TARILIO Lite TARILIO PRO

User Guide

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What's New in 2.0

See Release Notes

Welcome!

We hope you enjoy using TARILIO.

TARILIO combines advanced information retrieval with an integrated AI Mode that offers multiple connections to online Large Language Model (LLM) Provider APIs and/or locally installed LLMs and MCP Servers for enhanced productivity.

- 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 or assistance.
- 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.
- 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. Export all or Selected results from .PST/.OST files – choose from .eml or .msg format for exported emails, together with email attachments and an export log file that includes SHA-256 hashes.
- Search your Claude conversations: index a Claude data export and read each conversation, project and memory as a separate result.
- PDF viewer with hit-highlighting. The viewer also supports plain text with keyword highlighting, 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) matches the Windows language or user choice from 15+ languages and is also User translatable
- Dark mode/high contrast theme options for eye comfort/accessibility. Horizontal or Vertical Viewer layout options.

Installation & System Requirements

TARILIO is a self-contained 64-bit (x64) .NET 8.0 application. Install on any Windows 10 or 11 machine without worrying about the .NET runtime version installed on that machine. The .NET runtimes and all necessary libraries are within the application itself to ensure it runs smoothly with the exact version it was tested with.

TARILIO PRO 30-day trial

The download file is an AES-256 password* protected Zip file containing a setup.exe, Microsoft Software Installer (.msi) file and Policy Templates folder.

You will need 7-Zip (FREE) or WinZip to extract the files. After 30-days it will convert to TARILIO Lite with some features limited. TARILIO Lite is free for private non-commercial use.

- Download the .zip file.
- Extract the files using 7-Zip or WinZIP (the built in 'Extract all' will not work) - enter the password when prompted.
- Double-click on the setup.exe or .msi file and follow the instructions. The default install path is under the Program Files folder.
- If you have purchased a license, enter your serial number on the Help > About window to continue full use beyond the 30-day trial. If your organization has purchased multiple copies your IT Department may install serials and shared indexes centrally. They may also apply Policies and a serial key which override your local settings.

Disk Space required: 2GB minimum.

Additional space is required for the indexes. Unlike some search products that simply index everything on the installed drive, you can 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

Unzip Password

*Passwords are normally supplied with the download link PDF file. If you have not received this, contact your IT Department or support @ electronart.co.uk

Quick Start

Go straight to the View menu, choose your language, theme and layout.

TARILIO 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

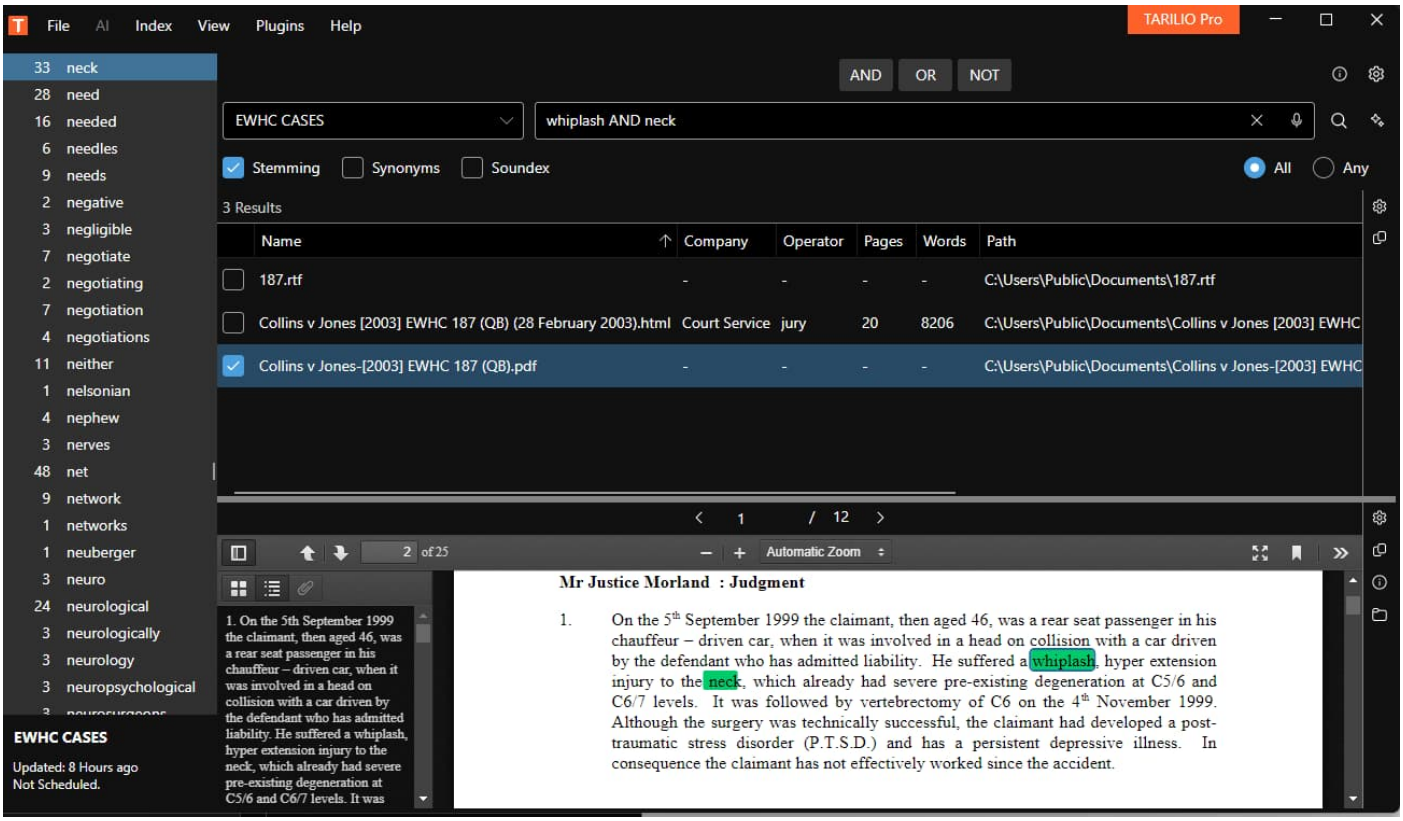
Support Articles

https://searchcloudone.com/tarilio-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, Delete or schedule an index update.



Index

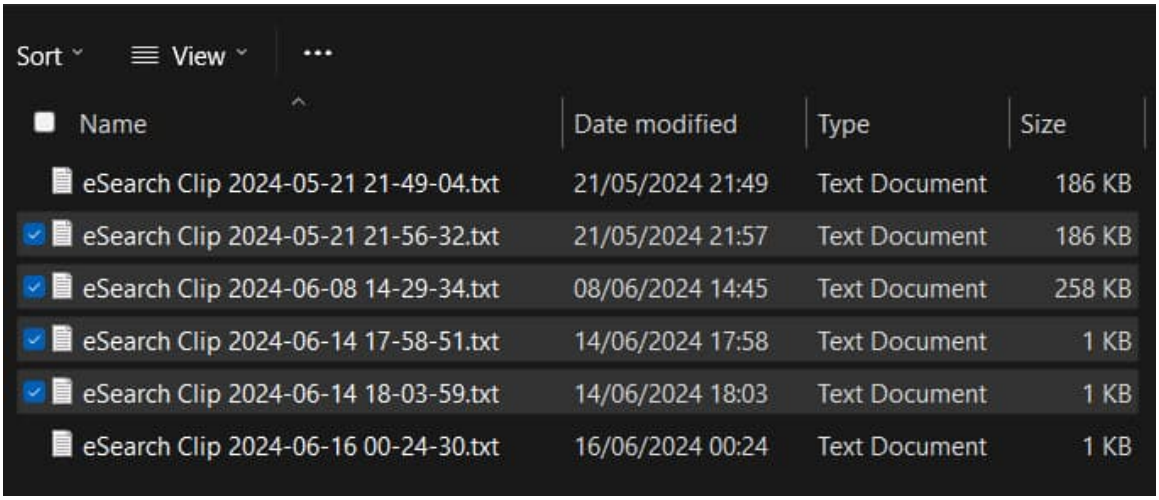
Enter a name for the index, e.g. Closed-Cases, Recipes-Vegetarian, Projects-old.

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.

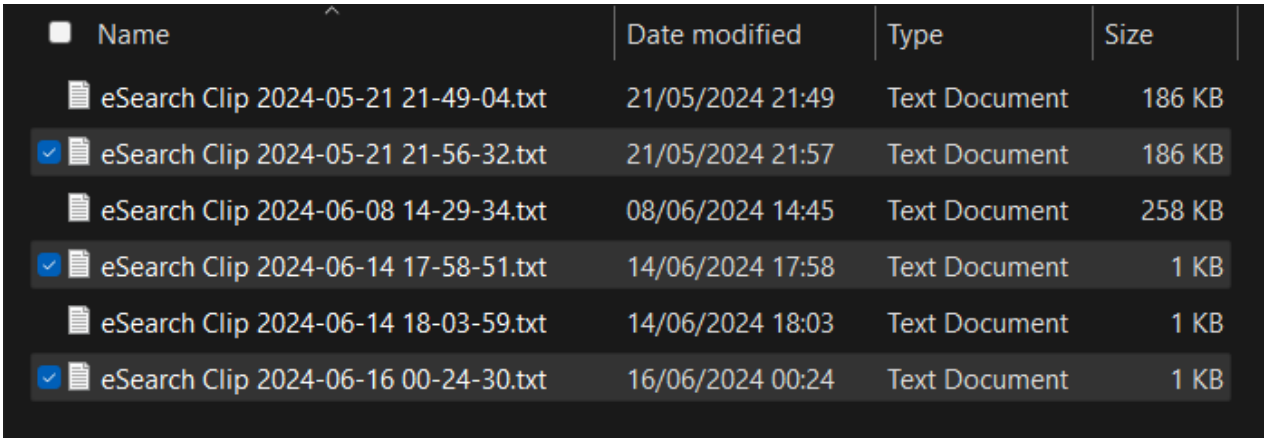
Choose Folder or File, you can add multiple files and multiple folders in the same index and apply filetype filters as needed. You should also check that Settings… are appropriate.

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.

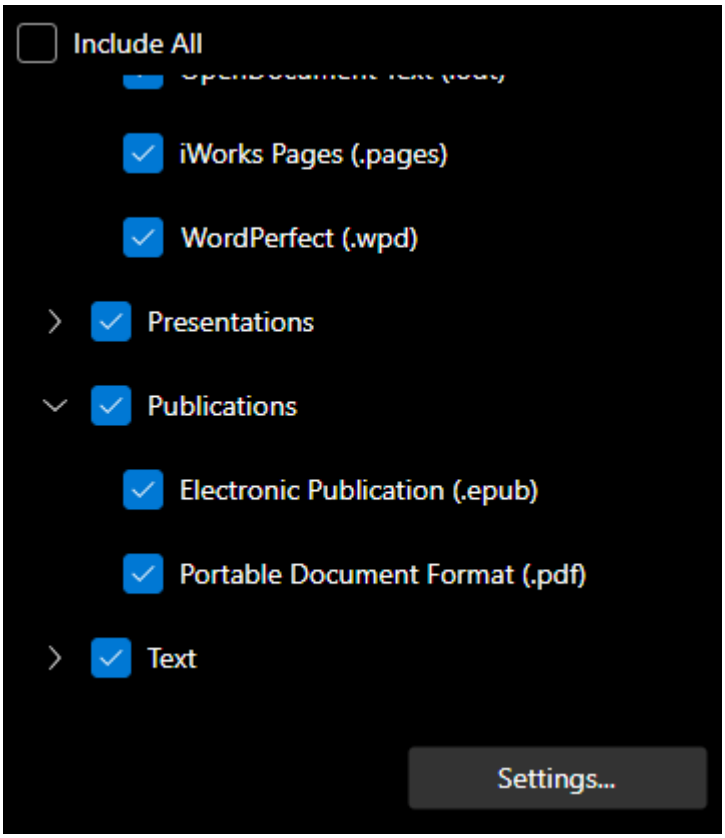


Indexing Options

Filetype filter

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.

Index Sharing

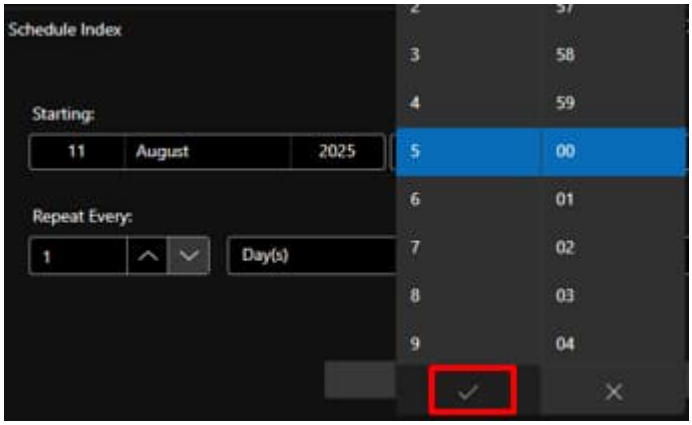
- Per user: each Windows user has their own list of indexes. An index someone builds appears only in their TARILIO, not for other users on the same PC or the network.
- Shared by IT, read-only: the ManagedIndexes policy lets an administrator list index folders, typically on a server share. Those indexes appear for every user marked “Managed by your organisation”. Users can search them but can’t update or edit them. The index must be kept up to date elsewhere, e.g. by a scheduled update on the server.

Schedule Indexing

Manually updating an index is acceptable if the process takes only a few minutes. However, for larger indexes where new documents are added daily, or small frequently updated indexes it is more convenient to schedule updates.

1. From the Index menu, select Manage Indexes…

2. Choose the index you wish to update, then click the Schedule Index… button.



Select a date and time in the future, then select how often the index should be updated. The interval should be longer than a typical update takes; do a manual update to estimate this first.

To set up email indexing more effectively, especially for capturing emails that arrive outside of working hours, here's a suggestion:

Choose a start date of Monday at 5.00 a.m. and set the frequency to either weekly to capture everything in the previous week, perhaps useful for newsletter emails, or daily for a general-purpose email box to keep the index fresh and relevant.

There are also Hourly and Minutes options available, useful for small or frequently updated data.

Indexing will continue in the background whether TARILIO is open or not. Scheduled updates run on laptop battery, have no time limit, and catch up a run missed while the computer was off or asleep; an update still running when the next is due simply skips that one. While indexing on mains power, TARILIO keeps the computer from going to sleep.

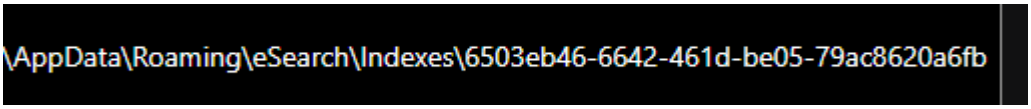
Indexing is logged in Windows Event Viewer.

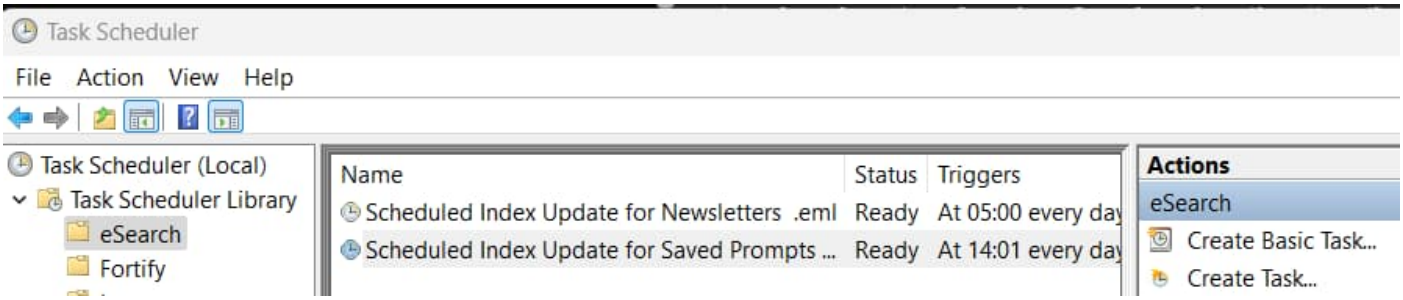
Command Line Index Update

Indexes can also be updated by an administrator from the command line using Windows Task Scheduler.

--scheduled <Index ID>

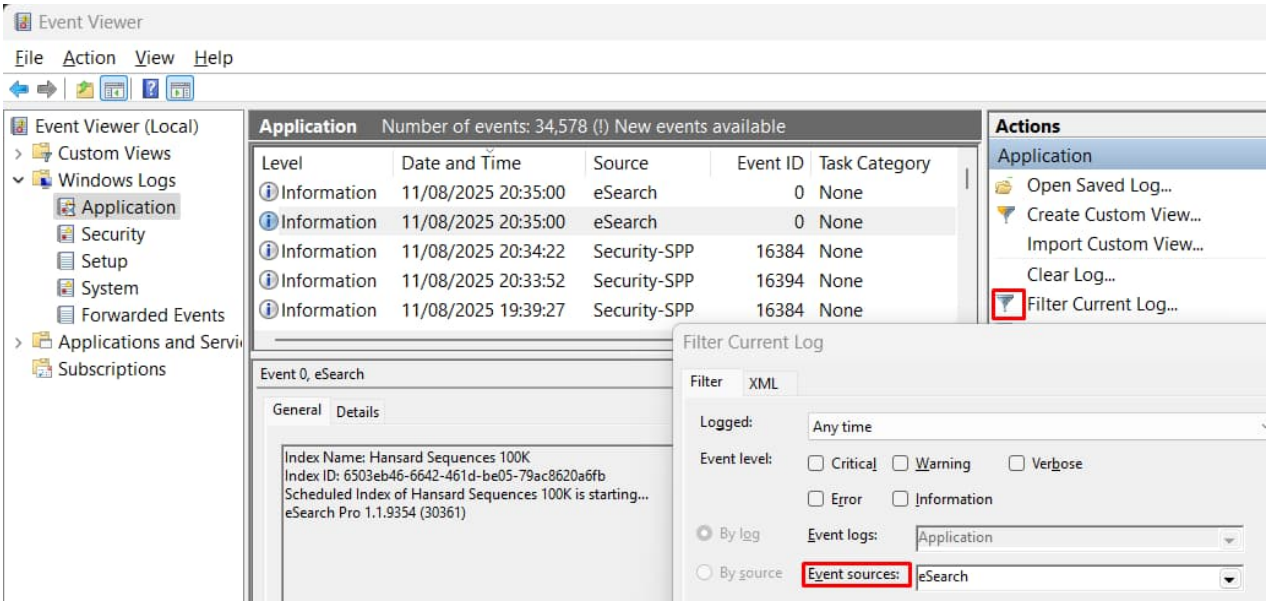
Index ID can be found in the Manage Indexes dialog:





Index Logging

Select Windows Logs > Application and Filter to event source eSearch.



AI Search

TARILIO uses the official MCP SDK (Model Context Protocol). It acts as a client for outside MCP servers, which its built-in AI assistant calls in AI mode. It can also be used in Search mode:

Connect to Claude Desktop

File Menu > Connect to Claude Desktop

It will ask you to quit Claude Desktop from the system tray, then retry.

You can ask Claude Desktop queries like ‘Search my S3 Invoices index for WorldPay payments from 2019’

Headless MCP server

TARILIO can run without its window as an MCP (Model Context Protocol) server, so AI apps such as Claude Desktop, VS Code or Cursor can search your indexes. The AI app starts TARILIO in the background when it needs it; TARILIO does not need to be open.

For Claude Desktop, use File > Connect to Claude Desktop (see above). For other AI apps, add this to the app’s MCP server settings, changing the path if you installed TARILIO somewhere else:

```
{
  "mcpServers": {
    "tarilio": {
      "command": "C:\\Program Files\\ElectronArt Design Ltd\\TARILIO\\eSearch.exe",
      "args": ["--mcp"]
    }
  }
}
```

The AI app can use three tools:

- list_indexes: index names, document counts and when each was last updated.
- search: All, Any or Boolean searches, with stemming, synonyms, paging, hits in context and file paths.
- get_document: a document’s text, in parts, and its metadata.

The AI app can search your indexes but cannot create, change or delete them. In TARILIO Lite, searches return at most 10 results. Administrators can turn the connector off with the AllowAIConnector or DisableAI policy.

Search Queries

By default, TARILIO 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'. You don't need to type the closing quote of a phrase; TARILIO adds it for you in the background!
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

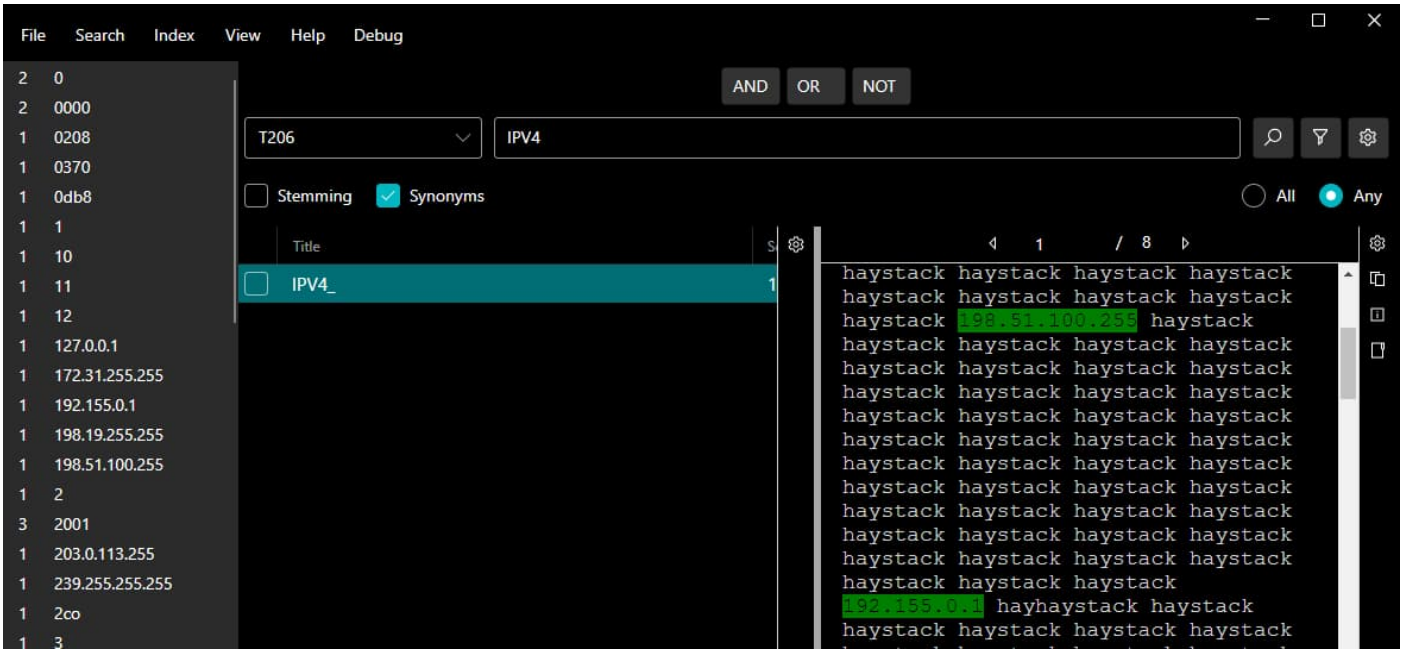
As you type a word in the search query bar, it will ‘search as you type’. At the same time, the word list will scroll to the matching word. An alternative to typing, especially if you are unfamiliar with the content of the index, is to scroll through the word list and double-click on a word of interest.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

TARILIO 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.

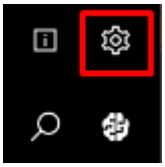
Use List option

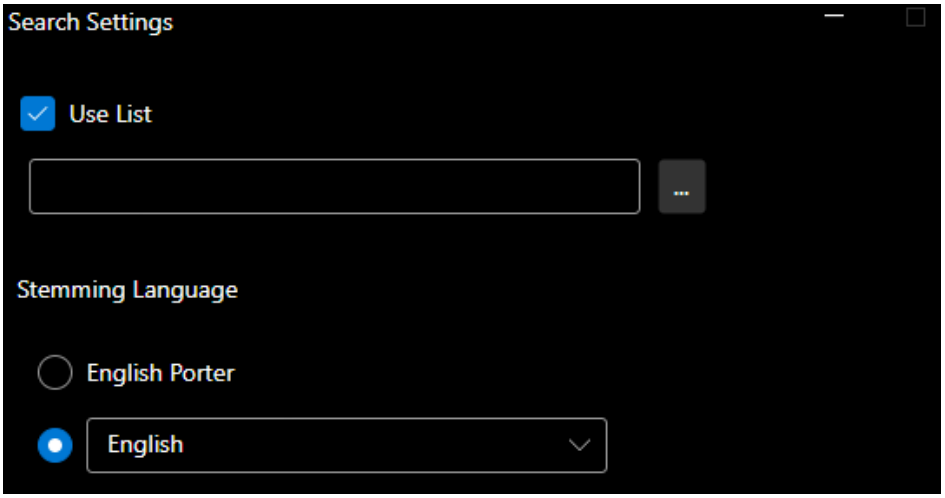
Intended for using a 'Keyword List' during eDiscovery (eDisclosure) by case reviewers. To create a list the first step is to sample the dataset.

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.

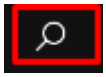
2) Create a file in NotePad or similar text editor and save it in Unicode format. The file should contain a list of keywords (words that you identified as important from the word list) or valid search queries, one per line. Leave no blank lines. Save it in your Documents folder or with your case files, 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.



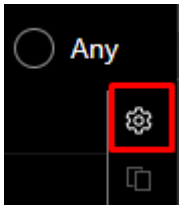


4) Click on the navigation button and open the file you created above. Click OK. The ... search query will appear in the search bar.

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:

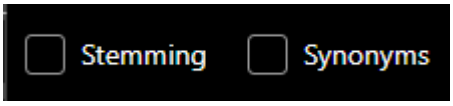


7) Click on column headers in the results table to sort as needed.

8) Check the checkbox next to any row 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



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: when using the Case Sensitive index option, Stemming should be deselected. If Stemming in TARILIO 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.

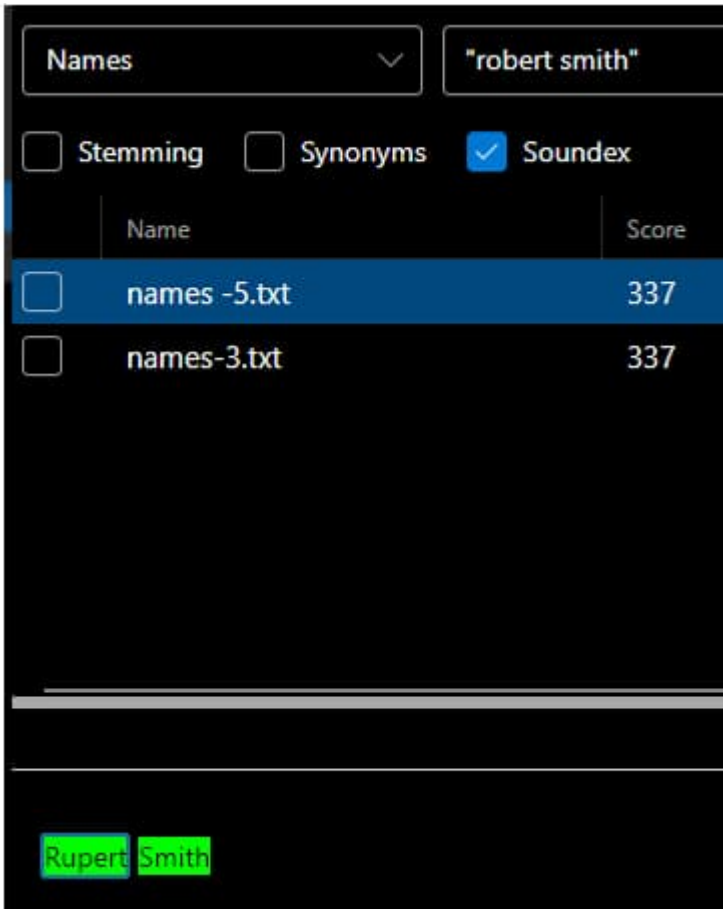
Soundex

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 may not be desirable depending on the purpose of your search.



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

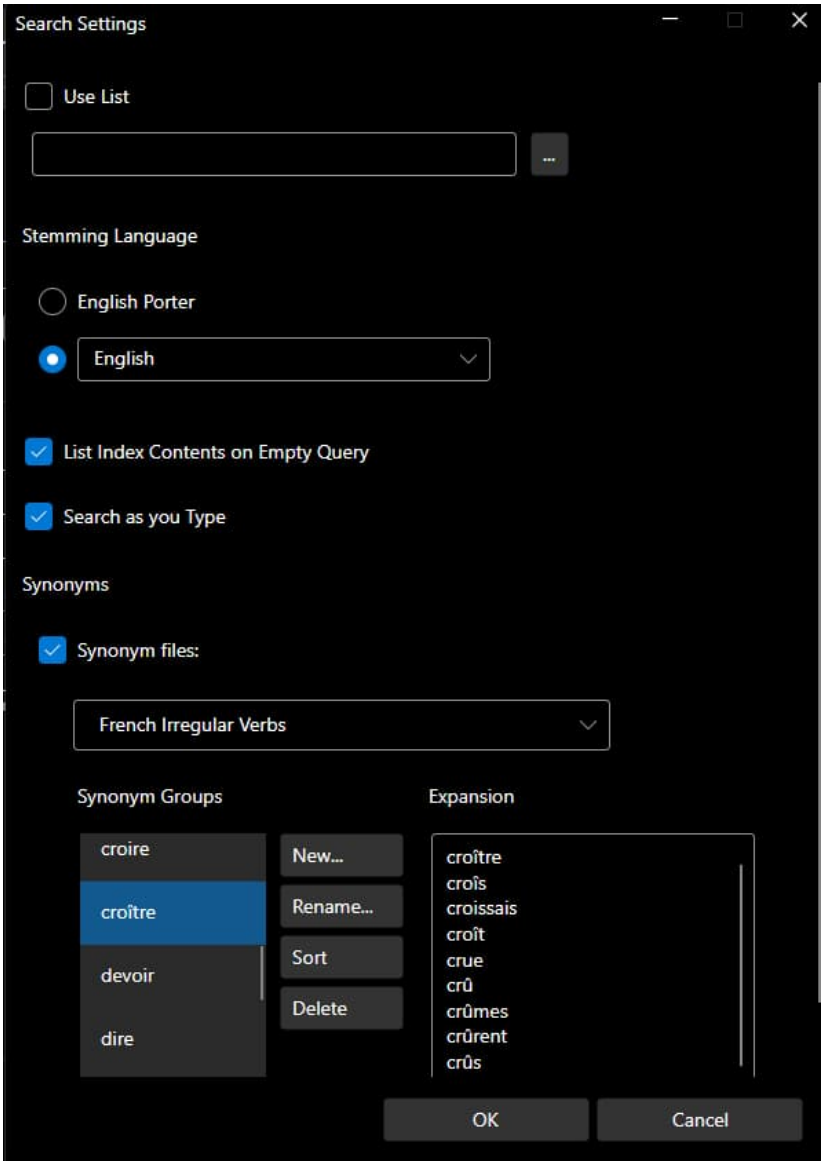
Names-3: Robert Smith

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.

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.

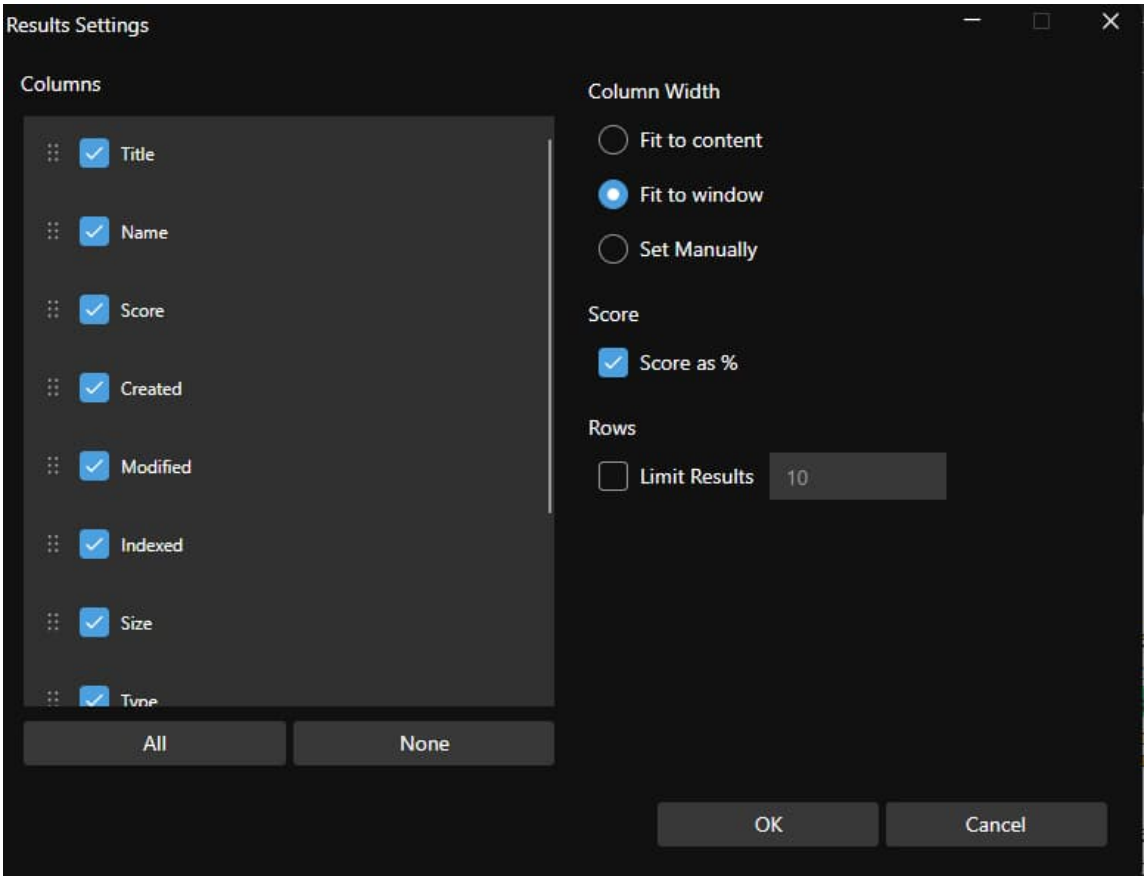
You can select multiple synonym files. For instance, if you are searching through a mix of English and Spanish texts, you might want to select the English irregular verbs and nouns, as well as the Spanish irregular nouns and verbs. Additionally, you can add your own subject-specific synonym group.

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 TARILIO 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 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.

Drag and drop columns to reorder them. Unselected columns will fall to the bottom after the window is closed. Press OK to save the settings and close the window.

Sort results by any column by clicking on the column header in the results list

Column Width
This is remembered if you choose ‘Set Manually’.

Score
TARILIO ranks results by Lucene’s BM25 scoring x100, rounded down with the standard k1 = 1.2 and b = 0.75 settings. This applies by default or if you sort on the Score column. You can also sort by any other column instead of by relevance by clicking on the column headers. You can choose to display the scores as a percentage of the top result.

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.

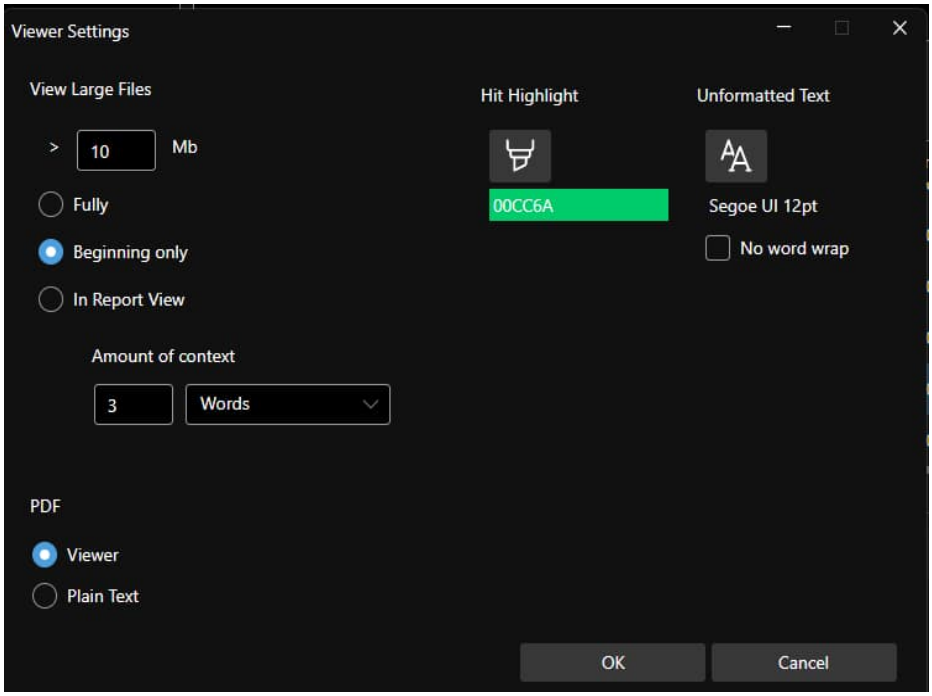
Viewer Settings

Viewer Settings

Map Pin

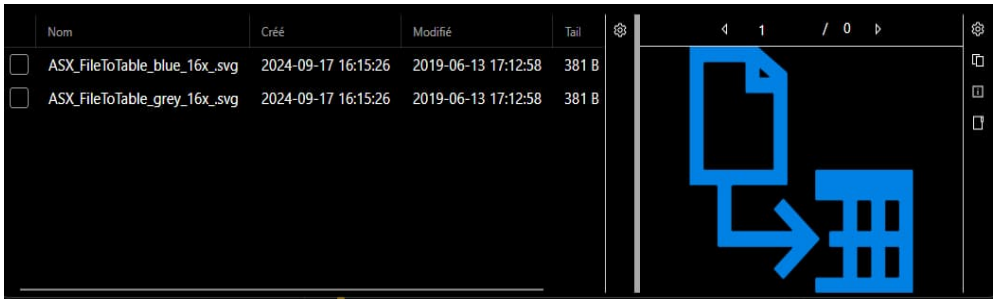
The Map Pin button is displayed when images with geolocation metadata are viewed.

View Large File: Large files can take time to open in the viewer. For faster viewing, choose Report View to display only keywords in context (KWIC), or Beginning only to display the start of the file.



Report View: set the Amount of context as a number of Words (before and after each hit) or Paragraphs (centred on the hit). A paragraph is a line of the document's text, so for text files with a line break every 70 or so characters, such as older e-books, choose Words (e.g. 30) for more context.

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

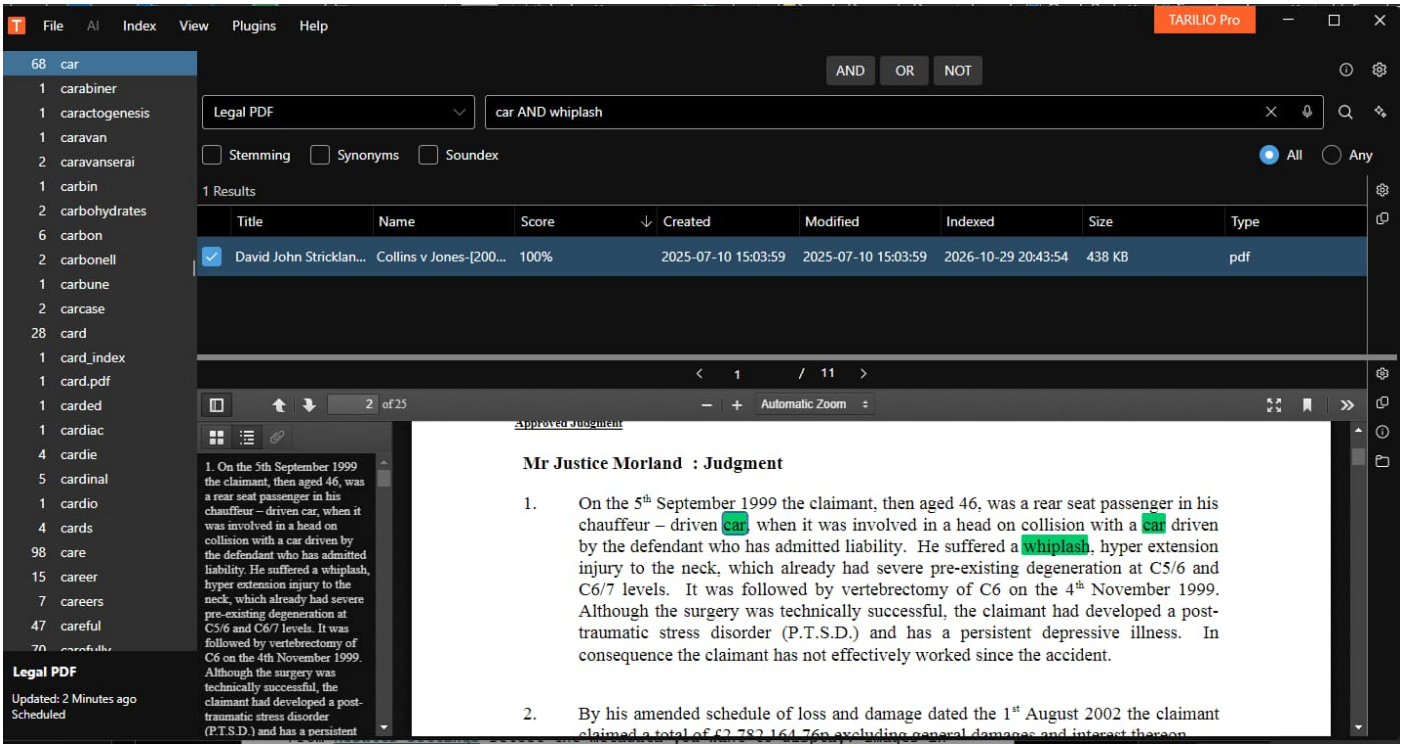


Small images may be better viewed in horizontal mode to increase size. Change the layout in the View menu from Vertical to Horizontal.

PDF: See PDF Options

PDF Options

You can view as PDF or as plain text, both support hits highlighted in your choice of colour.

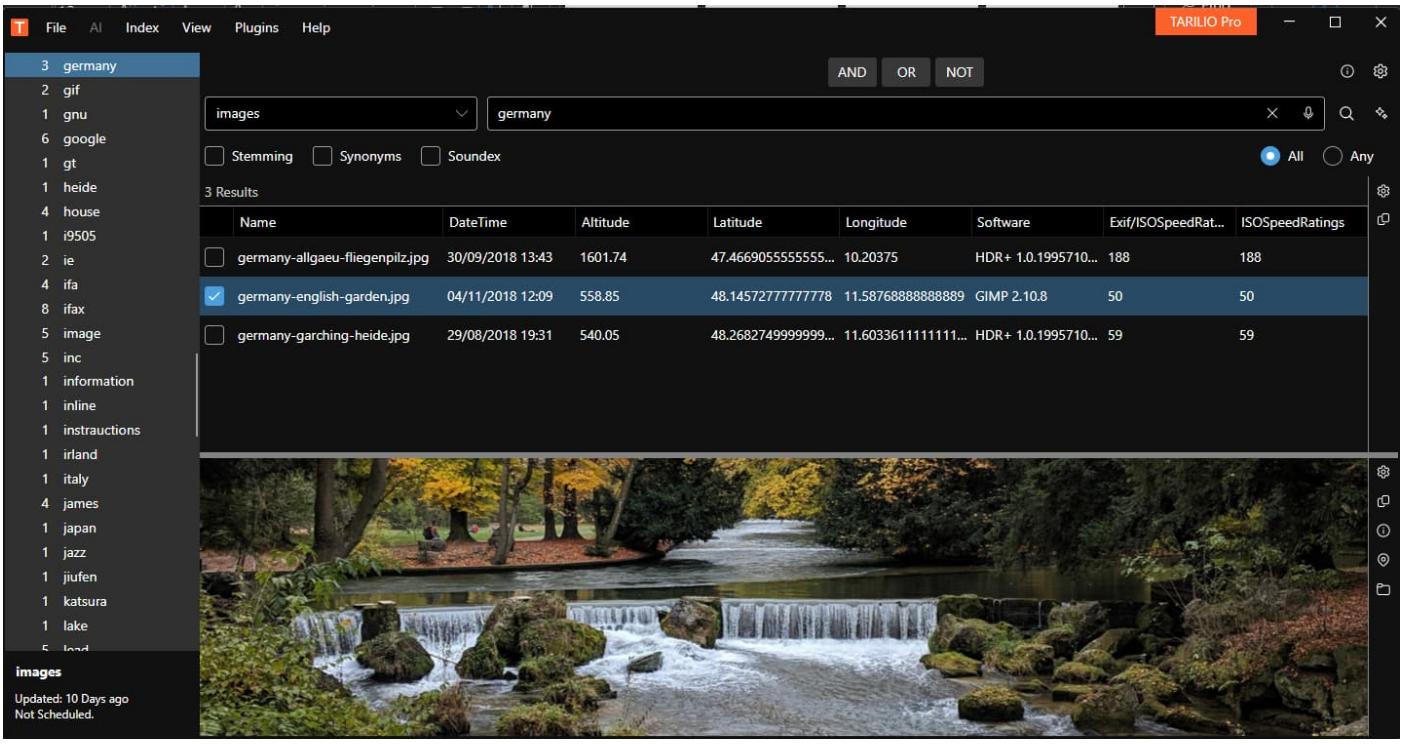


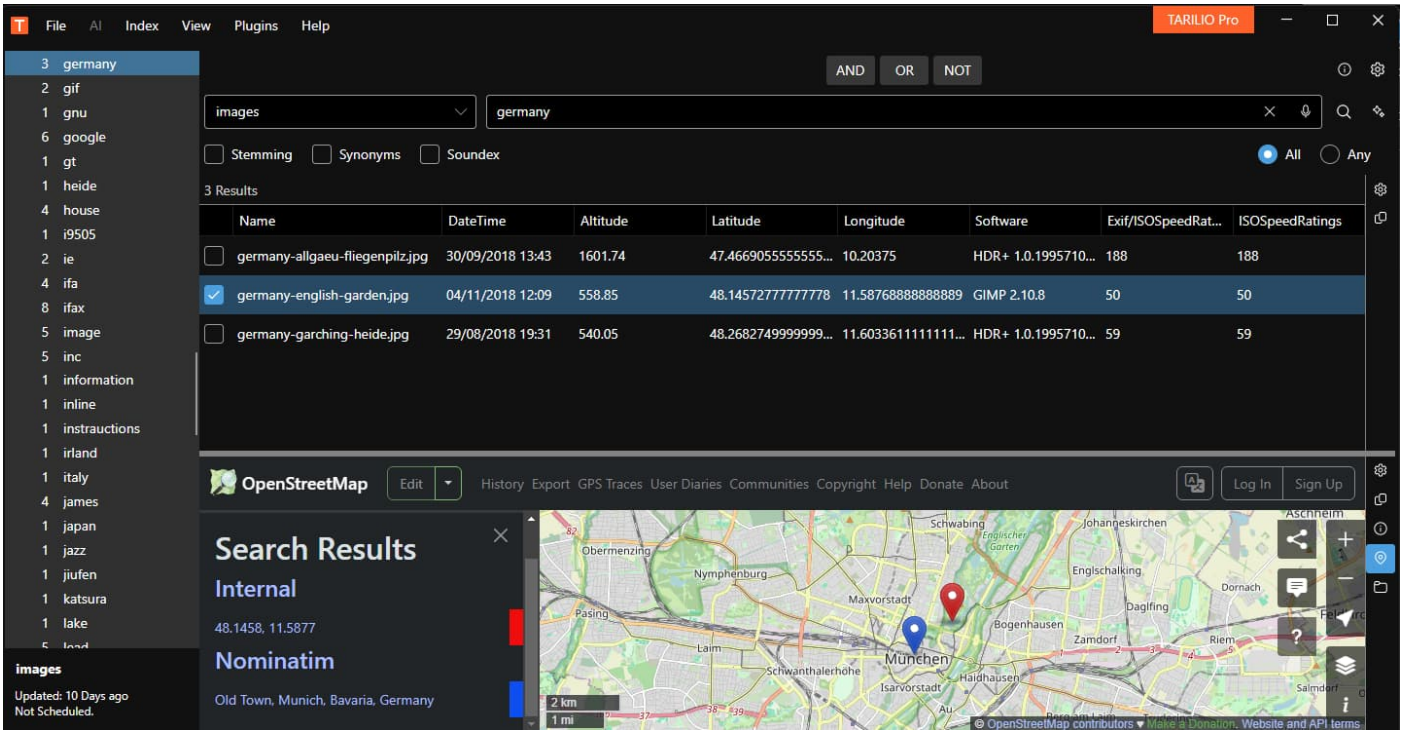
The built in PDF Viewer honours file preferences for display of sidebar options. You do not need Adobe Acrobat or any other PDF viewer installed.

The viewer does not depend on Microsoft's Edge WebView 2. TARILIO displays documents with the Chromium Embedded Framework (CEF), an open-source browser engine; TARILIO configures CEF to display documents only, with its background network services turned off, including automatic updates, crash reporting, spell-check downloads, link auditing and network error reporting. See Privacy Notice.

Geolocation in images

From Results Settings select the metadata you want to display. Images in many formats are displayed in the Viewer. Zoom using the mouse scroller or + – keyboard keys. Automatically extracted metadata includes full geolocation, camera details, etc. You can sort on any column.



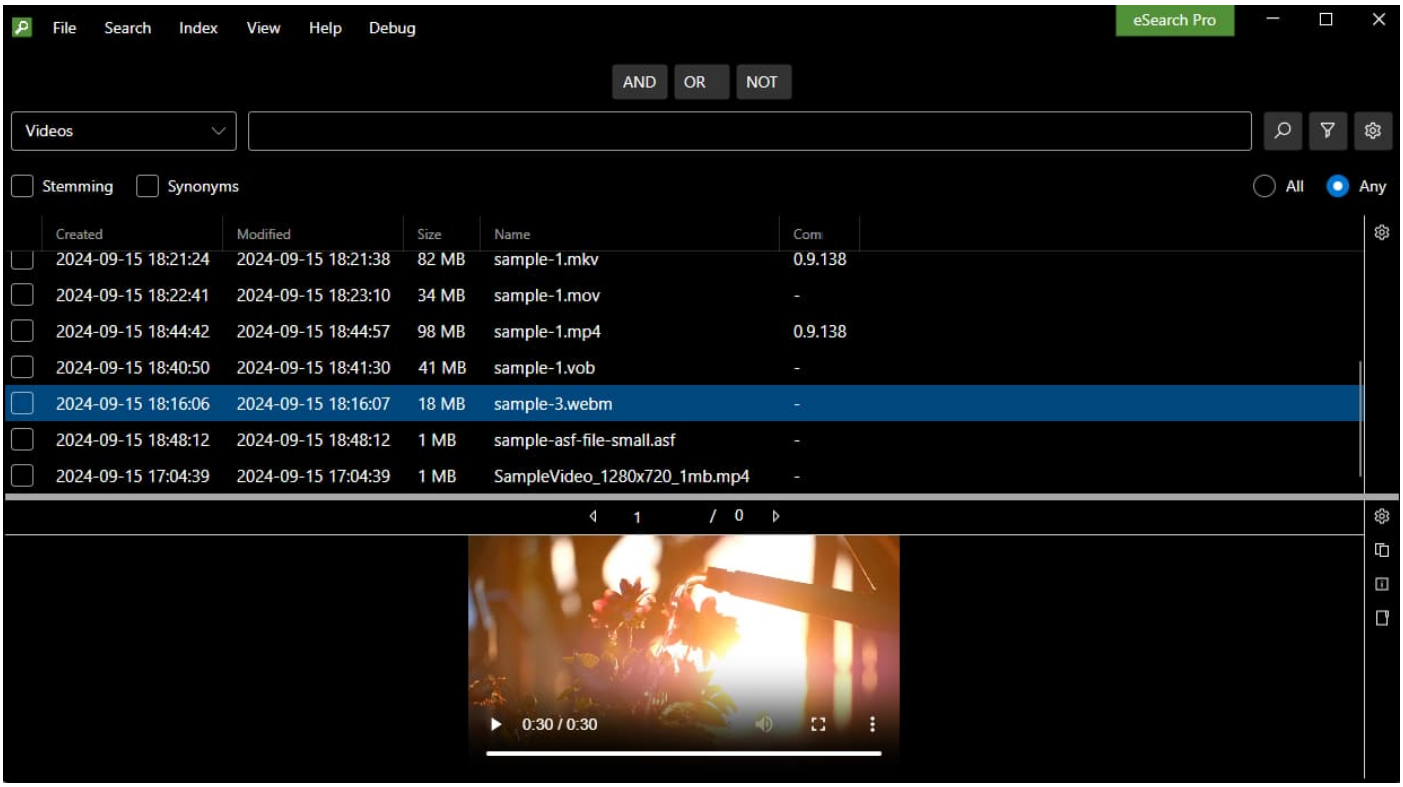


Click on the Map Pin button to view the location on a map.

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

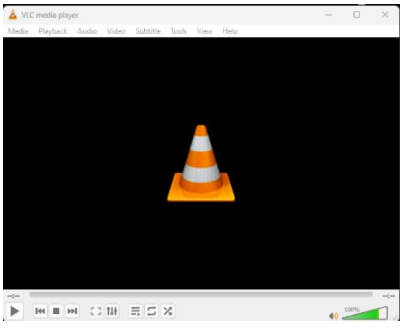


Web format audio and video container files, such as (.wav, .mp3, .mp4, .ogg, .webm), contain different audio and video codecs, not all of which may play in the viewer. For files that don't play in the viewer, we recommend installing VLC Media Player and click on 'View in folder'

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/

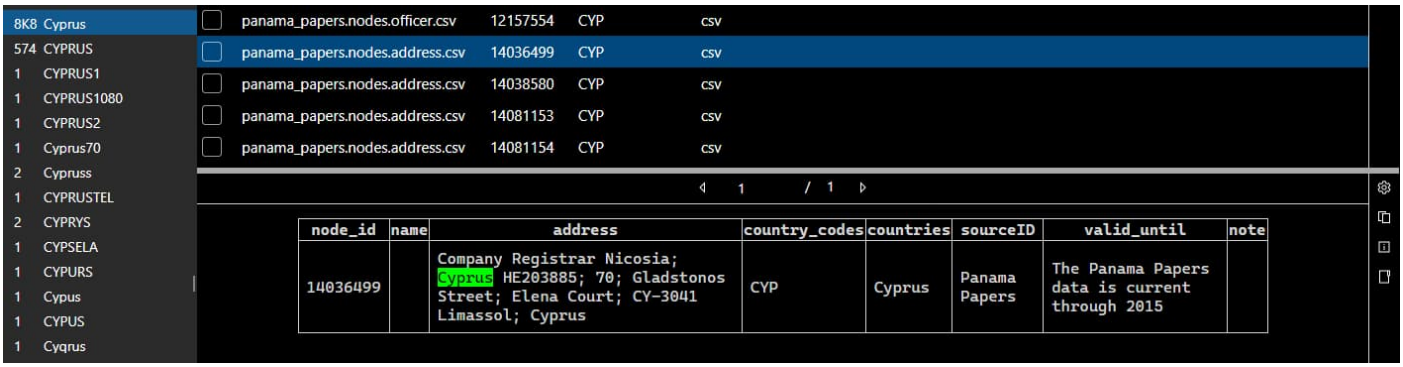
If your collection contains little meta data, use the default search setting to return all files in the index with an empty search query.

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.

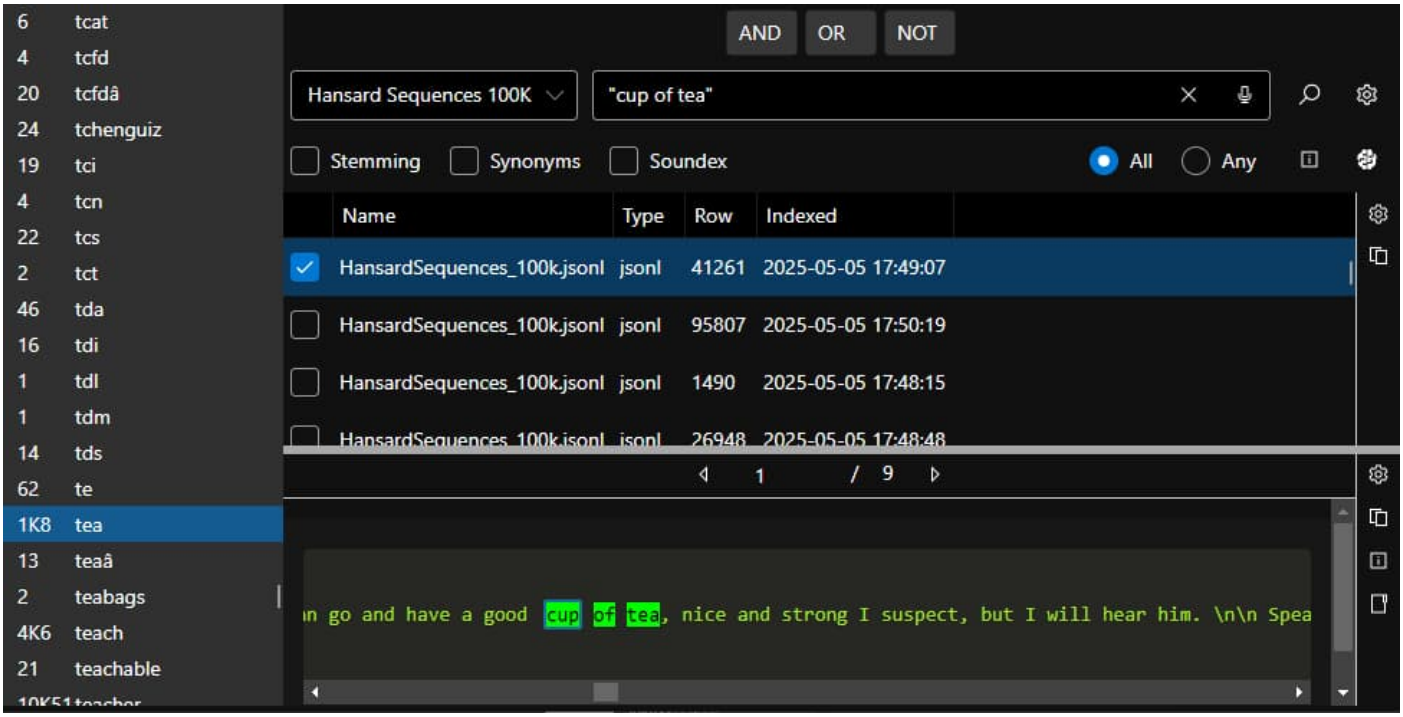


VLC Player can also be used for static image files.

Data files

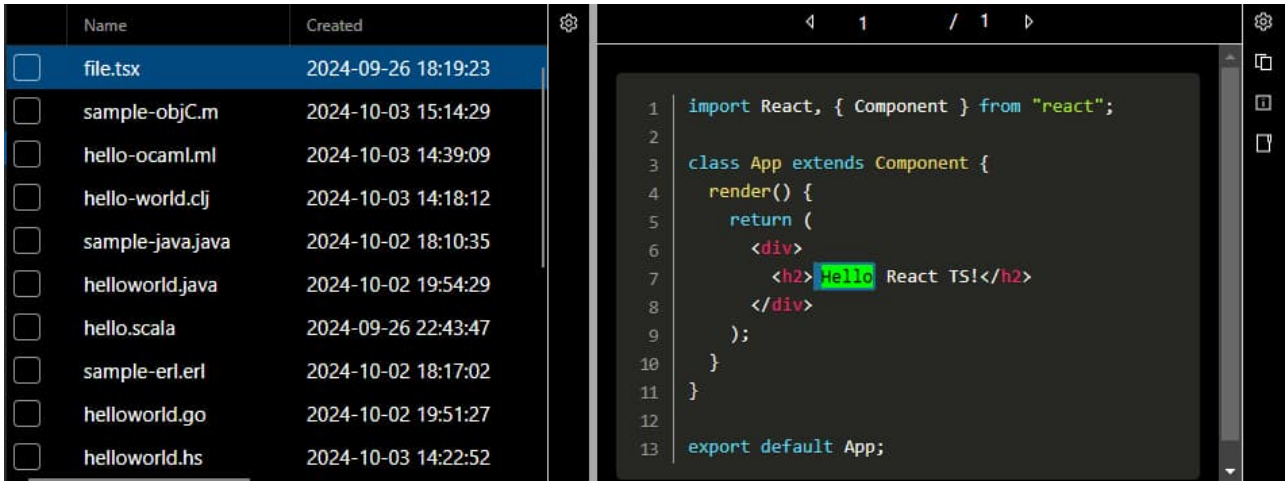


CSV and JSONL files are indexed as records, with table layout preserved and hits highlighted. Indexing is fast; over a million such records can be extracted from a zipped CSV and indexed in a minute on a modern PC.



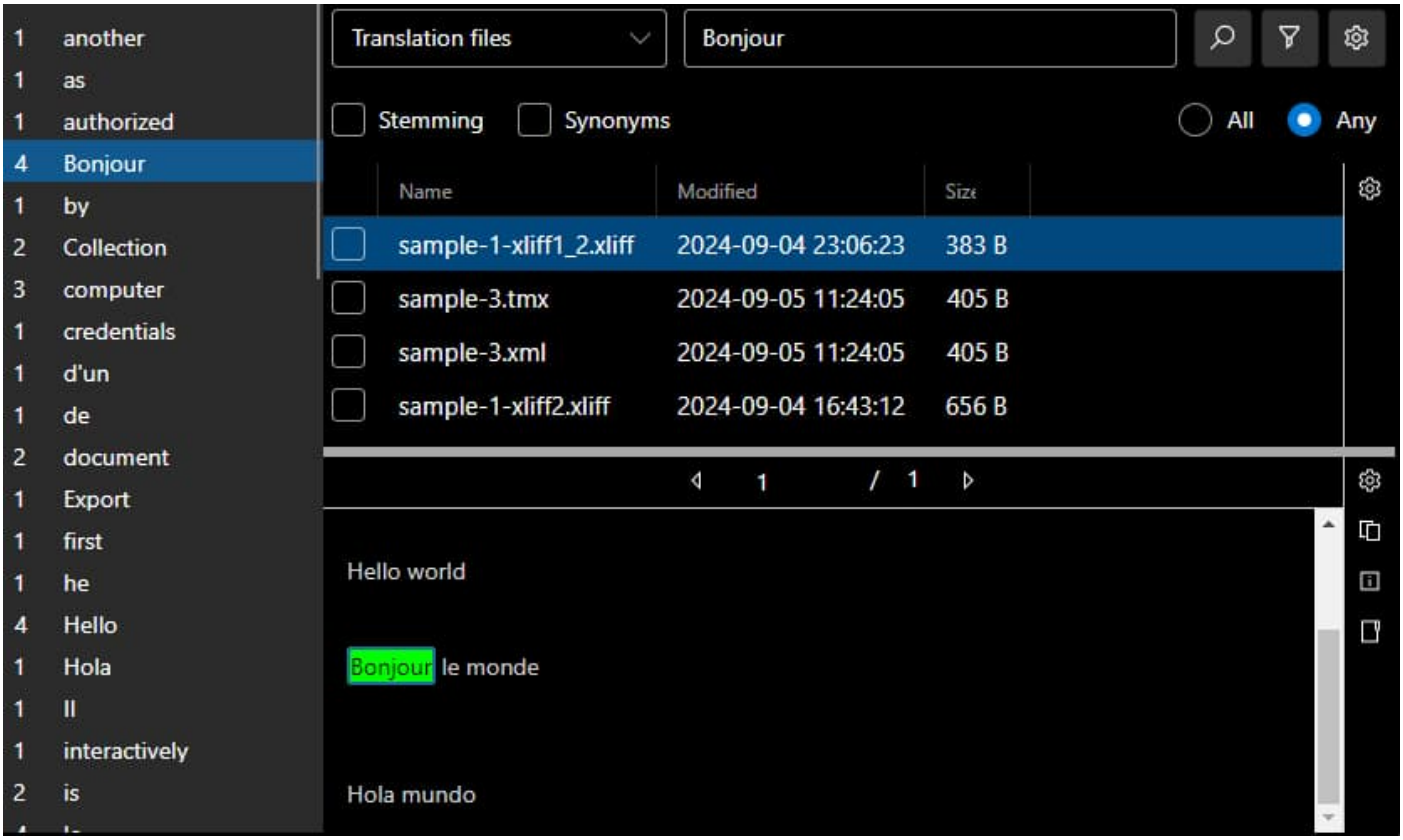
Showing 100,000 row JSONL file indexed with no stop words. Index time 2–3 minutes on a Windows 11 office PC with a single 12th gen Intel CPU with 32GB RAM. Hansard Sequences file is available here: https://github.com/stewhsource/GovernmentGPT/blob/main/README.md

Source Code files



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.

TARILIO 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. However, it will index CSV or JSONL formats with each record treated as a separate file.

The free GSplit 3.0 by G.D.G. Software SARL can be used for splitting translation industry XML formats.
https://www.gdgsoft.com/gsplit The UI is available in many languages.

Claude conversations

TARILIO can index the data you export from Claude, so you can search all your conversations, projects and memories at once and read them in the viewer.

Export your data from Claude

1. In Claude on the web or in Claude Desktop, go to Settings > Privacy and click Export data.
2. Claude emails a download link to your account's email address. The link expires after 24 hours.
3. Download the zip file and extract it to a folder, e.g. Documents\Claude-Export.

On a Team or Enterprise plan, an owner must first allow members to export their own data. Exports can't be made from the Claude iOS or Android apps.

Index the export

Choose Index > New…, enter a name and add the extracted folder. Make sure JSON files are included in the Filetype filter. TARILIO recognises Claude export files by their contents; other .json files are indexed as plain text as usual.

What you see

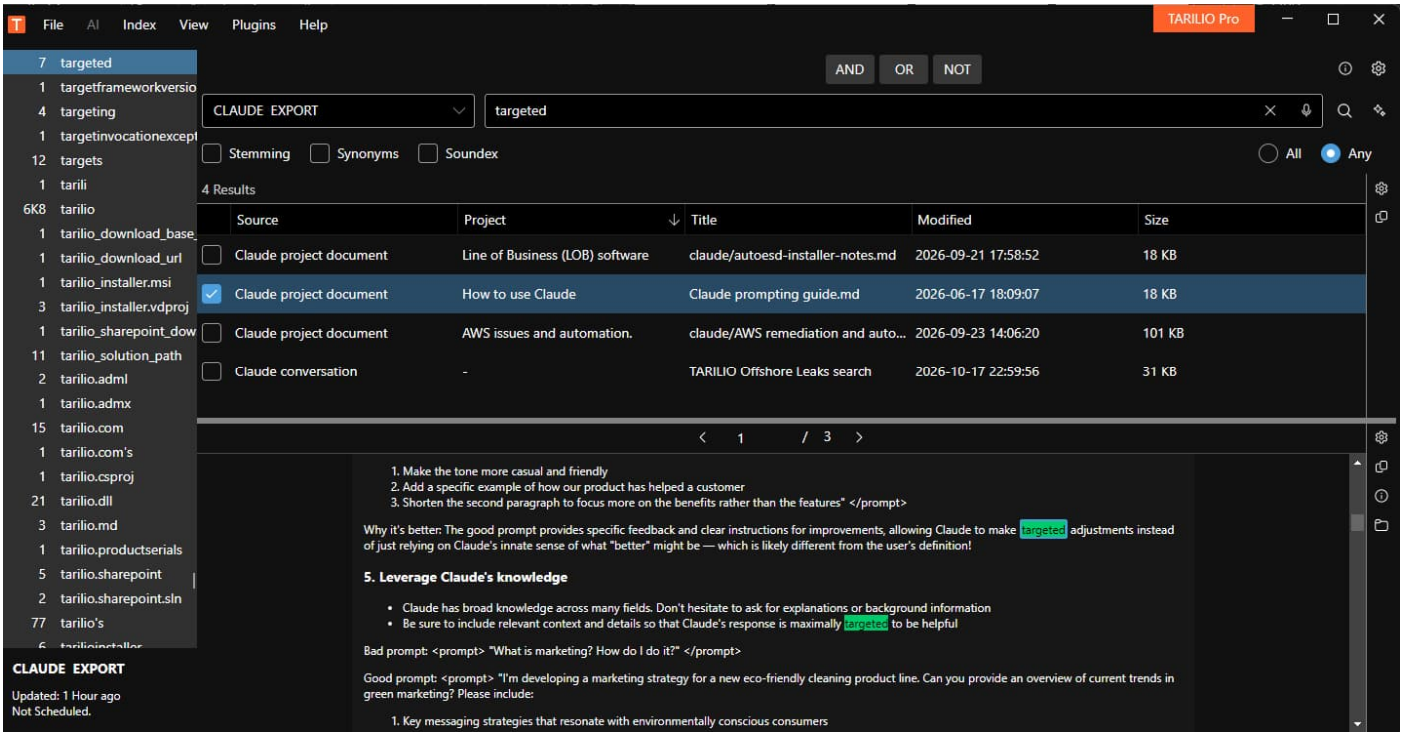
- Conversations: each conversation is a separate result, titled with its name and showing when it was created and last updated. The viewer shows Claude's summary, then each of your messages and Claude's replies with their times, and the names of any files and attachments.
- Projects: the project (description, instructions and list of documents) and each project document are separate results.
- Memories: Claude's memory, each project memory and each memory file are separate results.

Tool calls, Claude's thinking and other working are not indexed, so searches find what was actually said.

Add the Source, Messages and Project columns in Results Settings to sort conversations, projects and memories.

Shortcuts

- View in folder (F7) opens the selected conversation or project on claude.ai (you need to be signed in).
- Copy Results (F6) saves the selected conversations as Markdown (.md) files, with an export log.



Tips

- Start a new conversation in Claude for each topic. A long conversation that covers many topics is one large result, and harder to search.
- To add newer conversations, export your data again, replace the folder's contents and update the index.
- The export also contains zip copies of the same files. TARILIO doesn't unpack them when the extracted folder is beside them, so each conversation is indexed once.

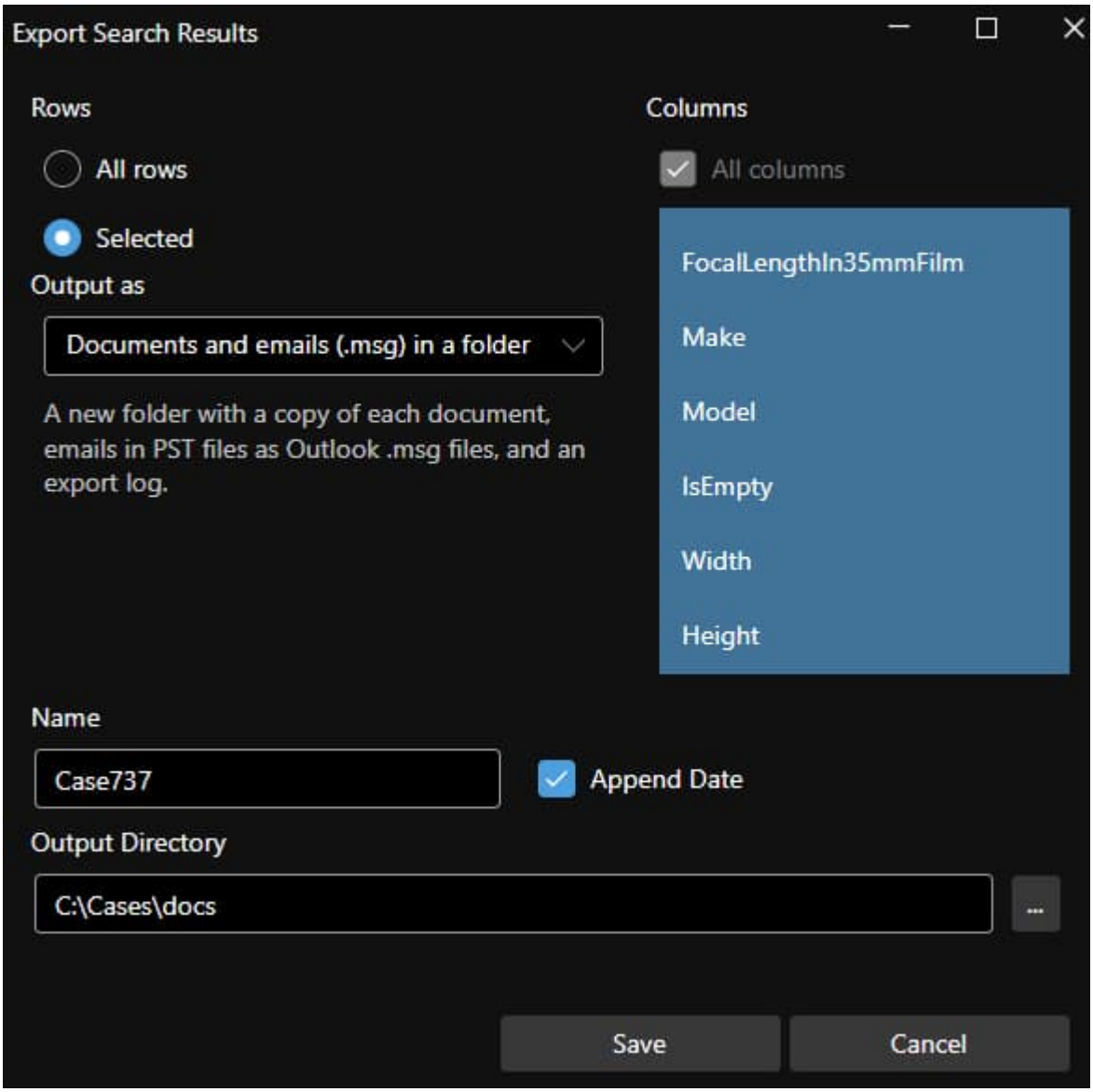
Export Search Results

Select the results to be exported, then click File > Export Search Results and click Rows – Selected or All Rows.

Select the type of format from the Output as drop down – XML, CSV or Tab separated txt file.

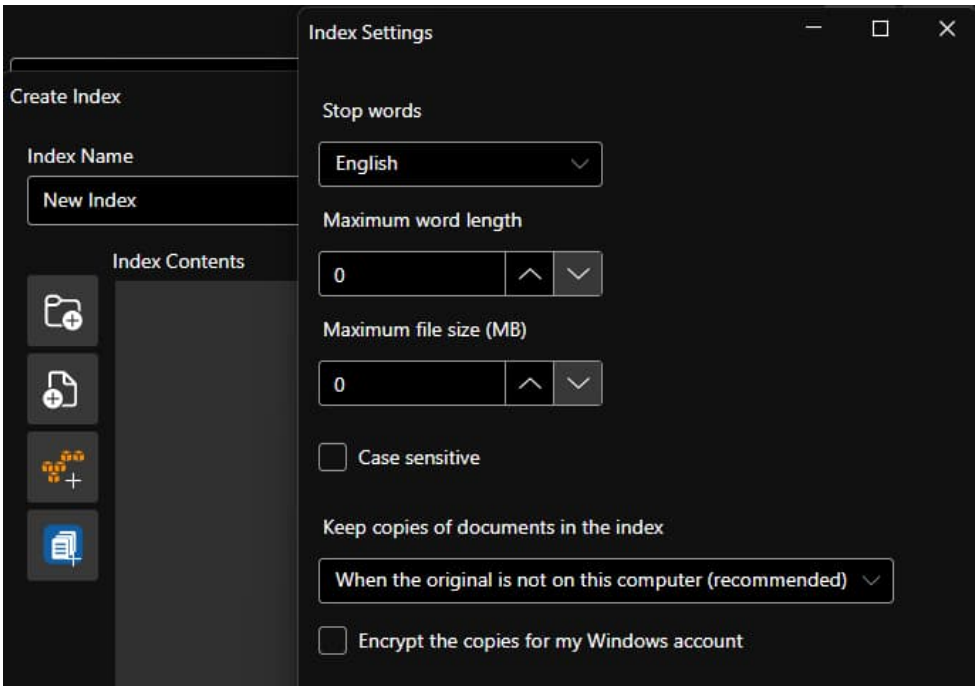
If your search is of PST or OST files, choose Documents and emails (.eml) or (.msg) format. This will allow you to save them in a new timestamped folder as .eml or .msg files along with an export log in csv format. The log will show details of each file exported along with a SHA-256 hash.

You can also press F6 to copy the selected documents to a folder; emails from PST/OST files are saved as .eml or .msg, whichever you last chose.



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\TARILIO\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.

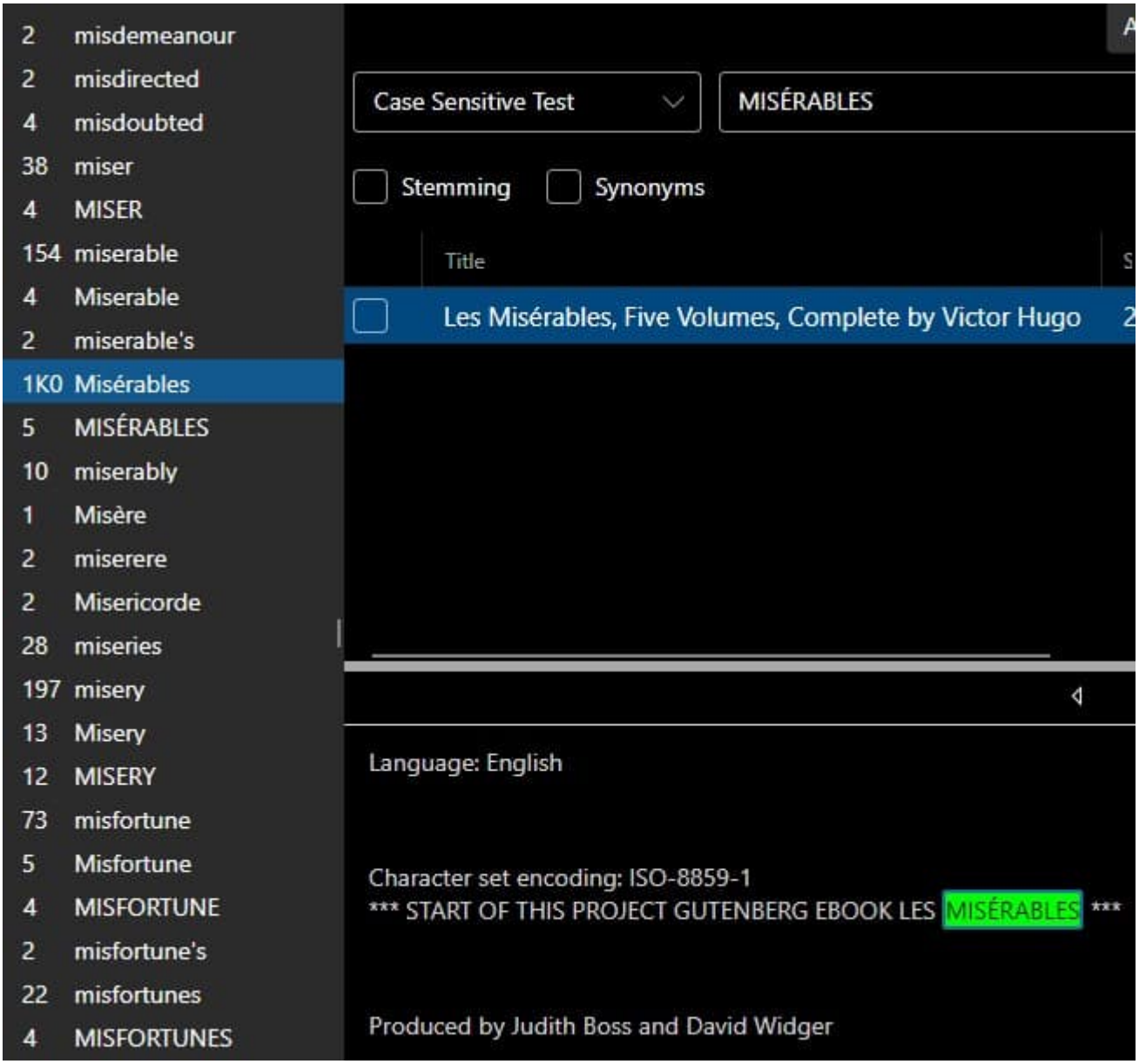
Maximum File Size

The default setting is 0MB, 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. Indexes will be larger with this option.

Note: Stemming should be disabled for case-sensitive searches.
In TARILIO, 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).



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

Keep copies of documents in the index

The choices are:

- When the original isn’t on this computer (the default)
- For every document
- Never.

There is also “Encrypt the copies for my Windows account”.

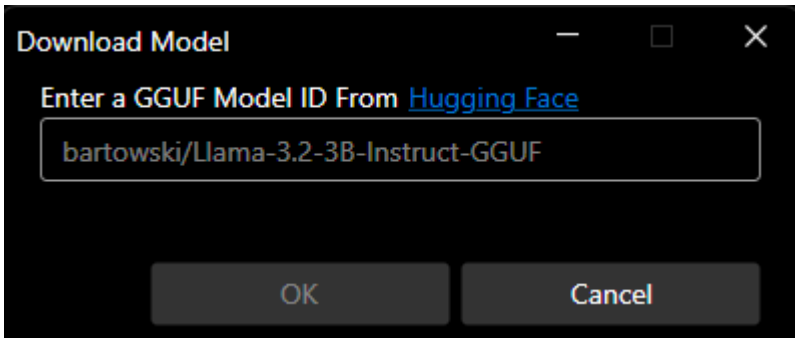
AI Mode

Download LLMs from Hugging Face

Sign up and create an account at https://huggingface.co.

From the AI menu, select Import LLMs…

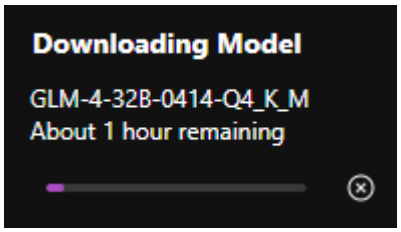
Click on the Hugging Face link, it will take you to trending Text Generation GGUF models.

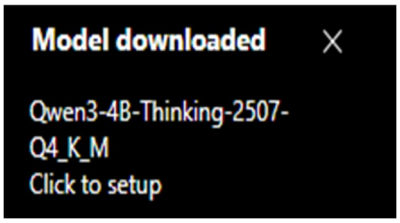


If you know what model you want, enter some text in the Filter at the top of the Hugging Face page to narrow the choice.

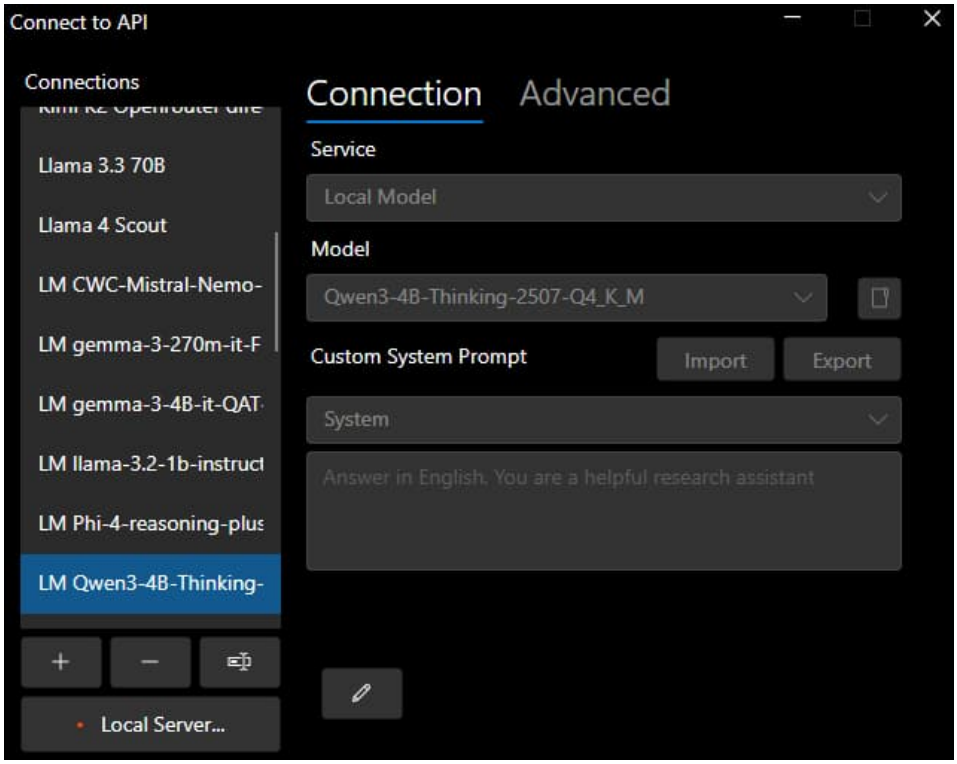
Copy the model ID complete with folder name and paste it into the textbox.

Click OK to begin the download…





'Click to setup' will take you to the connections window:



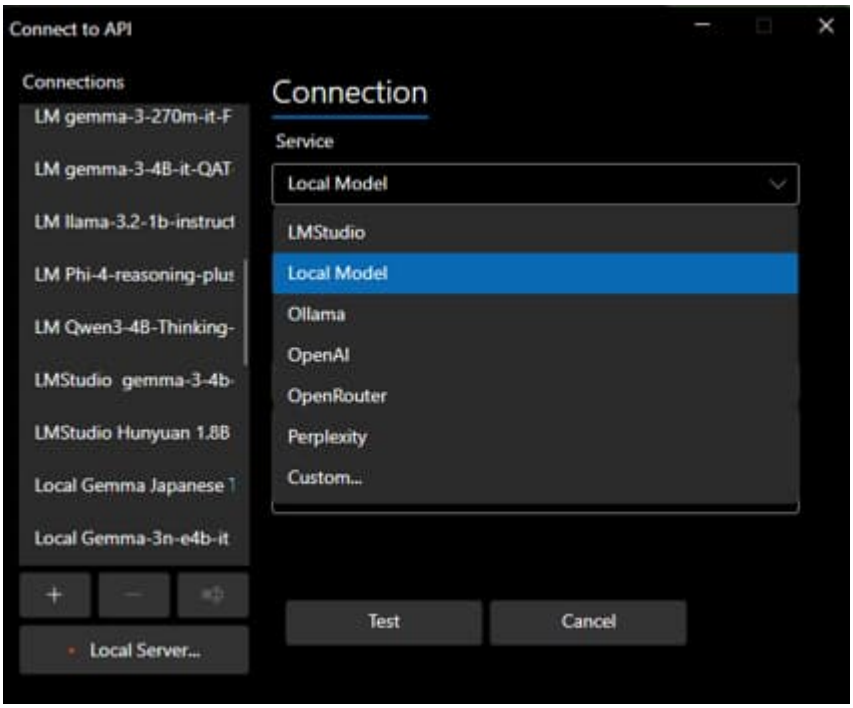
You can rename the model e.g. prepend LM to identify local models, edit or import a system prompt.

AI Mode – Local Models

Connection to AI Services is set up from the AI > AI Connections menu.

The AI Connections window lets you add (+) or remove (–) connections

After adding a new connection, you need to Rename it to identify services and models or associate them with projects or cases to control costs.



LM Studio and Ollama are other applications that run a local HTTP server to run LLMs installed on your local machine or network.

You can download the latest versions from:

https://lmstudio.ai/

or

https://ollama.com/

Select Local Model to set up and run any of the models that you download from Hugging Face. No API key is needed to run models locally.

You can also move or copy models previously downloaded by LM Studio.
e.g. from C:\Users\User\.lmstudio\models\lmstudio-community
to C:\Users\User\AppData\Roaming\TARILIO\AI\Language Models

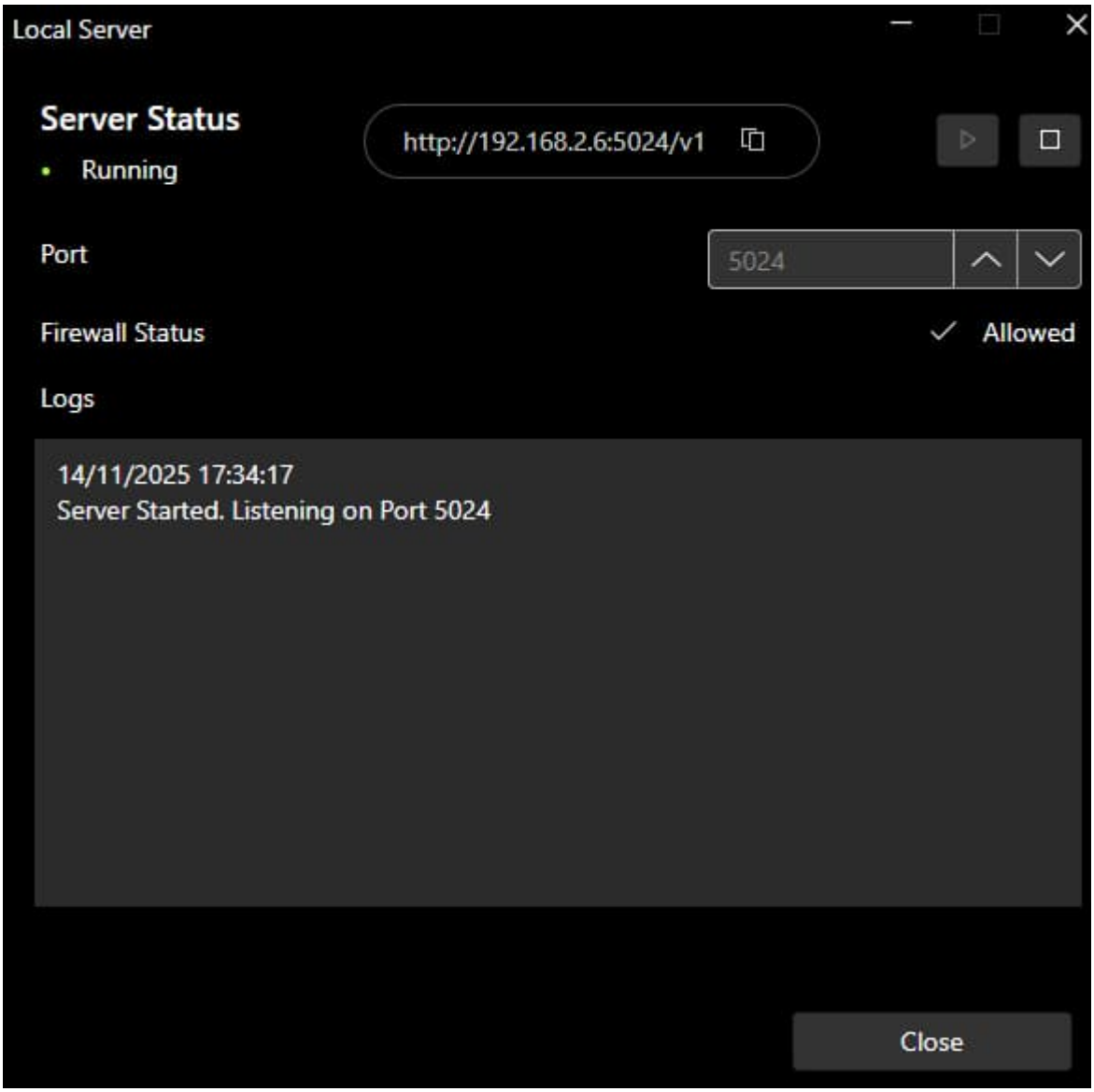
Duplicate connections

Right click on any model name in the connections list to create a duplicate connection, this is useful if you want to set up the same model with different advanced settings or different system prompt. Rename, so that you can distinguish between the duplicates.

Local Server

For use on a network, install TARILIO on the machine with the largest memory, preferably one with a GPU.

Click the Local Server… button and set the port before starting the server e.g. 5024 (default 5000).



You will get a firewall message to allow TARILIO to connect over the network. Edit in Windows Defender if necessary.

You can check the server is running by entering http://127.0.0.1:5024 in the browser on that machine.

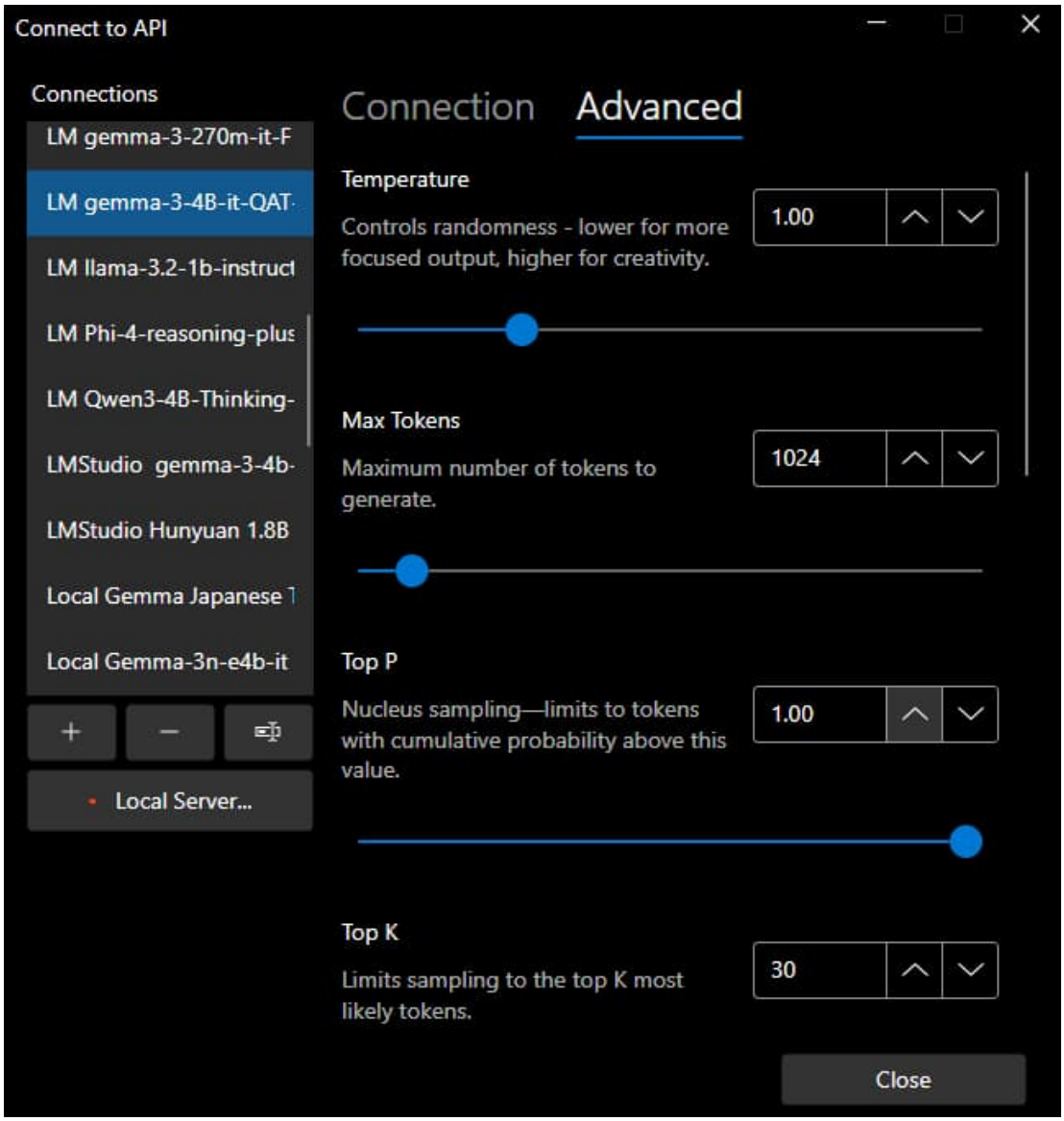
From any other machine on the network, install TARILIO and from the AI Connections window select Custom from the Service dropdown.

Set the URL and port to the same as the machine running the Local Server – as shown above this will be something like http://192.168.2.6:5024/v1

You can check the network connection by entering that same URL in the browser on the machine.

As an alternative, if you have Windows Defender Firewall with Advanced Security, you can allow access to just the port by selecting Advanced Settings, Inbound Rule, New Rule, Port, TCP (Choose Specific local ports and enter the port), Allow the Connection, Domain or Private or Public as needed, give it a name (TARILIO).

Local Models - Advanced Settings



You can fine tune how your local models behave by adjusting sampler settings. These are applied in a default order of penalties first (Penalty Count, Repeat Penalty, Frequency Penalty, Presence Penalty), Top K, Typical P, Top P, Min P, Temperature, and finally Seed. The order in which you adjust them has no effect on the order they will be applied.

You can also set the maximum number of tokens to generate, to limit how much memory will be used.

Further information:

- https://www.reddit.com/r/LocalLLaMA/comments/17vonjo/your_settings_are_probably_hurting_your_model_why/
- https://smcleod.net/2025/04/comprehensive-guide-to-llm-sampling-parameters/
- https://codeandcognition.substack.com/p/why-your-llm-output-feels-off-a-devs

Online Services

Unified services like Openrouter.ai allow access to hundreds of models – including free models – with a single API Key and with no subscription.

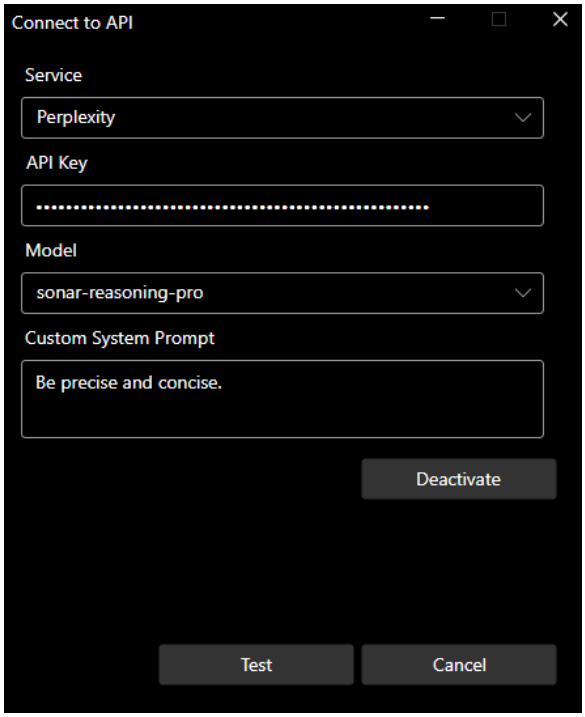
OpenAI will connect you to their GPT models. This is a pay-as-you-go service with various monthly subscription levels.

Other services may be added from time to time.

If you need assistance or would like to suggest other AI services, contact support @ electronart.co.uk

AI Mode – Perplexity Service

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, no paid subscription is required.
https://www.perplexity.ai/settings/api

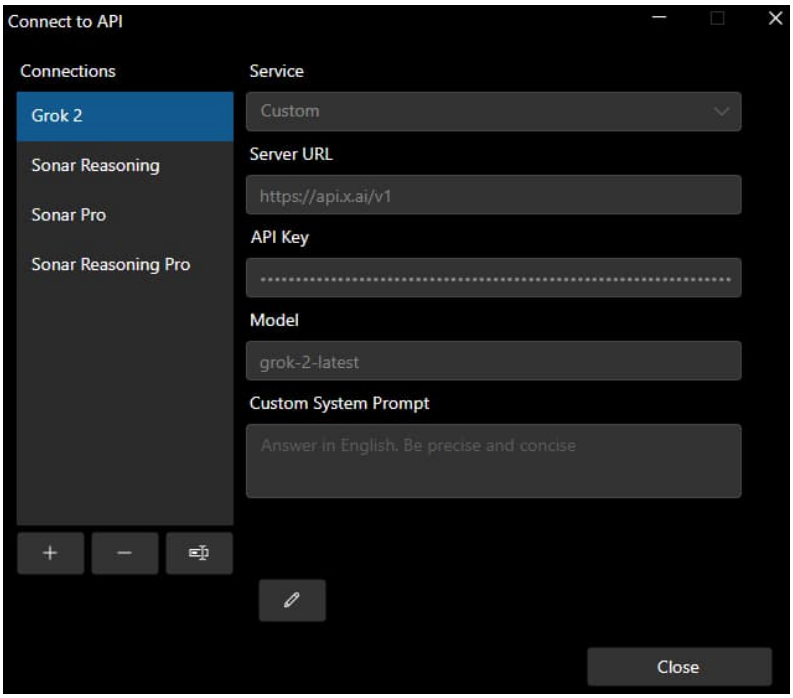
Select the Perplexity Model, enter your API-key, Press Test to check the connection.

Click on the AI Mode button to toggle between Search and AI mode.

The suggested question stems in the word list boost your productivity. 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.

AI – Connecting to Custom APIs

From the Service drop-down list, select 'Custom' to connect to any OpenAI-Compatible service, either a local LLM or an online LLM API provider. You can also enter a system prompt to meet your organization's exact search needs.

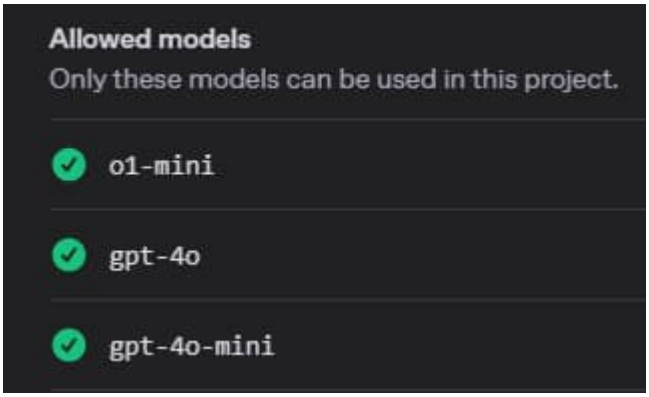


Setup allows you to add (+) or Remove (–) connections.

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.

Locally run LLMs have several advantages:

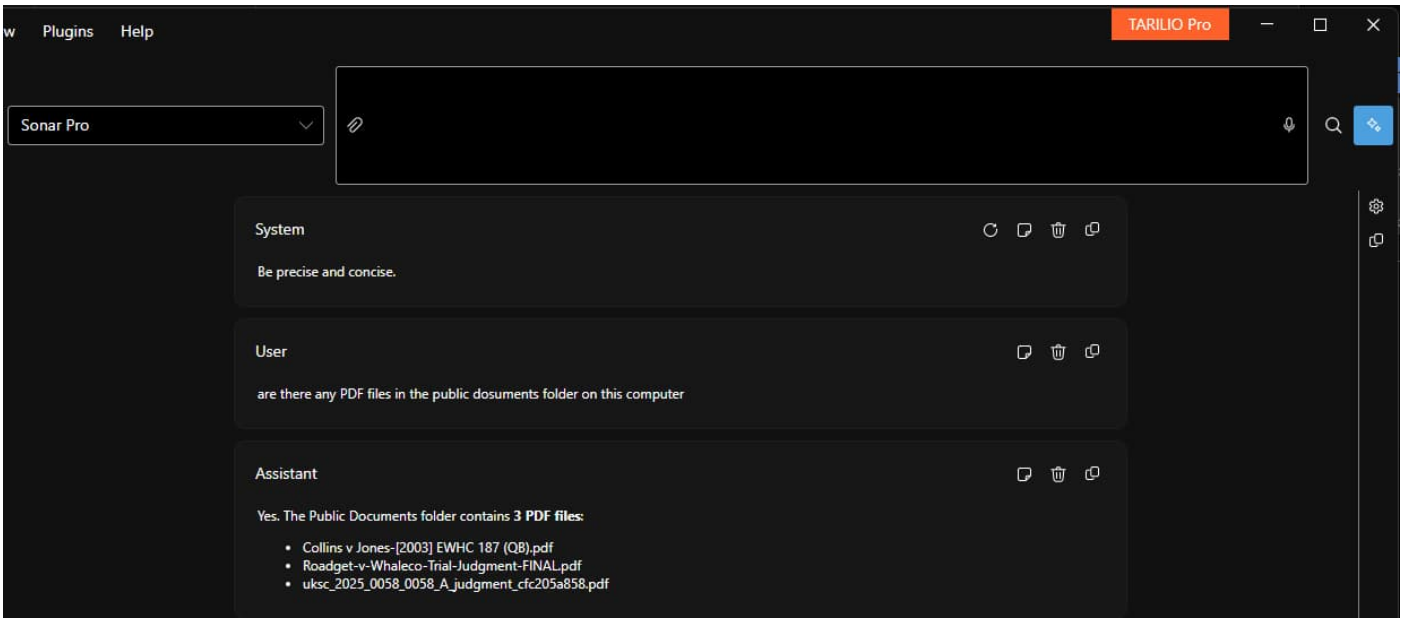
- They are free, there is no need to pay subscriptions or usage charges.
- Security and privacy concerns such as keeping your queries and outputs within your organisation.
- Access to uncensored or fine-tuned domain specific models.

It is possible to locally run quantized versions even on machines with a single CPU or modest GPU. For more information see the Support Articles

Usage of AI Models

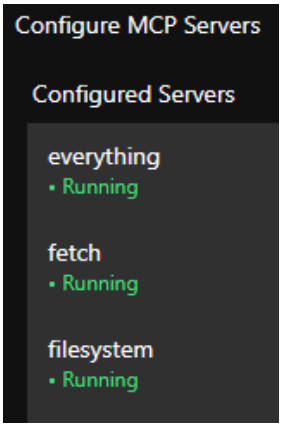
When you click on the AI mode button it will toggle between search mode and AI mode, ready to start a new multi-turn conversation. The button will be highlighted – in blue on image below – to indicate AI mode.

Select the model/service from the drop-down as shown in the image below.



Above shows a multi-part conversation with a free locally hosted LLM.

The image above shows the Sonar Pro LLM using installed MCP servers without instructions to select a specific tool to find files in the public documents folder on the local machine, several tools were available.



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.

Non-reasoning models will usually give faster answers.

Note: The prompt will be saved to the clipboard when you select another model. This can be helpful for comparing the response of models.

From the task bar on the right, you can select:

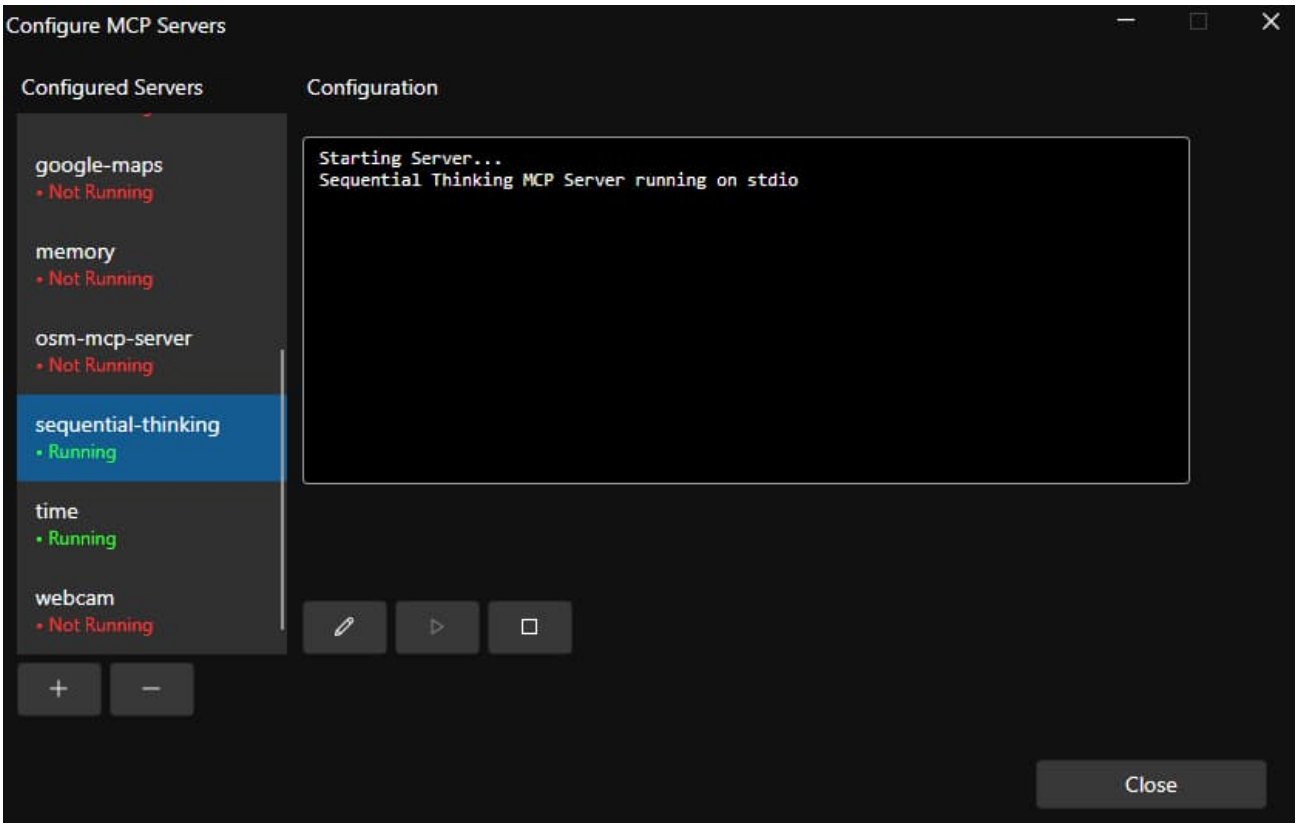
- Viewer Settings to change the font and size of the text.
- Copy Conversation to quickly save conversations in text format.

From the AI menu you can also select Export Conversation, this offers a choice of .econvo, .csv or .json file formats.

.econvo and .csv display columns for Model, Started, Machine, User, etc. .econvo is a whole conversation in a single file, .csv splits the conversation into separate rows for each message (system, user, assistant). For more information on AI mode see the Support Articles.

MCP Client

From the AI menu select MCP Servers. This provides Tools for the LLM. Not all LLMs support Tools, you may need to stop all MCP Servers with some LLMs.

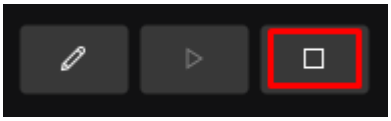


Select + to add a new server. Copy the MCP server configuration (usually published with an MCP server) and paste it in the Configuration window.

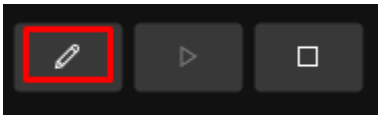
Select run

After a short while it will display that it is running.

It is best to have only one or two servers running at once. Stop any unwanted servers.



If an error occurs you may need to edit the configuration, some MCP servers need you to enter paths to folders, or API keys.



TARILIO Portable – Forensics

TARILIO 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, it has a 4GB size limit and 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.

TARILIO Portable – TARILIO Publish

If you want to index and search files on a USB drive, using TARILIO Portable 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 TARILIO 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.

Publishing

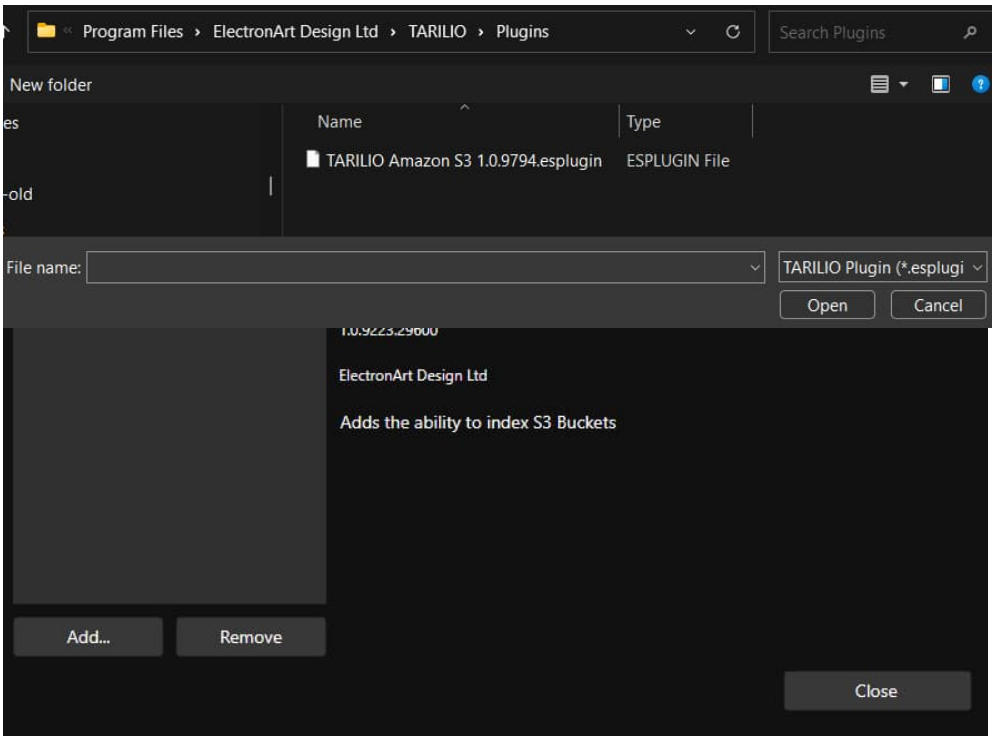
If you want to make multiple copies for distribution to others (to search only the documents on the USB flash drive with no expiry) please contact us so that we can issue the required TARILIO Publish license and serial number to enable that functionality. (This requires a TARILIO Pro Portable version to create the master copy).

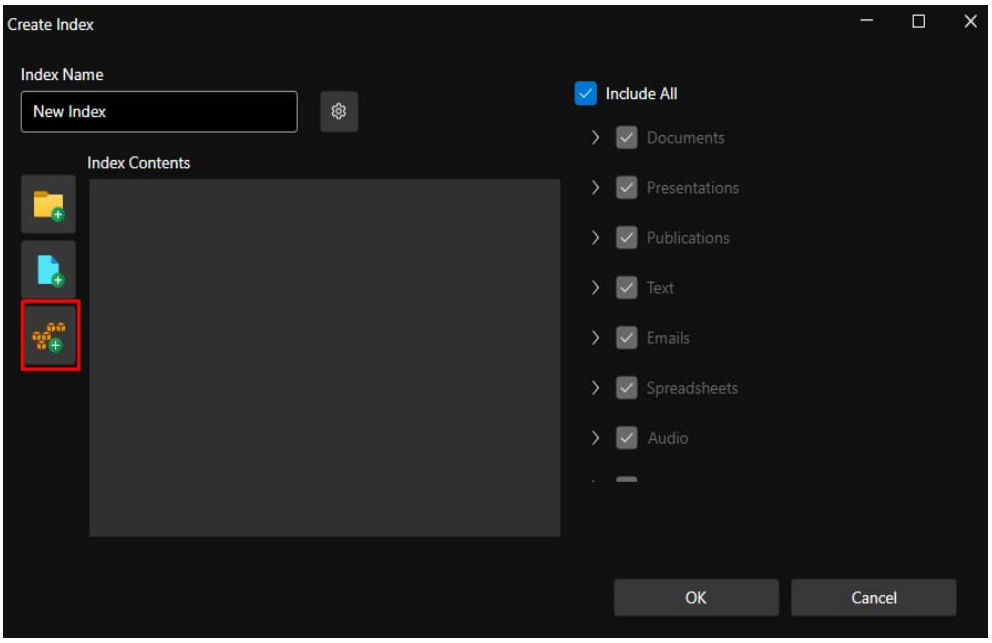
It is possible to distribute a searchable collection of documents and images within an organization or to clients (e.g., accounts, reports, project data, legal documents, ‘e-Bibles’) either freely or for sale. We offer one-time or annual licenses. Please contact us with your requirements.

Plugins

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

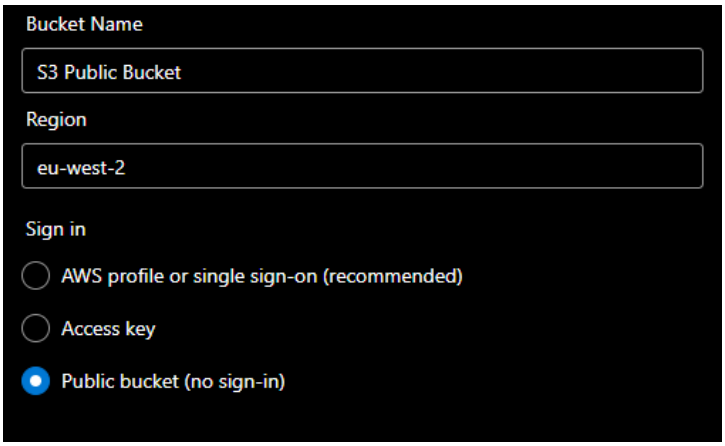
A plugin that can index files on an Amazon Web Services (AWS) S3 store is included free of charge. Click on the Plugins menu, press the Add… button, select the plugin file and click Open.





The plugin will appear on the Plugins list.

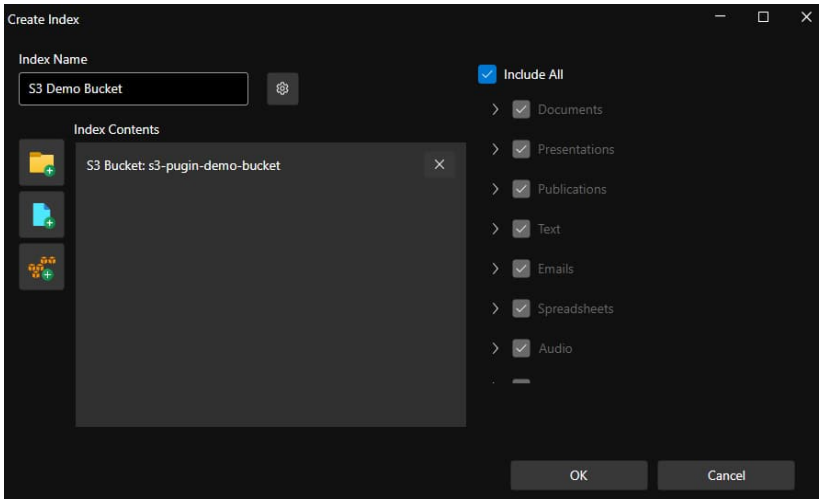
Click on the Index > New… menu, the Create Index window will appear. Click on the new button (outlined in red in the image above).



If the Bucket Name and Region contain details for a public 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:

- Enter the Bucket Name and Region.
- Select the sign-in method and enter the details.
- Press OK.

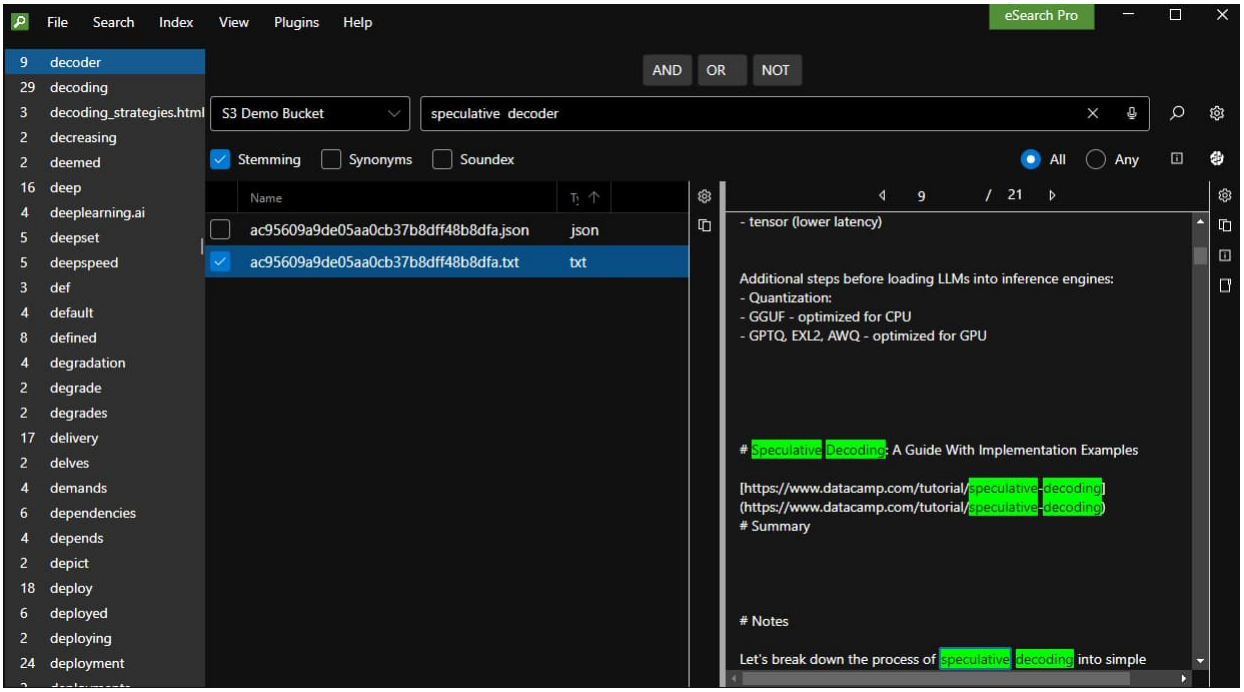


Edit the Index Name to 'S3 Demo Bucket' for example.

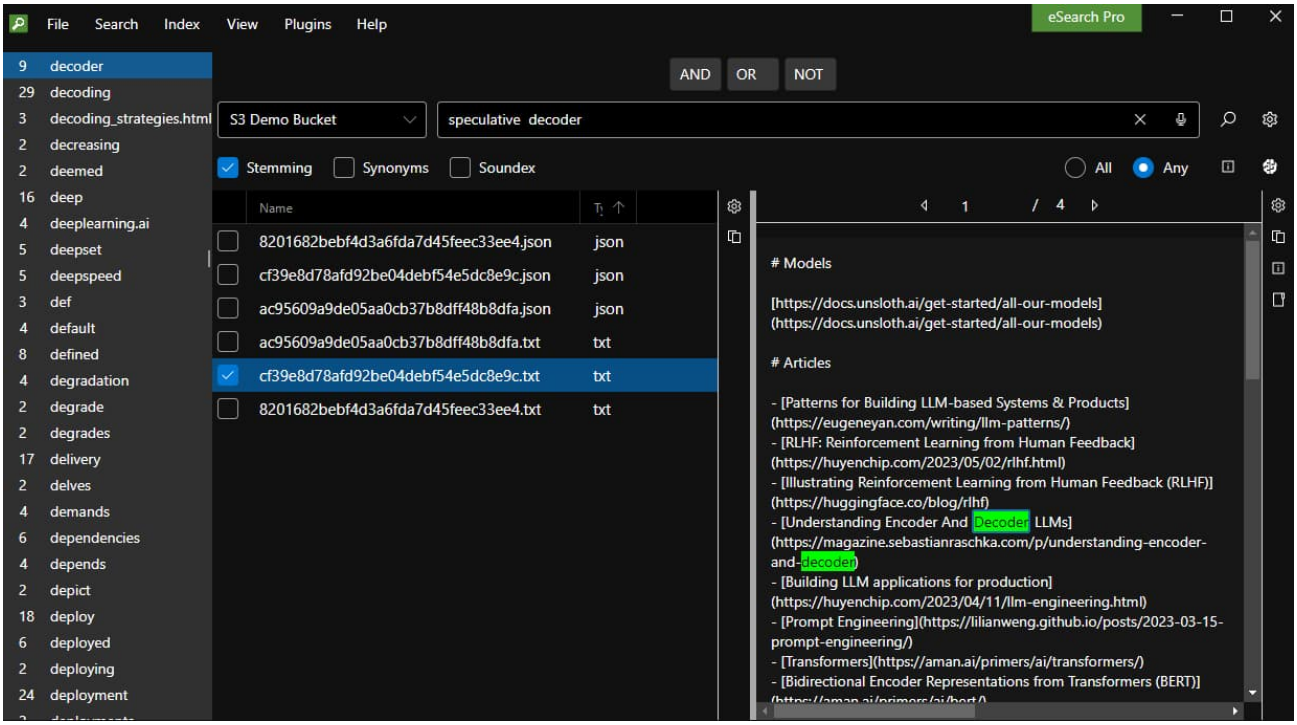
Press OK.

The new index will be created, 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 decod*ing*.
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

How to install other plugins:

1 Download the plugin file to a folder on your local file system and unzip using the password supplied in the accompanying download.

2 Click on the msi file to install.

3 Open TARILIO and click on the Plugins menu, press the Add… button. Select the new plugin file and click Open.

Plugins sold separately, such as the SharePoint Online connector, come with their own User and IT Administrator Guide. Read it before installing.

Keyboard Shortcuts

Online Help – F1 key.
Copy Results – F6 key.
View in folder – F7 key

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

Ctrl + Shift + V to toggle voice input.

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.

Use Spacebar to check or uncheck a result row.

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. With a very large result list it may take a short while to complete.

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.

Translation

View menu

On initial install the User Interface (UI) Language is set to Automatic and follows the Windows language, falling back to English if no .lang file matches the Windows language. The menu offers Automatic, English and From File…. The UI language changes instantly, no need to restart!

Language File Editor

Our aim is to make TARILIO available in many languages. As of October 2026 we provide full UI translations* for English, Arabic, Chinese, Danish, Dutch, French (FR/CA), German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Turkish, Ukrainian.

*These are careful automatic translations that follow each language's Windows conventions, but they are unreviewed.

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 open-source Language File Editor to make translation quick and error-free! Download from: https://github.com/electronart-design/Language_File_Editor

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

Privacy Notice

TARILIO does not send usage data, searches, document content or information about your computer to ElectronArt Design Ltd or anyone else. Your serial number is checked on your computer, without contacting us.

Your documents and indexes stay where you keep them unless you choose to use AI features:

- AI Mode with an online service sends your questions, and the search results and document text used to answer them, to the service you set up. Local models run on your computer and send nothing.
- A connected AI app such as Claude Desktop can search your indexes and read documents in them and passes what it reads to its AI provider.

These services are provided by third parties under their own terms. You decide what is sent to them and are responsible for your obligations, including under data protection law, when doing so.

Administrators can restrict or turn off these features with policies.

Registration

Register your email address when you download TARILIO to be eligible for offers or for technical support.

30-day Evaluation

Use TARILIO PRO without a serial key for 30-day evaluation. After 30-days it will revert to TARILIO Lite.

TARILIO Lite

Free for private non-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 the user guides.

TARILIO PRO

For private or commercial use. If you have purchased a TARILIO PRO license, enter the serial number to remove any limits and gain access to support and updates. To enter the serial number: go to Help menu > About > Serial… TARILIO PRO versions require an annual subscription and revert to Lite if not renewed after one year.

The TARILIO Pro 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. See SearchCloudOne.com for more information and pricing

TARILIO Publish licenses are for distributing search-only libraries to others, with no expiry.

Support

TARILIO PRO versions: 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 https://SearchCloudOne.com or email support @ electronart.co.uk.

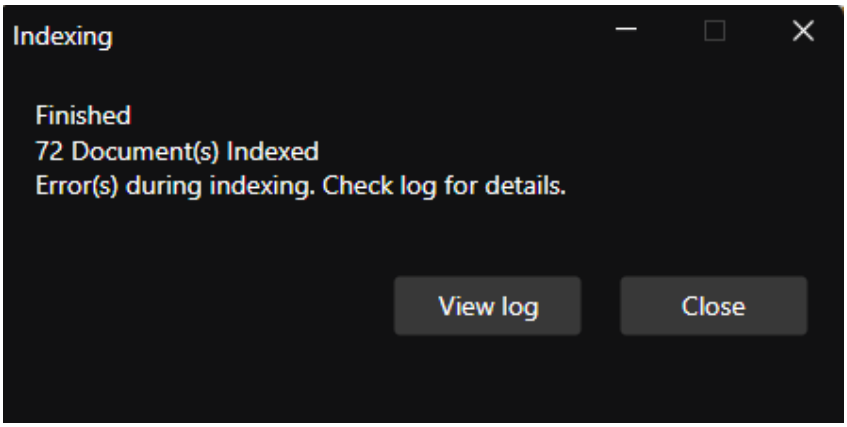
Support Articles can be found here:
https://searchcloudone.com/tarilio-support-articles/

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.

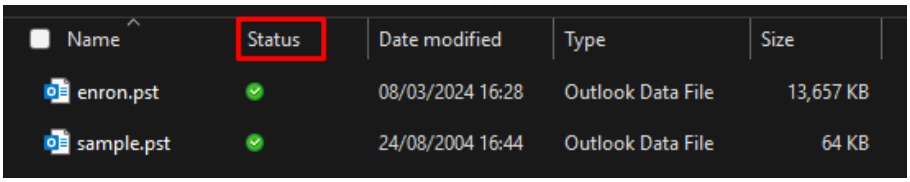
If you experience problems, please describe the steps to recreate the issue, along with brief details of your computer hardware, operating system, and any specific file type causing the problem. Screenshots may help us understand the issue.

Error Log



During indexing, a log file is 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.



OneDrive
Ensure that Status is synchronized to ensure proper indexing.

Known Issues

Viewer Settings

View Large Files:

For large (except CSV or JSONL) files, such as 160MB Reuters headlines (TREC data), TARILIO can take several seconds to respond. TIP: Choose “Beginning only” or “Report View” for big files.

“Beginning only” shows about the first 200,000 characters, click on View in folder to see the rest.

Large (multi-gigabyte) CSV or JSONL, and large Claude Exported JSON files are indexed as separate records and are handled without issues.

Hit count navigation

TARILIO 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 seconds or more, depending on the document and the machine.

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 @ electronart.co.uk.

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.
High Contrast setting follows Windows' contrast setting automatically.
Colour contrast meets WCAG 2.2 AA, and AAA in High Contrast

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

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

File menu > Launch at Start-up option ensures TARILIO is ready and waiting for your daily tasks.

Command Line options

-s	Disable Index menu.
-a	Disable AI Mode.
-x	Disable AI > AI Connections menu
--scheduled <index id>	Runs a scheduled index update headless
--mcp	Runs the AI connector for external AI apps
--firewall-add-exception	Firewall rule for the local AI server
-forceCPU	Runs local AI models on the CPU only

User Guide Issue 45 – 4 Nov 2026

An IT Administrator Guide is also available

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