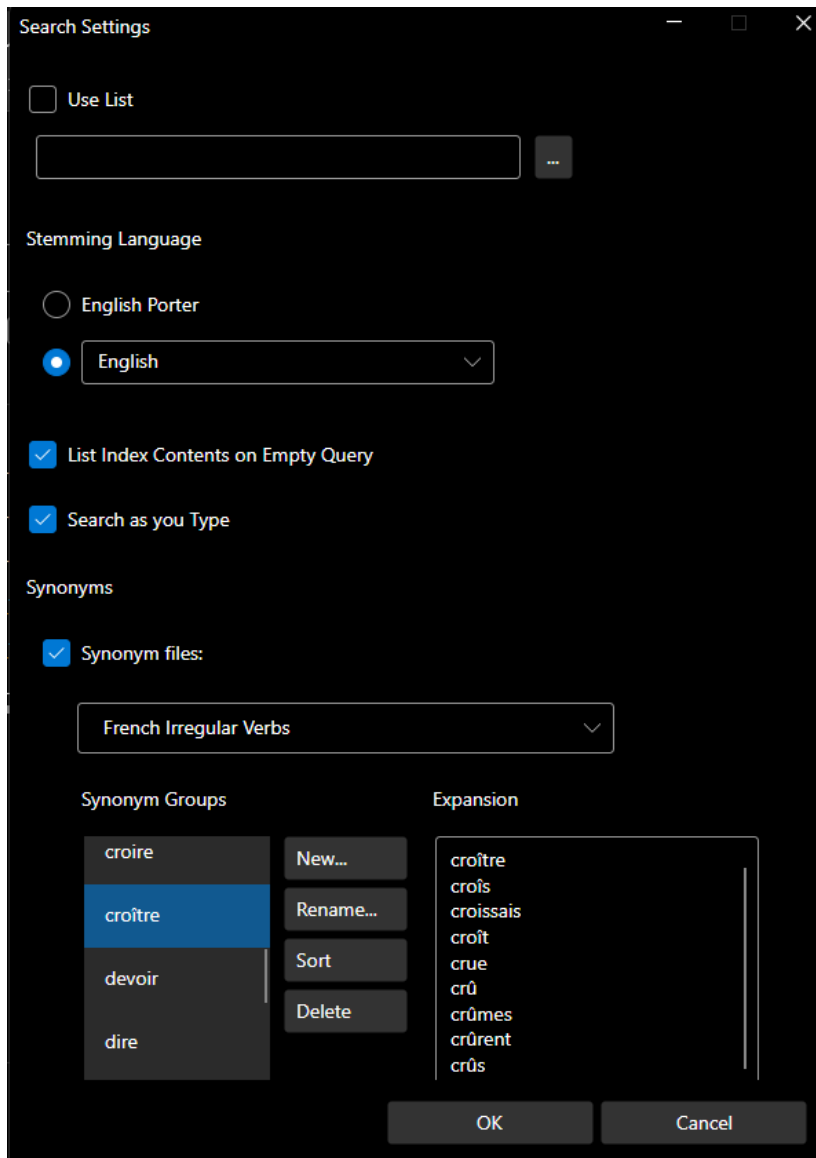
Names-3: Robert Smith

Soundex is based on English pronunciation, which can lead to inaccuracies with some European names. For instance, the French name 'Roux' has a silent 'x'. Although 'Roux' and 'Rue' are pronounced the same, they receive different Soundex codes: R000 and R200, respectively.

<https://en.wikipedia.org/wiki/Soundex>

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

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

Search as you type

The default setting is 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 available in multiple languages. You can also select 1, 2, or 3 from the Synonym Files list to add your own user-defined synonym groups.

In addition to synonyms, you can include related or equivalent words or phrases in other languages. Regular expressions are supported as well. For example, the sample numeric patterns file includes a regular expression to find IPv4 addresses.

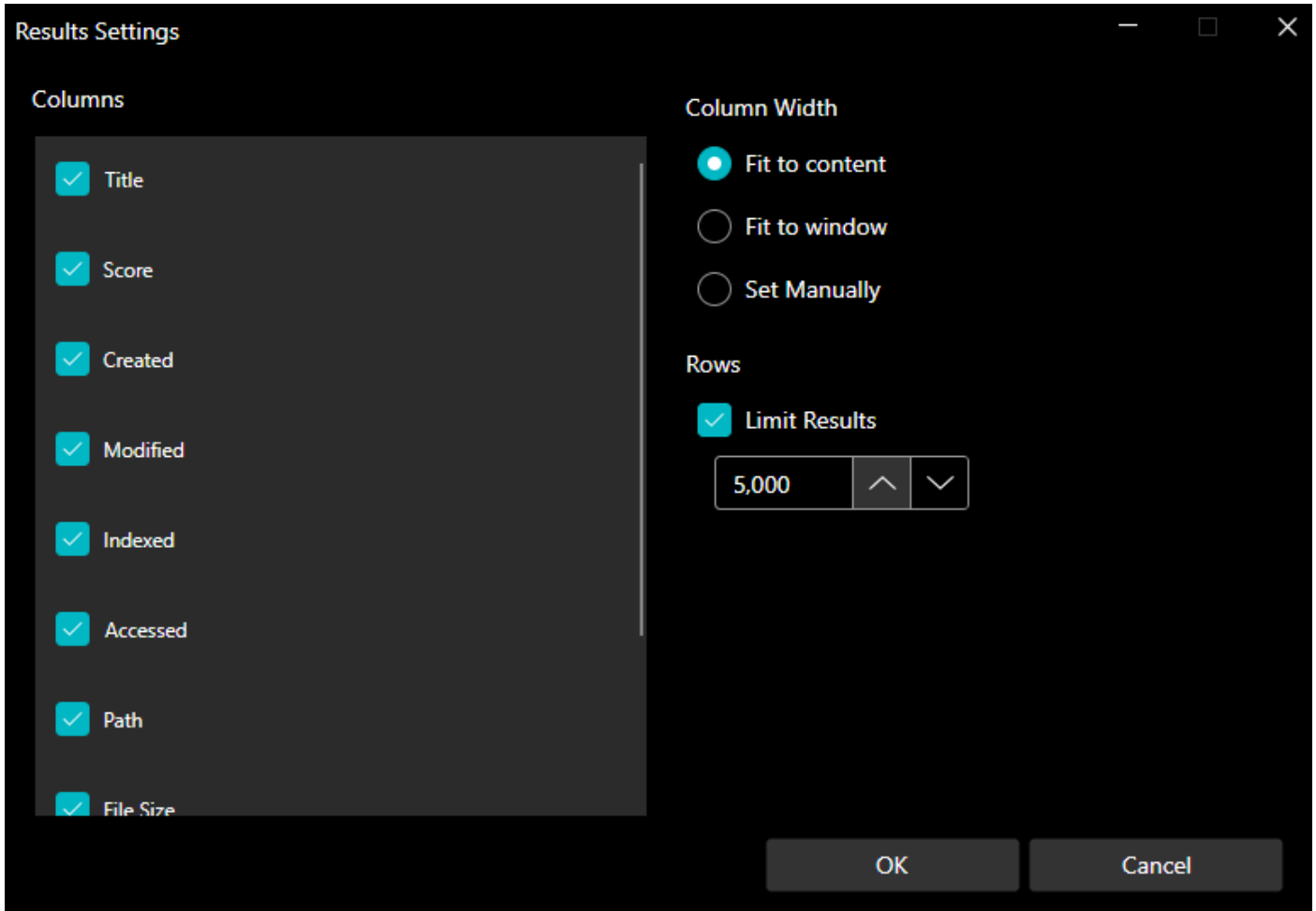
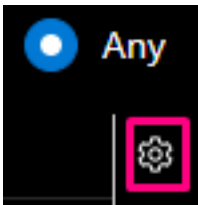
You can select multiple synonym files. For instance, if you are searching through a mix of English and Spanish texts, you might want to select the English irregular verbs and nouns, as well as the Spanish irregular nouns and verbs. Additionally, you can add your own subject-specific synonym group.

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'.

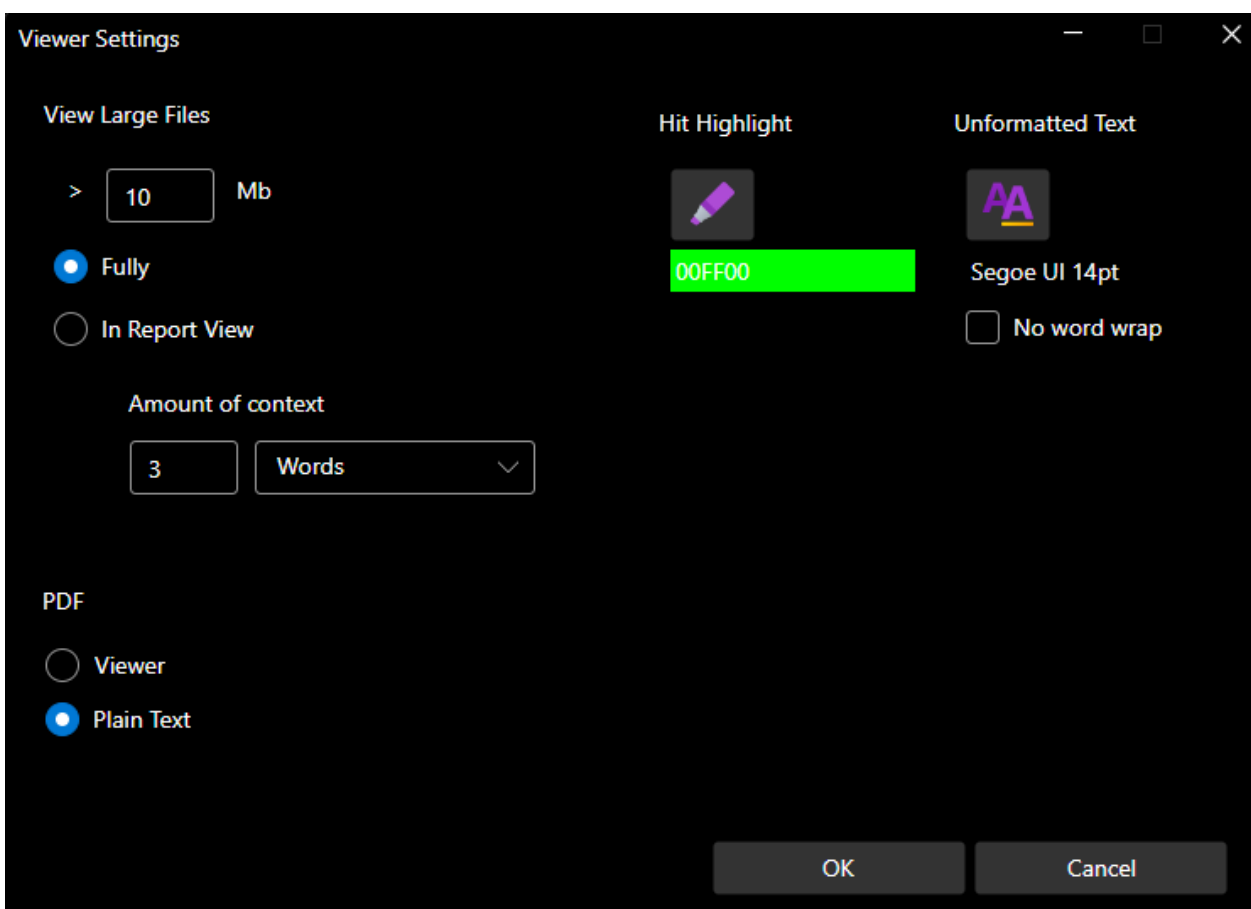
Rows

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 from 'steep' to 'steps'. The main area displays search results for 'stemming'. At the top right are buttons for 'UND', 'ODER', and 'NICHT'. Below is a search bar with 'Porter vocab' and 'stemming'. There are checkboxes for 'Stammsuche' (checked) and 'Synonyme'. A table lists results:

	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 9. The page content includes the heading '1.1 What is AI-powered search?' and a paragraph: 'Prior to November 2022, when OpenAI released ChatGPT to the algorithm that non-technical users could talk with to solve man'.

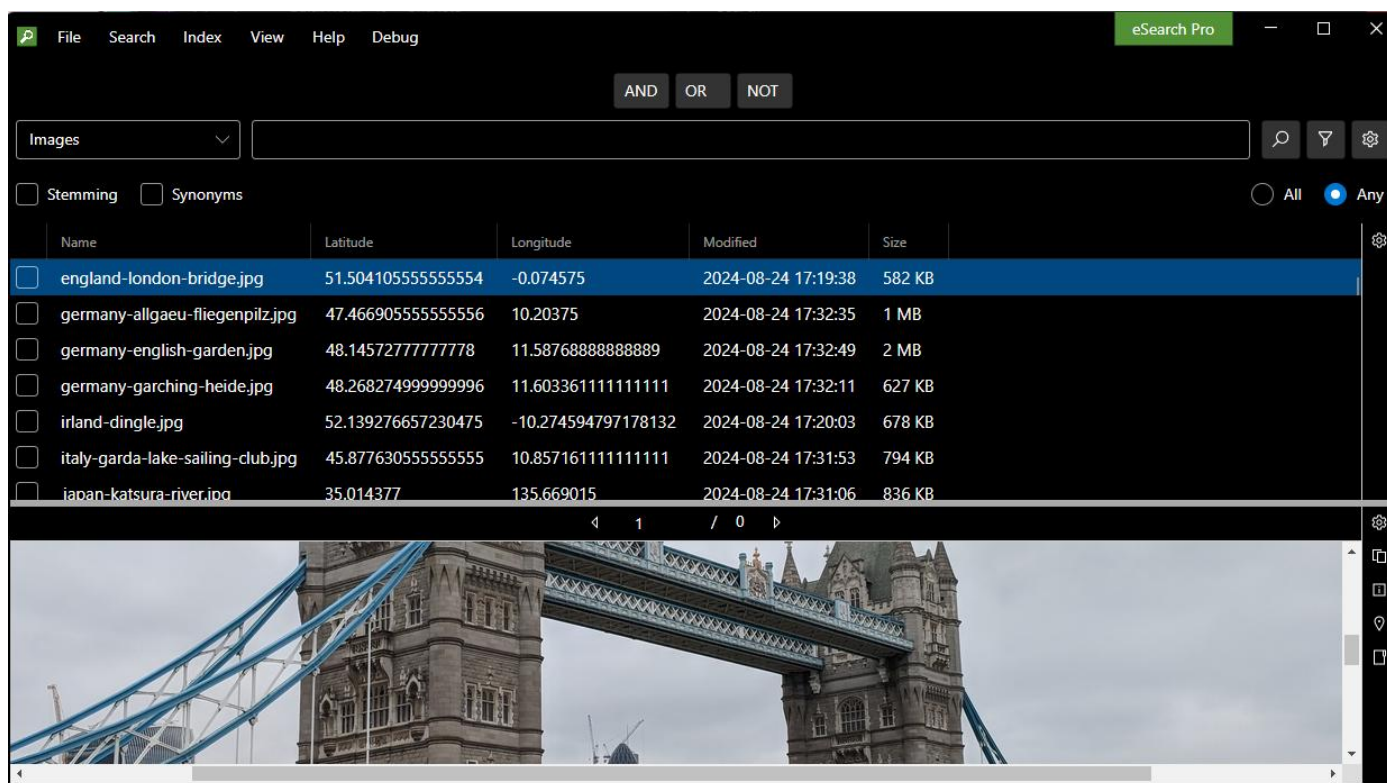
Built in PDF Viewer.

This screenshot is similar to the one above, but the PDF viewer shows page 1 of 3. The text in the PDF is highlighted in green, specifically the word 'stemming' in the paragraph: '...sentences can form paragraphs, and that paragraphs can then be rolled up into even larger groups of text. For the purposes of a search engine, though, the next level of grouping we'll typically focus on above term sequences is simply a field. Text fields can be analyzed in any number of ways using a text analyzer, which typically includes techniques like splitting on white space and punctuation, lowercasing all terms so they are case insensitive, stripping out noise (stopwords and certain characters), **stemming** or lemmatization to reduce terms down to a base form, and removal of accents. If the text analysis process is unfamiliar to you or you would like a refresher, I'd recommend checking out chapter 6 of Solr in Action.'

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

Geolocation in images

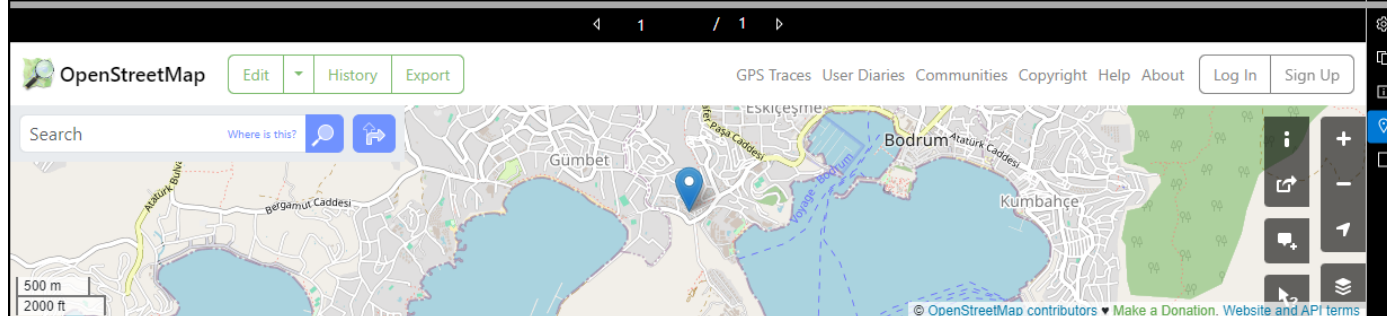
From [Results Settings](#) select the metadata you want to display. Images in many formats are displayed in the Viewer. Automatically extracted metadata includes full geolocation, camera details, etc. You can sort on any column.



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 a dropdown menu set to 'Images'. Below the search bar, there are checkboxes for 'Stemming' and 'Synonyms', and radio buttons for 'All' and 'Any'. A table lists several images with their names, latitudes, longitudes, modified dates, and sizes. The image 'japan-katsura-river.jpg' is selected, and its corresponding photo is displayed in a viewer below the table.

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

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



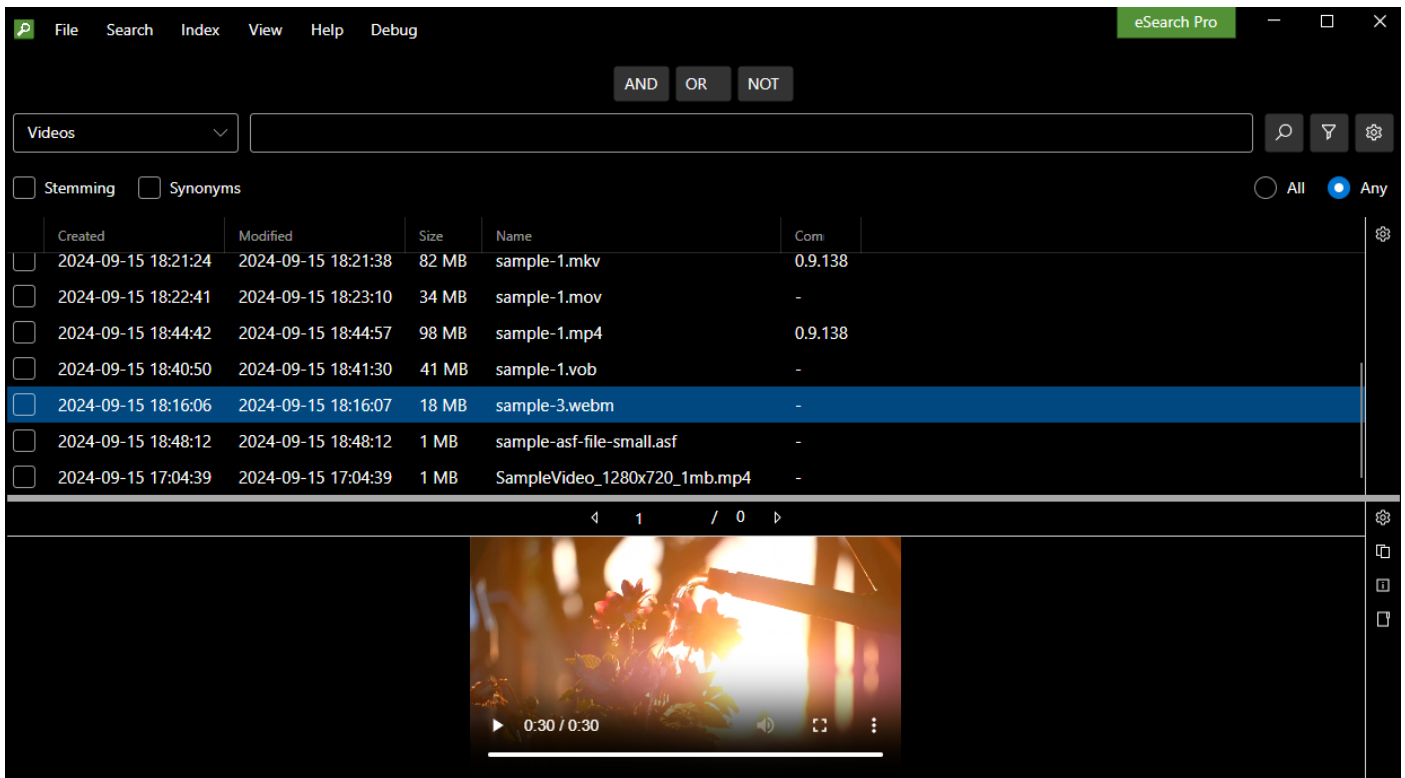
The screenshot shows the OpenStreetMap interface. The map is centered on Bodrum, Turkey, with a blue map pin indicating the location of the selected image. The interface includes a search bar, a scale bar (500 m / 2000 ft), and various map controls. The map shows streets, buildings, and a body of water.

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



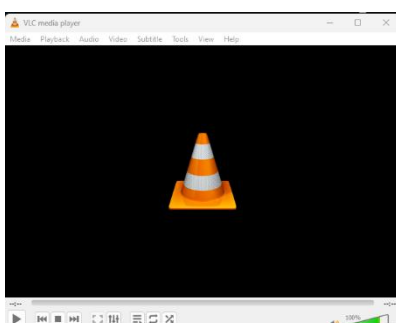
Web format audio and video container files, such as (.wav, .mp3, .mp4, .ogg, .webm), contain different audio and video codecs, not all of which may play in the viewer. For files that don't play in the viewer, we recommend installing VLC Media Player and click on 'View in folder'



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	Cr���	Modifi��	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

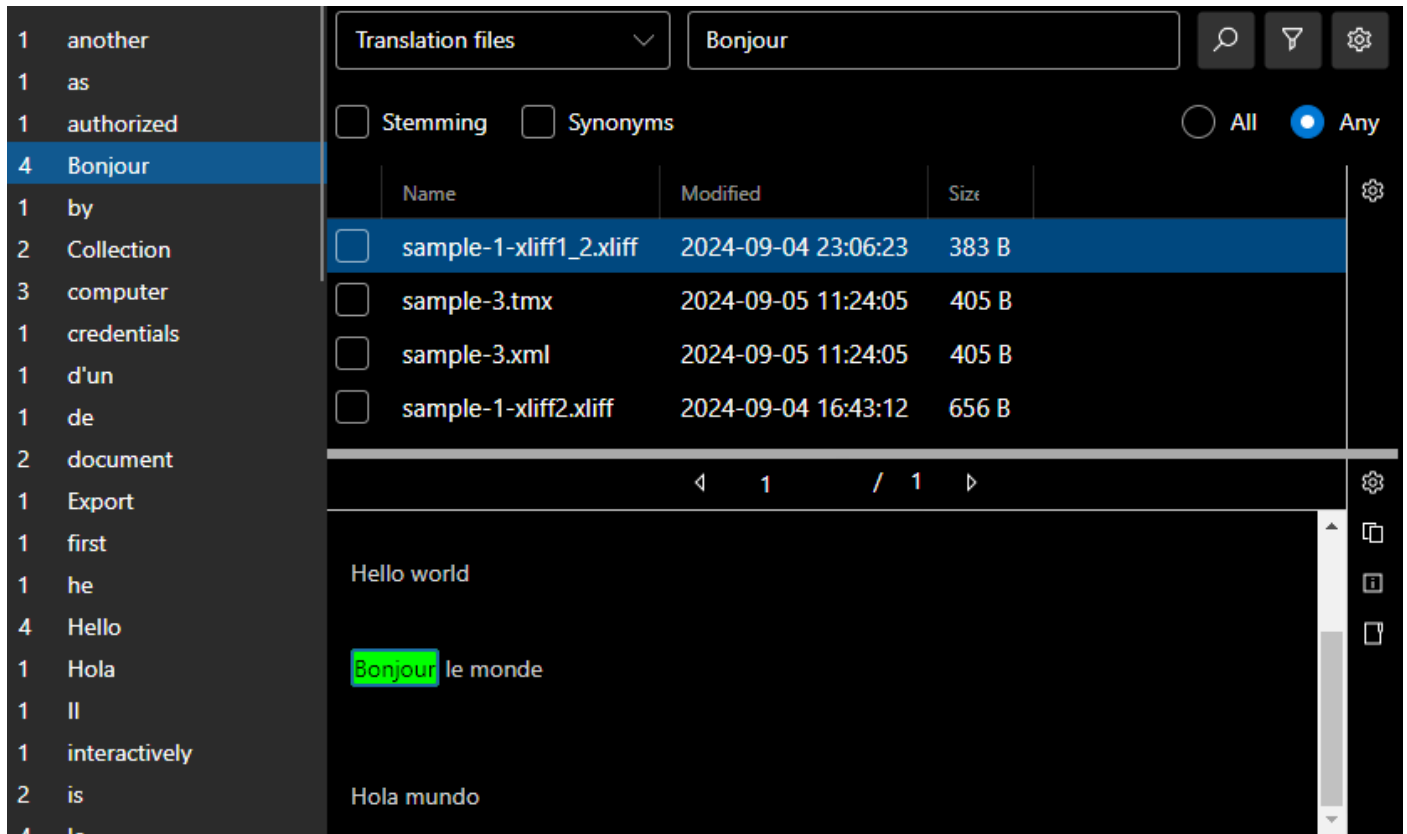
Small images may be better viewed in horizontal mode to increase size.

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

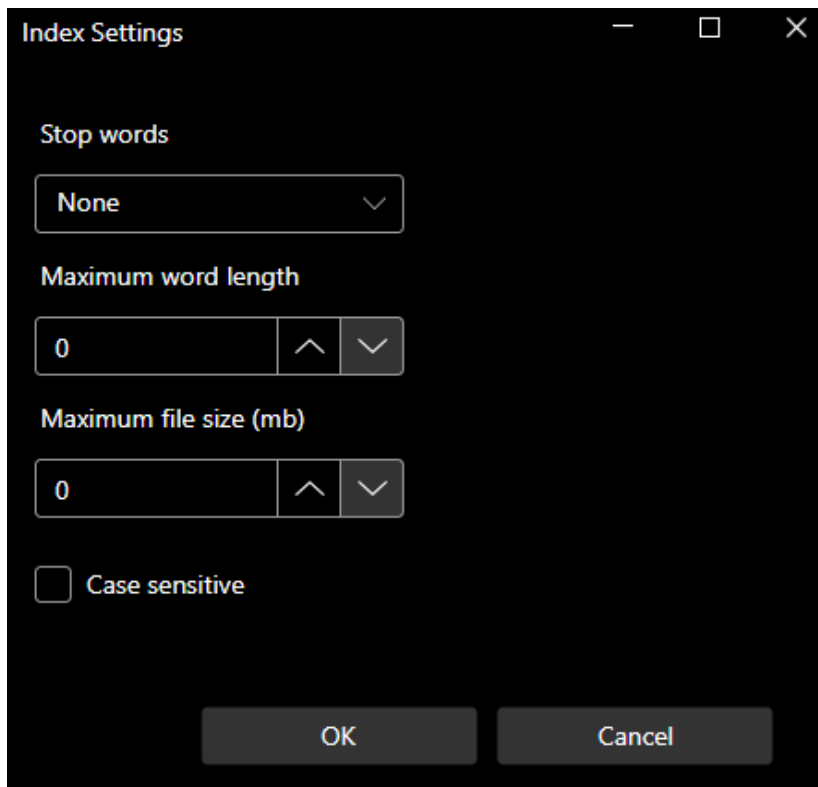


Translation industry file formats XLIFF 1.2, XLIFF 2.0, .tbx, and .tmx are supported for small files only. The image shows an index with the Case Sensitive option enabled, ensuring that acronyms and abbreviations are found. Additionally, contractions like d'un are preserved in the index and appear in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



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

cont...

cont...

abbreviations (PIN NOT pin). Indexes will be larger with this option.

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

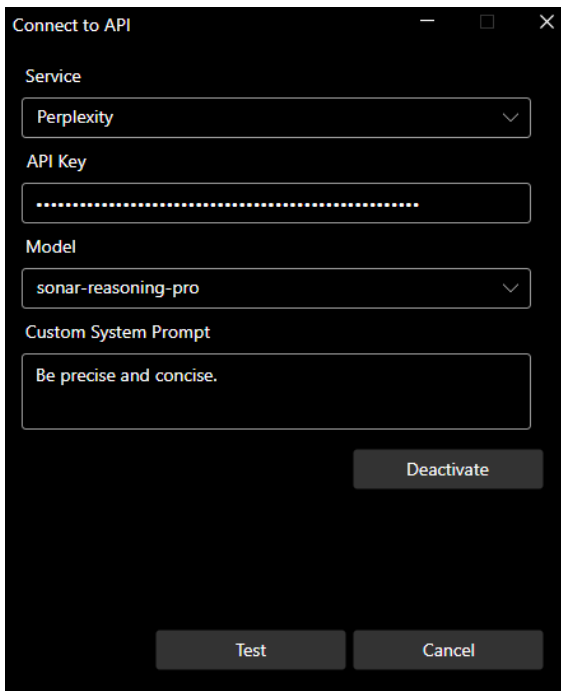
In eSearch, stemming will broaden the search by making it case-insensitive and expanding it to include words with different endings. (e.g. a search on 'title' will find TITLE, Title, title, titles).

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'. On the right, the search options are displayed. The 'Case Sensitive Test' dropdown is set to 'MISÉRABLES'. The 'Stemming' and 'Synonyms' checkboxes are unchecked. A search result for 'Les Misérables, Five Volumes, Complete by Victor Hugo' is highlighted. Below the search options, the language is set to 'English' and the character set encoding is 'ISO-8859-1'. The text '*** START OF THIS PROJECT GUTENBERG EBOOK LES MISÉRABLES ***' is displayed, with 'MISÉRABLES' highlighted in green. The text 'Produced by Judith Boss and David Widger' is also visible.

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.

AI Mode

Connection to AI Services is setup from the Search > AI Search menu.



The Perplexity service uses up-to-date web search combined with a choice of fast non-reasoning or slower reasoning models.

Usage requires a Perplexity.ai API key. This is a pre-pay pay-as-you-go service, so no paid subscription is required.

<https://www.perplexity.ai/settings/api>

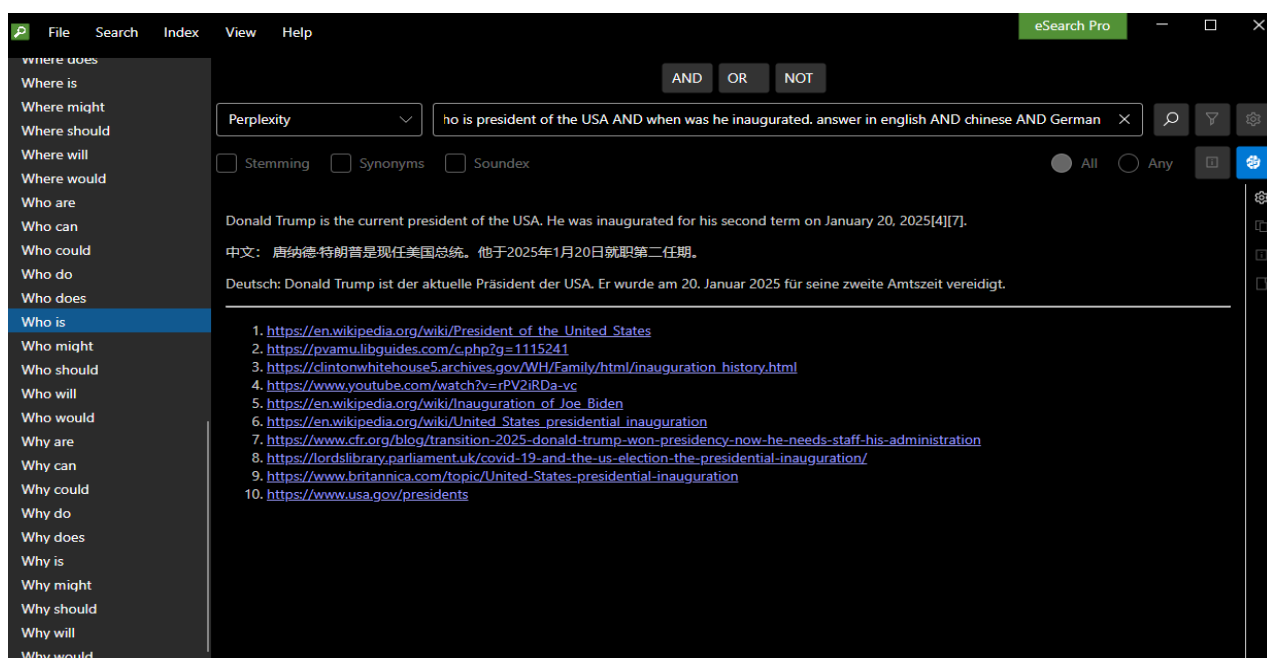
Select the Perplexity Model, enter your API-key, Press Test to check the connection.

Click on the AI Mode button (blue button in the image below) to toggle between indexed and AI mode. In AI mode the Model will be displayed at the top of the viewer window.

The suggested question stems in the word list boost your productivity. Simply double-click on a word, or select it and press Enter, to insert it into the search bar.

Enter the remainder of the question. Optionally, add instructions to provide the answer in any language. Press Enter.

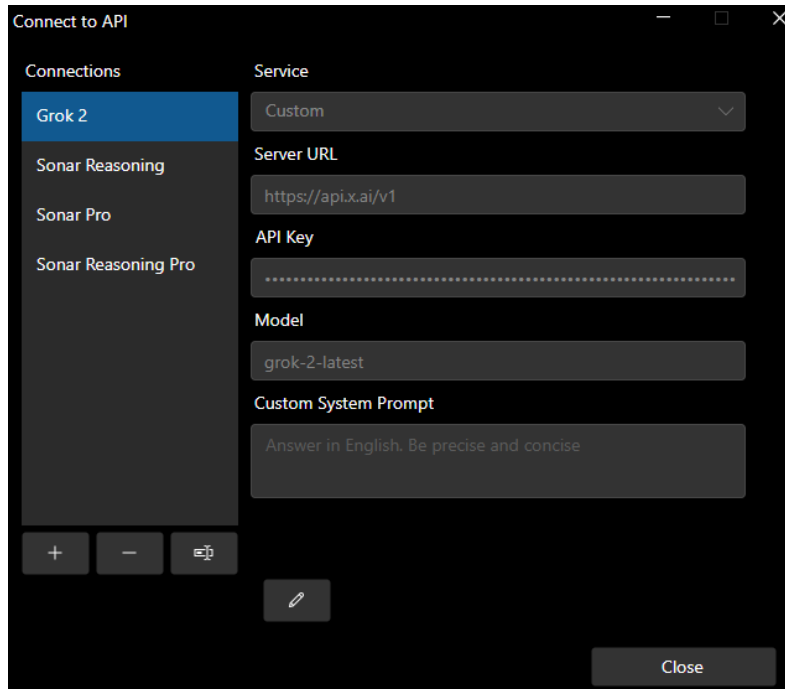
Verify the answer or get further information by clicking on any of the links to open them in your browser.



The image above shows AI Mode using Perplexity Sonar Pro. Apart from Perplexity models, OpenAI's ChatGPT and Custom services are available.

AI – Connecting to Custom API's

From the Service drop-down list, select 'Custom' to connect to any OpenAI-Compatible service, such as a local LLM or another provider, to access the latest models. You can also enter a system prompt to meet your organization's exact search needs.

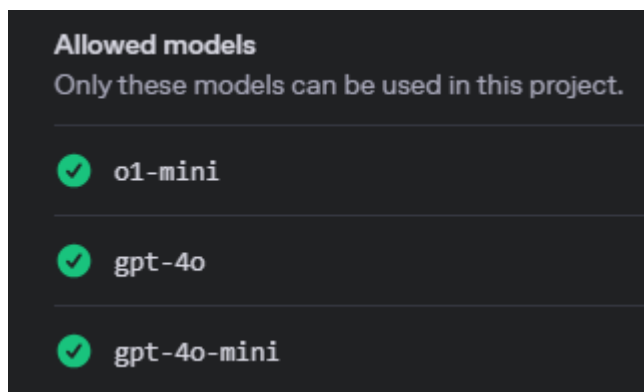


Setup allows you to add (+) or Remove (-) connections.

You can also rename connections, to identify services and models or associate them with projects or cases to control costs.

A security best practice is to rotate API-keys, setup allows you to edit the API-key.

You can add other Perplexity models via the Custom form. Note the server URL is: <https://api.perplexity.ai> (Do not add /v1)



Online services usually require the organization's owner, such as an IT department, to setup projects with different API keys. These projects can have limits set such as token usage or be restricted to specific models, allowing for controlled costs and allocation to specific cases, projects, or users.

Image above shows OpenAI project setup.

AI language models are evolving rapidly. While hosting a model locally can require a machine with substantial GPU memory, which can be costly.

It is prudent to utilize online services initially. This approach allows you to test various models to determine the best fit for your organization's needs while managing costs effectively.

Usage of AI Models

When you click on the AI mode button it will toggle between indexing and AI mode. The button will be highlighted - in blue on image below - to indicate AI mode. The Service will be displayed in the drop-down and the Model will be shown at the top of the viewer as shown in the image below.



- Be aware that models without web search capabilities, or without access to an up-to-date document collection, will have a knowledge cutoff date and usually won't include citations or links to sources on the web.

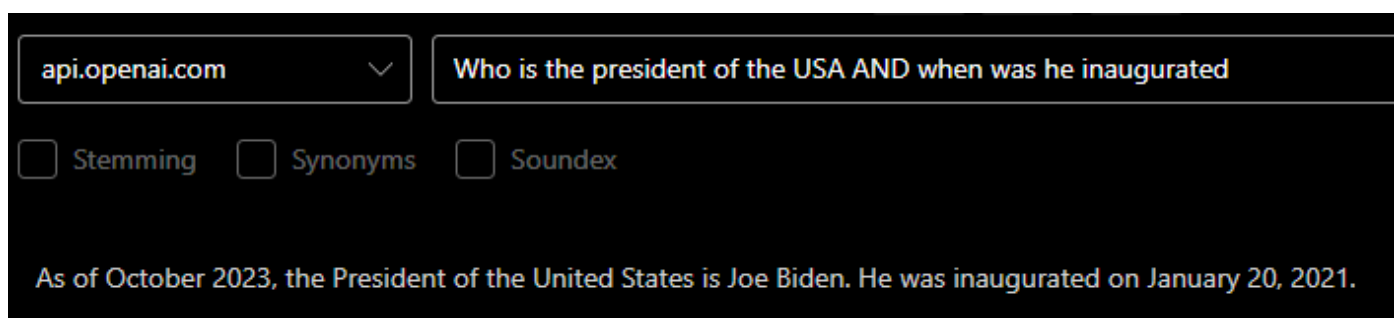


Image above shows OpenAI gpt-4o model answering with out-of-date information to a question in February 2025.

- Non-reasoning models will usually give faster answers, but use with caution, answers can sometimes be incorrect.

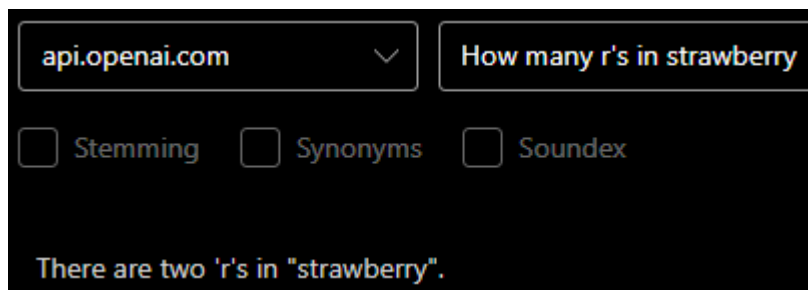


Image shows OpenAI gpt-4o model giving an incorrect answer.

As of February 2025, Sam Altman, CEO of OpenAI, confirmed near-term release of GPT-4.5, calling it 'the last non-reasoning model'. GPT-5 is expected to dynamically adjust its reasoning power or specialization in real-time.

eSearch Portable – Forensics

eSearch Portable is designed to run from a USB 3.x flash drive. It requires read-only access to the host machine and does not install files on it. Indexes and user settings are saved 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, 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 the following:

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 a 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 functionality.

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

Plugins

eSearch Pro supports plugins to extend its functionality. For example, it's possible to index files outside of the local file system using a plugin.

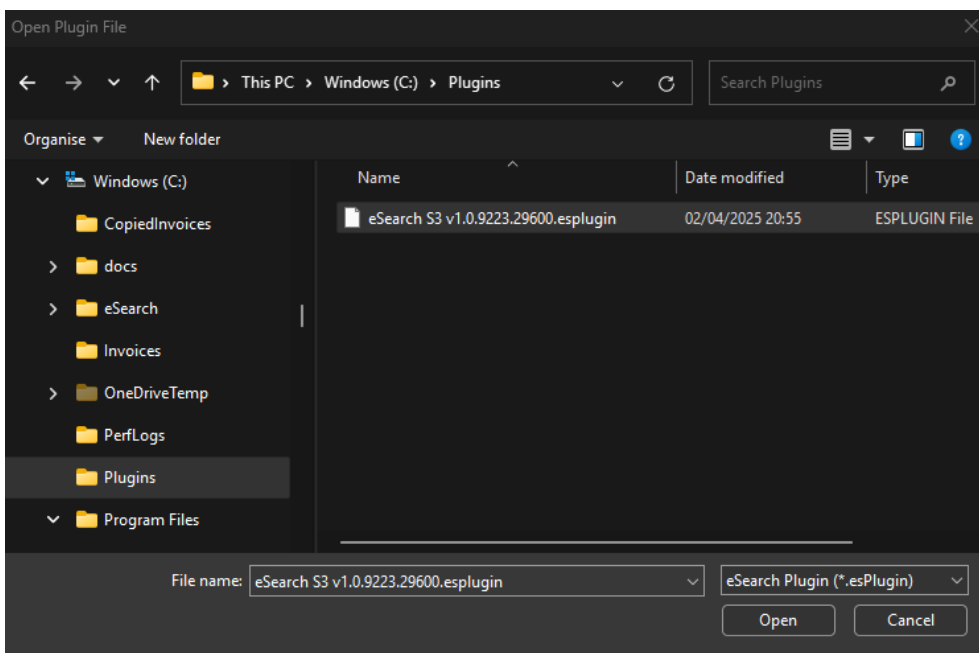
A free plugin that can index files on an Amazon S3 store is available from here: <https://searchcloudone.com/plugins-for-esearch-pro/>

To install the plugin:

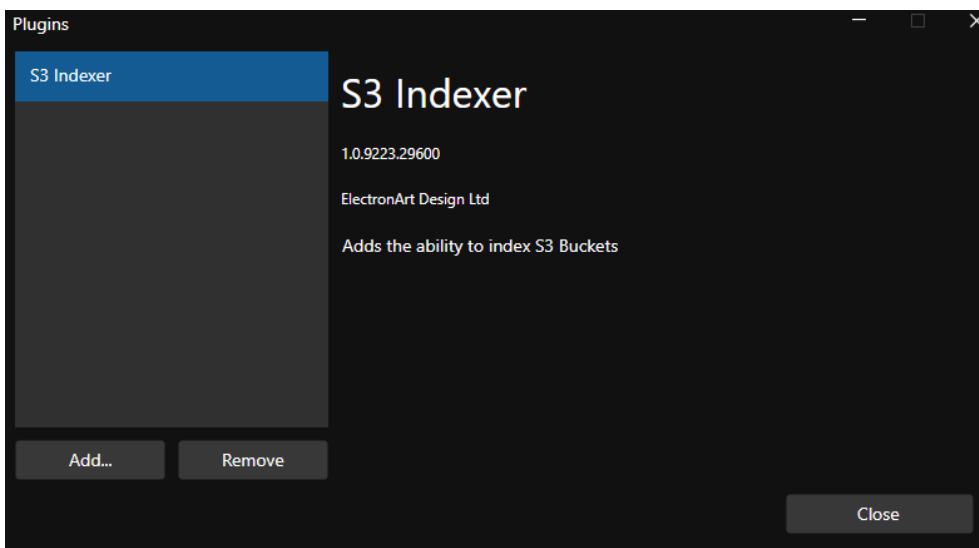
1 Download the plugin file to a folder on your local file system.

2 Right-click on the .zip file and choose Extract all...

2 Click on the Plugins menu, then press the Add... button. Navigate to the extracted plugin file and click Open

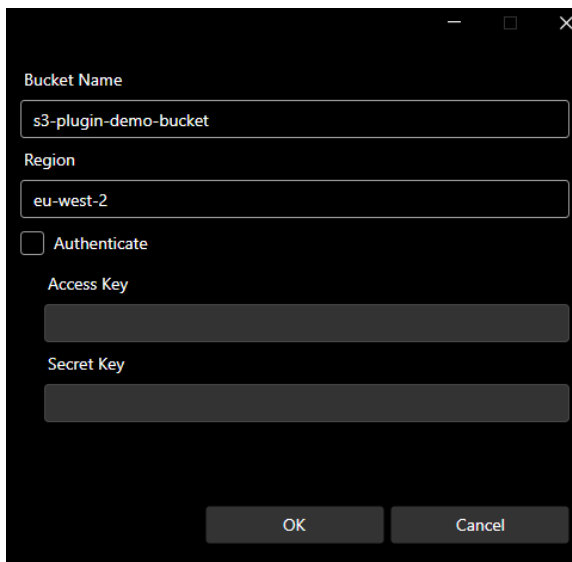
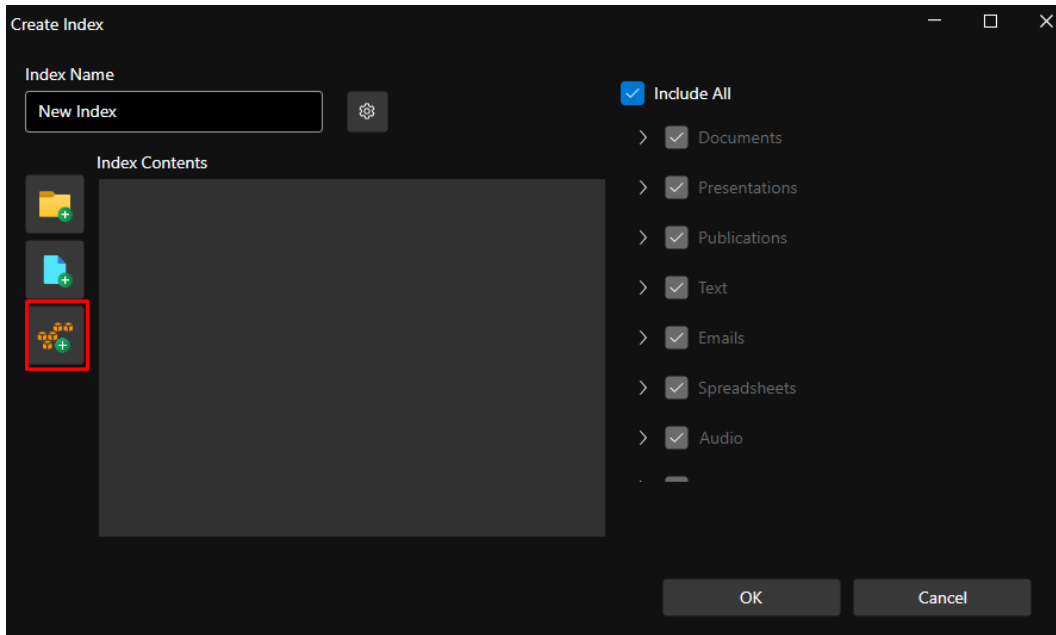


The plugin will now appear on the Plugins list:



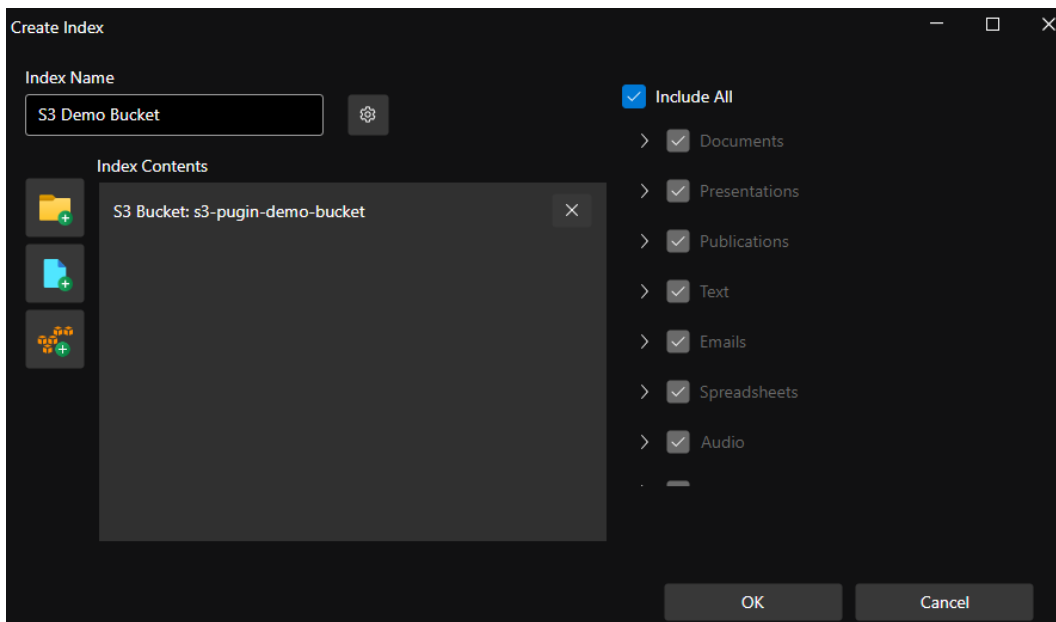
Continue...

Now click on the Index > New... menu, the Create Index window will appear. Click on the new button (outlined in red in the image below).



The Bucket Name and Region is a demonstration bucket. You do not need to enter any other details. Press OK.

If you have files stored in an Amazon S3 Bucket that is not public, you will need to enter the correct Bucket Name and Region, then check the Authenticate box and enter the Access key and Secret key before pressing OK.

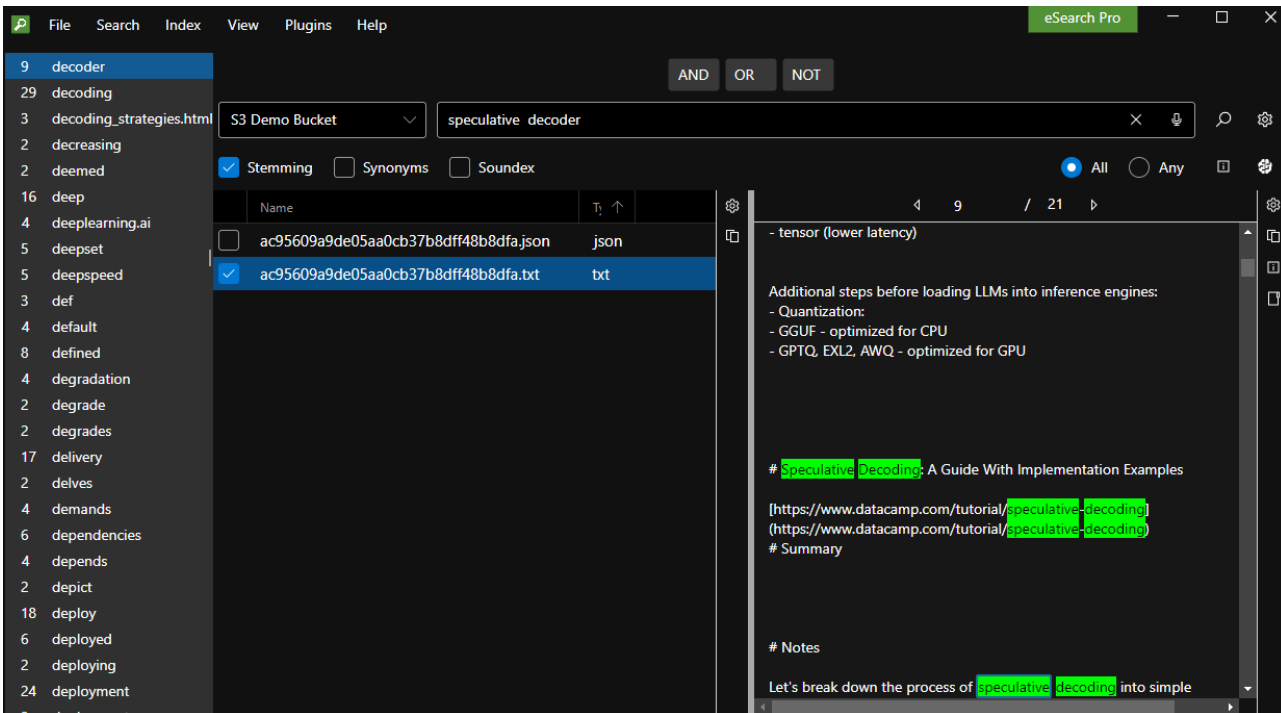


Edit the Index Name to 'S3 Demo Bucket' for example.

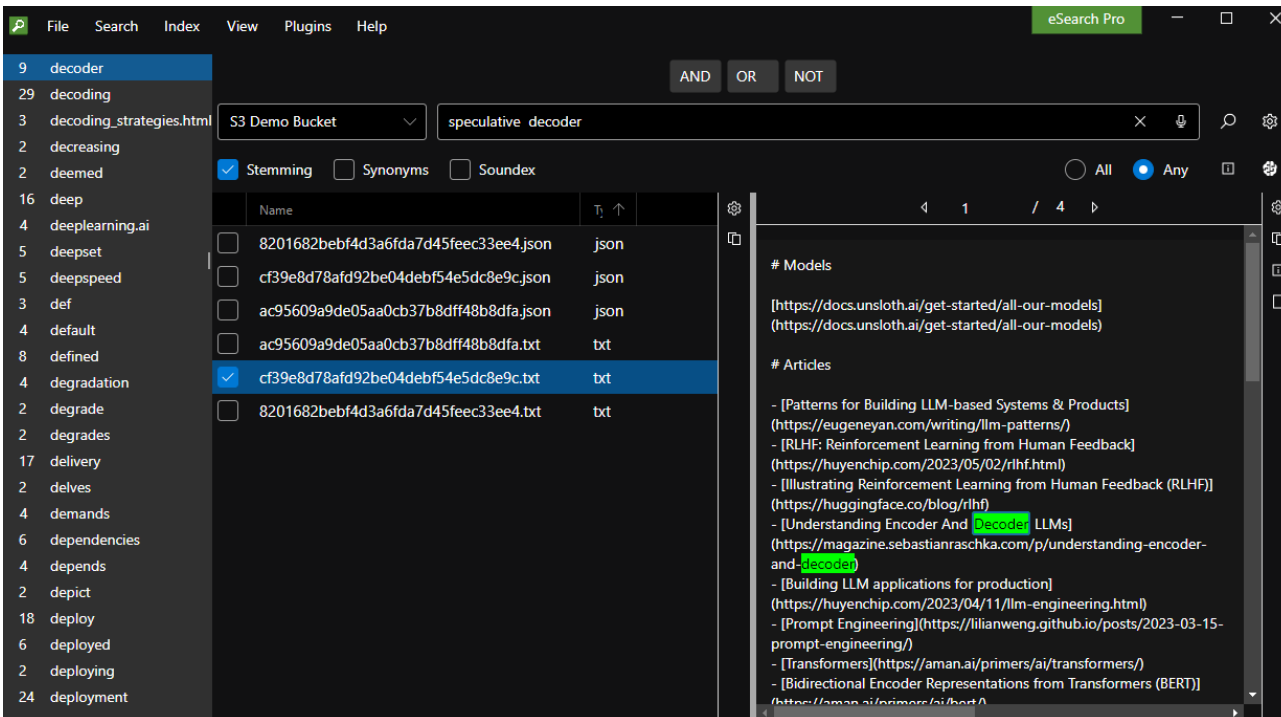
Press OK.

Continue...

The new index will be created in a few seconds, close the dialog. The new index will be automatically selected. Search the files as usual.



Example of an 'All Words' search for the words *speculative*, *decoder*.



Example of an 'Any' word search for the words *speculative*, *decoder*.

Settings:

Stemming: on. As a result, it will also find *decoding*.

View: Horizontal. Results Settings: Name & Type columns, Fit to Content.

Viewer Settings: Plain Text. Highlight (RGB): 00FF00 Font: Segoe UI 14pt.

Acknowledgement:

The files in the S3 bucket are a collection of files from the open-source and free course by Decoding ML here:

<https://github.com/decodingml/second-brain-ai-assistant-course>

Keyboard Shortcuts

Online Help – Press the F1 key.

Forward slash key / to put the cursor in the search bar.

UI Navigation

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

Menus

The 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 can also create their own English language file as an 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

Use the Up/Down keys to navigate rows.

Use Shift + Up/Down keys to select multiple rows, CTRL + Up/down to move without selecting, then Shift + CTRL + Up/down to select further rows.

With the focus on the results panel, select all rows using Ctrl + A.

See also: [File Explorer](#)

Word List

Use the Up/Down keys to navigate through the list, and press Enter or double-click with a mouse 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 modify user interface wording to suit your preferences.

We offer a free Language File Editor to make translation quick and error-free! 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 organizational use. However, 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 the product is in the beta test phase. After the general release date, beta testers, early evaluators, and users of similar products will be offered free or discounted licenses.

The 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 the free Lite mode with limited features.

If you have purchased a Pro license, enter the serial number provided to remove any limits and gain access to support and updates.

To enter the serial number: go to 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, such as restrictions on the number of results or features available in the Pro version. These limits may change over time and will be published on our website or in user guides.

Support

Support is provided via email to a single point of contact within an organization. Always supply your serial number or details of when and where the product was purchased if it was not obtained directly from SearchCloudOne.com or ElectronArt Design Ltd.

Use the contact form on the About menu at <http://SearchCloudOne.com> or email support at support@electronart.co.uk.

Support Articles can be found here:

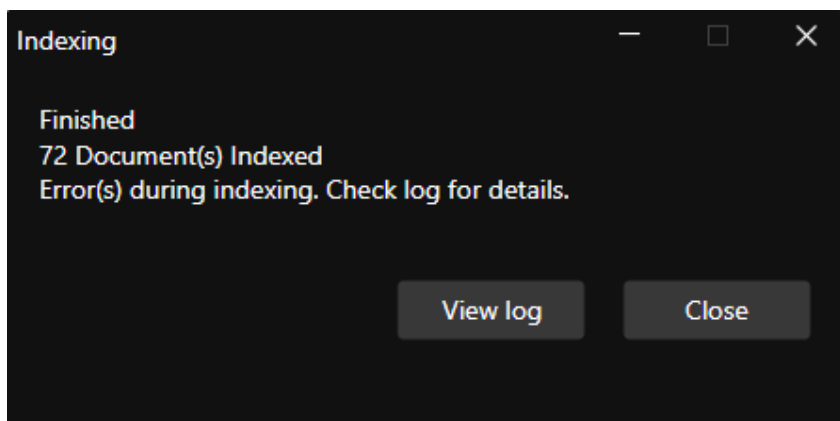
<https://searchcloudone.com/esearch-support-articles/>

Feedback

We welcome feedback, bug reports, suggestions, and translations at any time! Use the contact form at <https://searchcloudone.com/contact-us/> or email support at support@electronart.co.uk.

If you experience problems, please describe the steps to recreate the issue, along with brief details of your computer hardware, operating system, and any specific file type causing the problem. Screenshots may help us understand the issue.

Error Log



During indexing, if errors are detected an error log will be created. If you click on View log it will be opened in Notepad or your default text editor.

Copy and paste the text into an email. If the file is large, compress it into a Zip format and attach it to the email. To create a text file, see the File menu and select Save As... Then, right-click the file and choose Compress to ZIP. Send the log (redacted if necessary) to support@electronart.co.uk.

Name	Status	Date modified	Type	Size
enron.pst	✓	08/03/2024 16:28	Outlook Data File	13,657 KB
sample.pst	✓	24/08/2004 16:44	Outlook Data File	64 KB

OneDrive

Ensure that Status is synchronized to ensure proper indexing.

Known Issues

Viewer Settings

View Large Files:

For large (non-CSV) files, such as 160MB Reuters headlines (TREC data), if “Fully” is selected, eSearch will become non-responsive until the file is read in, which can take several seconds. In contrast, large (multi-gigabyte) CSV files are indexed as separate records and are handled without issues.

PDF

PDF Viewer has no hit highlighting. Choose Plain Text to view PDF files with hits highlighted.

Viewer/File support

File parsers are in continuous development, if you encounter issues, try downloading a later build and rebuilding your indexes to see if the problem has been resolved. For specific needs or unresolved issues, contact support at support@electronart.co.uk.

Hit count navigation was added in response to customer requests. While dtSearch Desktop lists the total number of hits in the results, it does not identify a particular hit when using 'next hit'/'previous hit' navigation. In contrast, eSearch Pro numbers each hit.

In extreme cases, such as when an index is created with stop words set to 'none' and a search is performed on a common word like 'a', there can be thousands of hits in a long English document. Since such a search is unlikely to be useful, we have limited the maximum number of hits counted to 1024. Documents are displayed immediately, but counting and highlighting 1024 hits can take 10 secs or more, depending on the document and the machine.

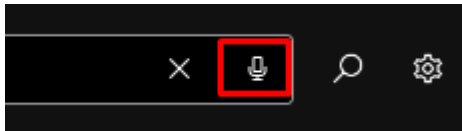
Plugins menu

The plugin API will allow developers to create plugins for connecting to external data sources. A demonstration plugin is available for download, see page 30.

Accessibility

All controls respond to the Windows Narrator Screen Reader, which can be turned on or off with the keyboard shortcut Windows + Ctrl + Enter. See: [Keyboard shortcuts](#).

High Contrast option: See View > Theme menu items.



Search bar now has a voice input option. This works offline using the built-in Microsoft Windows technology.



You can also use applications like VoiceTyper. Use the 'forward slash' [/] key to put the cursor in the search bar before talking.

eSearch Pro

Beta status

The betta version has undergone limited testing and may have restricted file format support or performance issues with certain file types, large files, large indexes, or files in certain languages. All feedback is welcome.

**Product name for the eSearch project is subject to change before general release.*

dtSearch UK, Search Cloud ONE and Tarilio are trading names of ElectronArt Design Ltd. CRN: 01796515.

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