



HoudahSpot 4 User Guide

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1. Introduction

HoudahSpot is a powerful file search utility. It builds upon the existing [Spotlight engine](#). This allows for fast searches without the need for another index. HoudahSpot works both as an everyday replacement to the default Spotlight interface and as a power search tool.

HoudahSpot makes it easy to create queries and narrow down the search to get to the files you are looking for: Find files by name, text, kind, date, tags, pixel count, author, recipient, etc. There is a myriad of criteria, which can be combined into groups (“NONE/ALL/ANY of the following are true”). You can search several locations at once, as well as exclude others.

HoudahSpot works at your pace: Set up your search. Click the start button. Only then will HoudahSpot get busy gathering results.

Exploring results is easy: You may add any number of columns to the results list. Sort by these columns. Examine the result files by previewing text content, file metadata or by using the Quick Look feature.

With HoudahSpot, you can find files you forgot you had: pictures that pre-date iPhoto, MP3 files you never put into iTunes, data you carried over from your previous Mac and never bothered to sort into your new folder structure. By combining modification date, file type, and location criteria, such files are finally within reach.

2. HoudahSpot and the Spotlight Index

HoudahSpot builds upon Spotlight, which comes preinstalled with OS X. With HoudahSpot, there is no need to build an additional index.

The Spotlight index gets its information from Spotlight plug-ins. For standard file formats, these plug-ins are provided by Apple. Third party developers need to provide their own Spotlight plug-ins if they want their proprietary file formats to be read by Spotlight. Developers are free to decide what information to share with Spotlight and how to label it; e.g., one mail client may store the sender’s name as “author” while the other labels it “sender”.

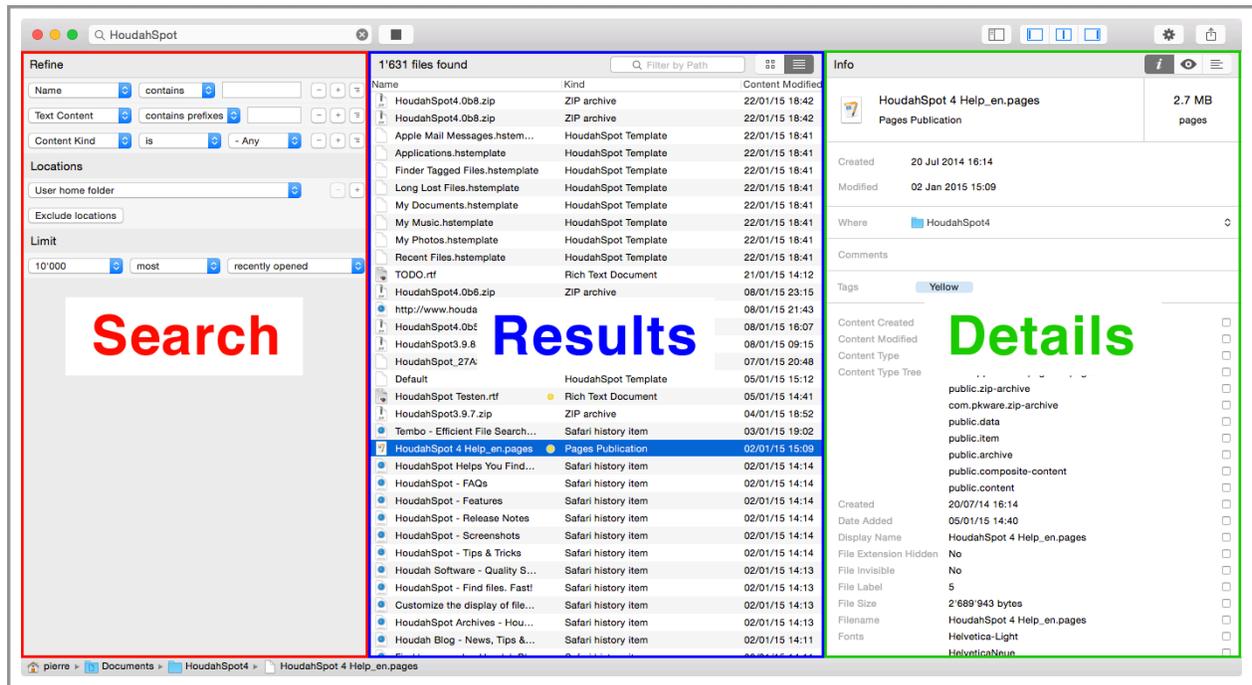
Therefore, which files HoudahSpot can find and the information that it can display depends on the applications you have installed and their respective Spotlight plug-ins.

You can use the [Info pane](#) in HoudahSpot to see which metadata has been recorded for a given file, e.g. what information is available for messages from your mail client.

3. Workflow

The descriptions and instructions in this chapter assume that you have not made any adjustments to the default setup.

HoudahSpot opens to a new search document consisting of three panes: Search, Results & Details.



The Search and the Details panes can be hidden using commands from the [View](#) menu.

3.1. The Search Field

You can start a search by entering search terms into the search field in the window's toolbar.



HoudahSpot will search for files where all the search terms entered can be found anywhere in name, content or other metadata.

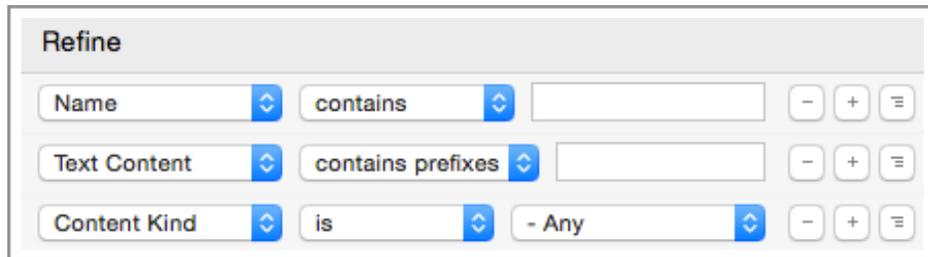
You may start the search now by clicking the start button to the right. Alternatively, you may continue to [refine your search](#) by adding criteria in the Search pane and by specifying [search locations](#) before you hit the start button.

The search field can also be used to formulate [more complex searches](#).

3.2. Refine Search

Below the search field, you will find the “refine search” area with criteria rows. This section allows you to narrow down the search. Criteria rows are typically made of three items:

- To the left is the **criteria attribute** pop-up menu (e.g. Name, Text Content)
- This is usually followed by an **operator** pop-up menu (e.g. contains, is)
- Last is the **criteria value**. This may show as text field, pop-up menu or date picker



The screenshot shows a 'Refine' search panel with three criteria rows. Each row consists of a criteria attribute dropdown, an operator dropdown, and a criteria value field. The first row has 'Name' as the attribute, 'contains' as the operator, and an empty text field. The second row has 'Text Content' as the attribute, 'contains prefixes' as the operator, and an empty text field. The third row has 'Content Kind' as the attribute, 'is' as the operator, and '- Any' as the value. To the right of each row are three buttons: a minus sign, a plus sign, and a menu icon.

The “-” and “+” buttons to the right will add or delete criteria rows. The last button creates a [criteria group](#). Criteria rows can be rearranged by drag-and-drop. Hold the Option key while you click to grab the criteria rows more easily.



The Search pane may be hidden by clicking the respective view selector button in the toolbar or by using commands from the [View](#) menu. There, you can also opt for the Search pane to hide automatically after clicking the start button and to show automatically after clicking the stop button.

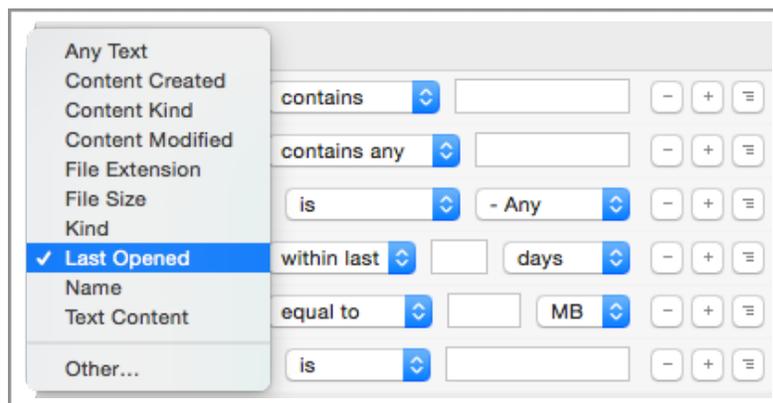


3.2.1. Criteria Attributes

The Refine section is preconfigured with the following criteria attributes:

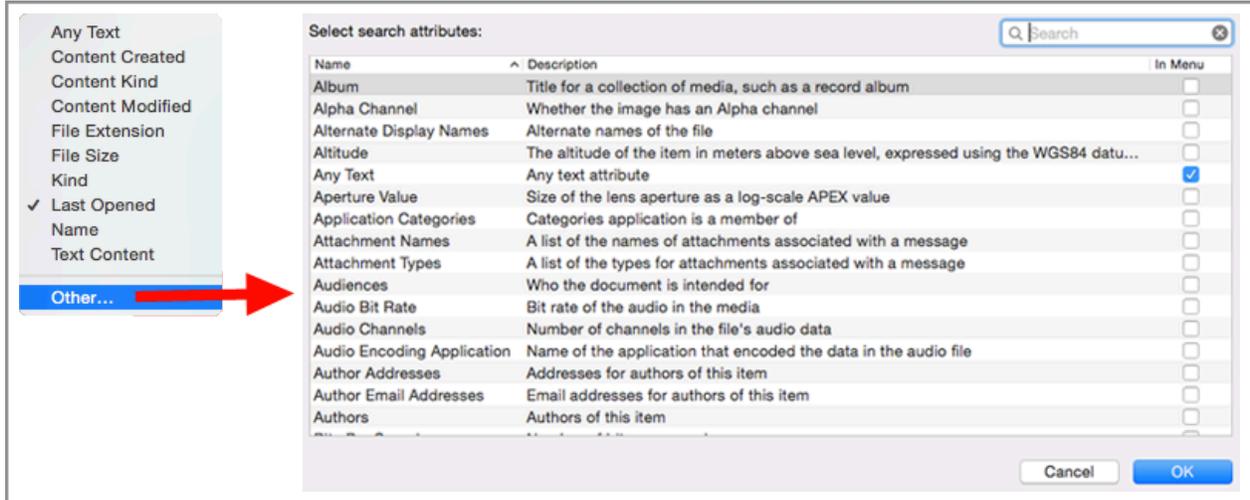
- Name: Matches files by Display Names and Alternate Display Names
- Text Content: Matches files by indexed text content
- Content Kind: Matches files by type

Use the pop-up menu to get access to additional attributes.



The screenshot shows a pop-up menu for criteria attributes. The menu is open, showing a list of attributes: Any Text, Content Created, Content Kind, Content Modified, File Extension, File Size, Kind, Last Opened (checked), Name, Text Content, and Other... The 'Last Opened' attribute is highlighted with a blue bar. The background shows the 'Refine' search panel with the same three criteria rows as in the previous screenshot.

Choose “Other ...” to get a list of all criteria attributes available.



To add an attribute from the list to the pop-up menu, double click the row. Or check the “In Menu” option to add an attribute without immediately using it. The attribute will be added to every pop-up menu of your current search document. To delete the attribute from the list, untick the checkbox.

If you want the attribute to show up in the pop-up menu of every new search document, use the “[Save as Default](#)” command from the File menu.

HoudahSpot relies on Spotlight to find files by properties and metadata. The values of these attributes are provided by the file system and by third party [Spotlight plug-ins](#).

Criteria are active only when they have been given a value. Thus, you may safely do a search on file name by only filling in the matching field. Other criteria are ignored. There is no harm in leaving blank criteria in place.

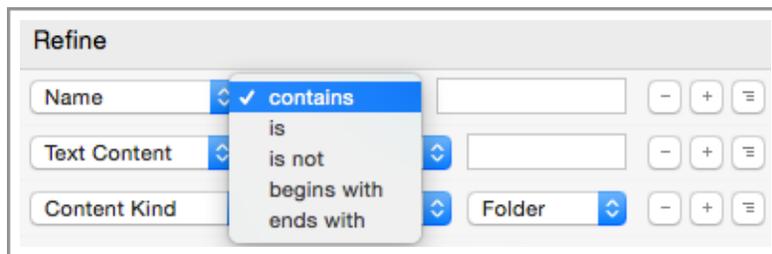
3.2.1.1. “Name”

HoudahSpot's “Name” attribute is a combination of two Spotlight attributes: It searches both “Display Name” and “Alternate Display Names”.

The “Display Name” is typically the same as the file's name or name without extension.

But: “Display Names” may differ from actual file names. One notable example is Apple Mail. It saves messages in numbered .eml files. The message subject is stored as “Display Name” with Spotlight. E.g the file name of a specific mail message file is “396936.emlx”, while its “Display Name” will be the mail subject string (e.g. “Re: Try HoudahSpot to find files”).

The “Name” attribute can have different operators, of which **is** / **is not** will only find exact matches of the search terms entered. It will ignore case differences and umlauts. E.g. a search for “Name is tree house” will return files like “tree house.jpg”, “tree house.pdf” etc., but NOT “**my** tree house.jpg”.

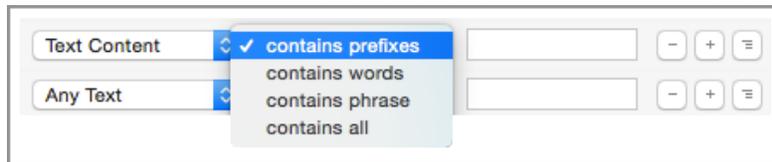


When the search operator is set to **contains**, it will return all files which include the exact search term entered. It will ignore case differences and umlauts. E.g. a search for “Name contains tree house” will return files like “tree house.jpg”, “my tree house.pdf” or “tree houses.jpg”, but NOT “tree.jpg” or “house.pdf” (because ALL of the search terms — both “tree” and “house” have to be present in the file name for it to be included in the results list.)

3.2.1.2. “Text Content” and “Any Text”

The “Text Content” attribute allows you to search files by indexed text content. As such, it applies only to files that contain text. E.g. word processing documents, presentations etc.

The “Any Text” attribute matches any attribute containing text. E.g. author, location, tags, comments, etc. This also includes “text content.”

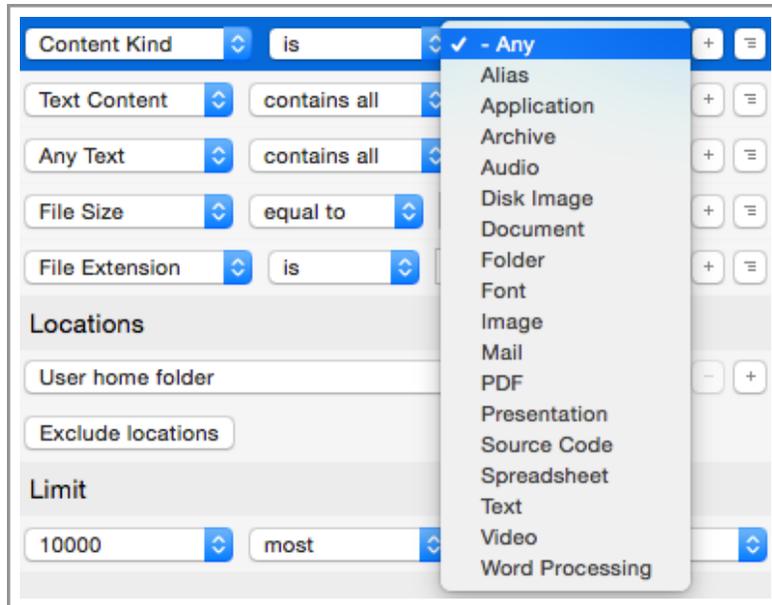


The available operators apply as follows to a search string of “tree house” :

- **“contains prefixes”** searches for starts of words. The example matches “tree house”, “TreeHouse” and also “treetop house”
- **“contains words”** searches for words in the text content. The example matches “tree house”, “TreeHouse”, but not “treetop house”
- **“contains phrase”** searches for the exact string. The example matches only “tree house”
- **“contains all”** searches for individual string elements anywhere in the text. The example matches files that contain both the words “tree” and “house”, including word combinations such as “houseboat” and “appletree”

3.2.1.3. “Content Kind” and “Content Type”

The “Content Kind” attribute matches files by type. HoudahSpot provides a list of pre-defined types.



Switch to “Content Type” (via “other ...” in the attribute pop-up menu) for finer control. “Content Type” matches files by Uniform Type Identifier UTI (e.g. “com.apple.mail.emlx”)

Find UTIs hard to remember? Try [“Find by Example”](#):

Drag a file of the content type desired from the Finder or from the HoudahSpot results list and drop it onto the “Content Kind” criterion. It will adapt to match the file.

3.2.1.4. “File Extension”

The “File Extension” searches file names for the specified extension. E.g. “txt”, “docx” etc. It is a convenience criterion equivalent to searching for file names ending with a dot followed by the specified extension.

3.2.1.5. “Keywords & Tags”

The “Keywords & Tags” attribute is a combination of existing attributes. It searches Finder Tags, OpenMeta Tags and Keywords.

3.2.1.6. “Content Modified”

This attribute matches files modified “before”, “on” or “after” a given date. Using the “within last” operator, it searches for files modified during a period of time ending today.

3.2.2. Using the Asterisk (*) Wildcard

You can use the asterisk symbol * as a wildcard. The asterisk * matches any number of characters.

Examples:

- A search for the name criteria “*houdah” matches all files beginning with any number of unspecified characters followed by “houdah”.
- A search for the name criteria “houdah*” matches all files beginning with houdah followed by any number of unspecified characters.
- A search for the name criteria “*.txt” will find all files ending in .txt

The use of the asterisk symbol as a wildcard means that you can not search directly for it, therefore:

- If you want to search for *, type *
- If you want to search for *, search for *, type *
- If you want to search for \, type \

3.2.3. Combining Criteria: ALL / ANY / NONE Groups

The last button in each criterion row creates a criteria group. Groups combine several criteria using boolean operators: “ALL / ANY / NONE of the following are true”.



By default, files have to match all criteria listed to show up in the results list. The same is true for criteria wrapped in an **ALL** group. Within an **ANY** group, a file will be found if any of the listed criteria match. The criteria nested within a **NONE** group will be excluded from the search.

Criteria rows can be dragged and dropped into a group. Hold the option key while you click to grab the criteria rows more easily.

Examples:

If you want to find files that contain “house” in the name,

- that have been modified within the last 3 days **AND** are word processor files, wrap “Content Modified within last 3 days” and “Content Kind is Word Processing” in an **ALL** group (default).

The screenshot shows the 'Refine' dialog box with the following criteria:

- Name contains house
- All of the following are true:
 - Content Modified within last 3 days
 - Content Kind is Word Processing

- and are either image **OR** video files, wrap “Content Kind is Image” and “Content Kind is Video” in an **ANY** group.

The screenshot shows the 'Refine' dialog box with the following criteria:

- Name contains house
- Any of the following are true:
 - Content Kind is Image
 - Content Kind is Video

- but you want to **EXCLUDE** folders from the results list, wrap “Content Kind is folder” in a **NONE** group. (For this example, you would get the same result if you simply set “Content Kind” to “IS NOT folder” instead of using a group.)

The screenshot shows the 'Refine' dialog box with the following criteria:

- Name contains house
- None of the following are true:
 - Content Kind is Folder

3.2.4. Find by Example

You can drag files from the HoudahSpot results list or from the Finder onto criteria in order to set them to match the file's properties. This comes in handy when looking for files that in one way or another resemble a file you have at hand.

Example:

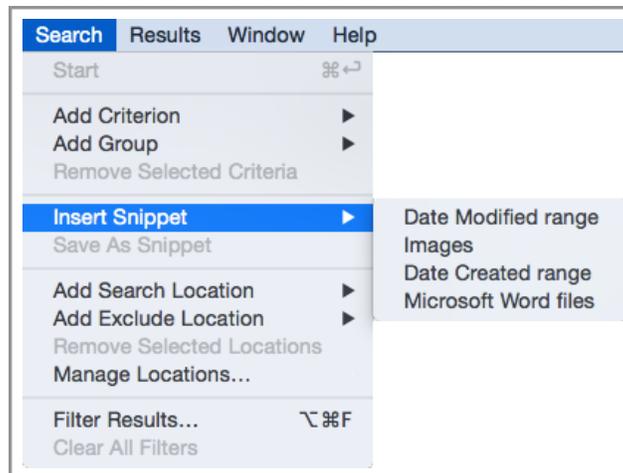
To find Microsoft Word files, drag a Word file onto a “Content type” criterion. The query will update to match all files of the Microsoft Word type.

HoudahSpot relies on the Spotlight index to get file properties. For files not indexed by Spotlight, it can extract basic attributes only: name, date created, etc.

3.2.5. Snippets

Snippets are a single search criterion or a group of criteria that serve a certain purpose. A set of snippets is pre-installed.

Insert a snippet by selecting it from the “Insert Snippet” item in the Search menu. You may also use the context menu (ctrl-click or right-click) in the Search pane. Alternatively, you can drag a Snippet from the [Sidebar](#) or from the [Snippet preferences tab](#) and drop it onto the criteria area of the Search pane.

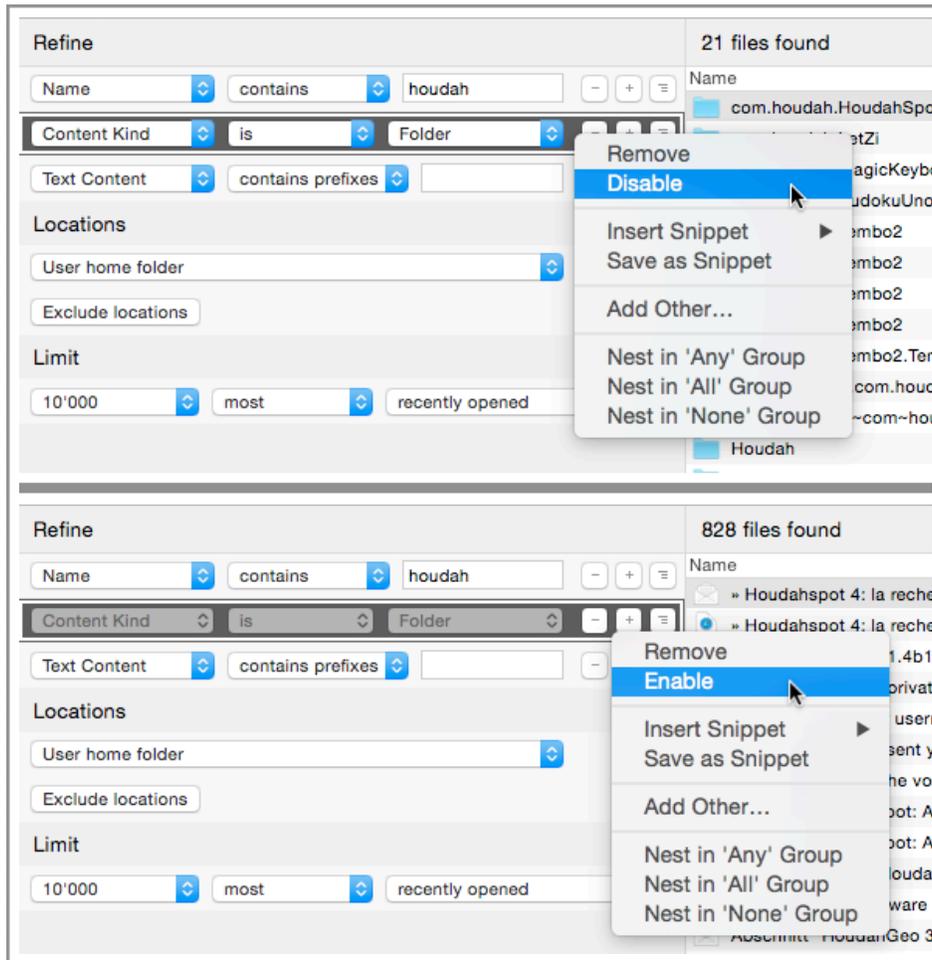


To create a new snippet, select the criteria rows that make up your snippet in the Search pane, then either use the “Save as Snippet” command from the Search menu or make use of the context menu. To select the criteria rows more easily, hold the option key while you click.

The [preferences tab](#) allows for creating, deleting, exporting or importing snippets.

3.2.6. Disable Criteria Rows Temporarily

To disable criteria rows, select them, then either choose Search > “Disable Selected Criteria” from the menu or select “Disable” from the row’s context menu. To enable, select the respective rows and choose “Enable” from the context menu or from HoudahSpot’s Search menu.

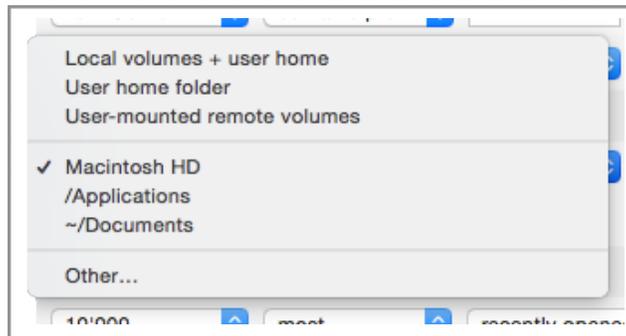


3.3. Search Locations

In this section, you can configure the locations HoudahSpot is to search. By default, this will be your home directory.



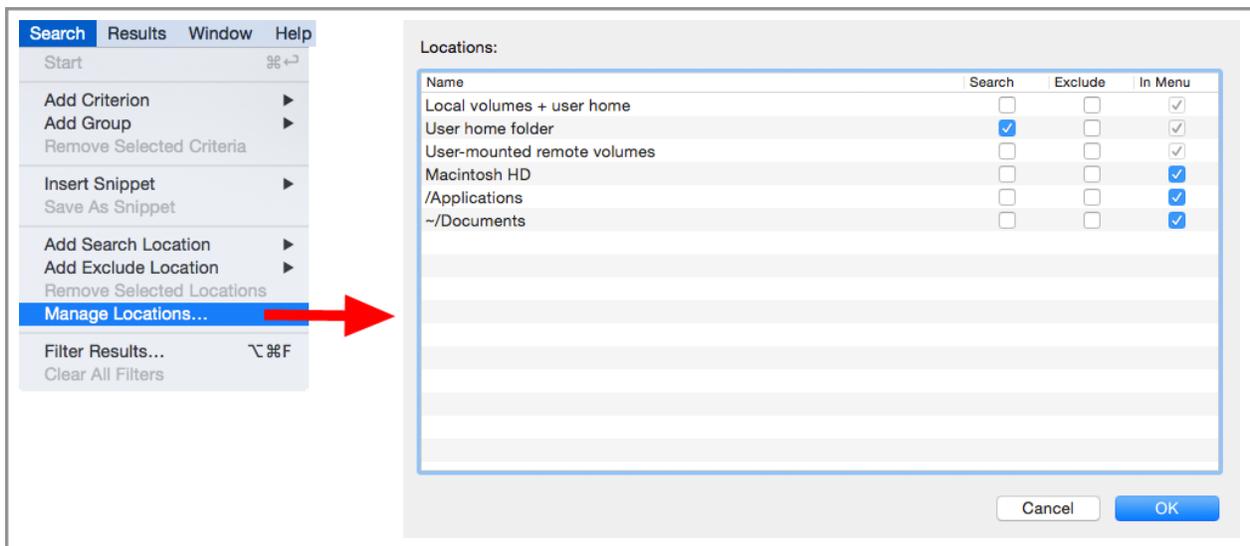
Use the pop-up menu to choose from a selection of locations. Go to “Other...” to choose any other location.



The search scope can also be configured by dragging files or folders onto rows in the locations section.

HoudahSpot relies on the Spotlight index to find files and show file properties. As a rule of thumb, HoudahSpot can only find files in locations indexed by Spotlight. In some cases, HoudahSpot may be able to find files in folders excluded from Spotlight if you point HoudahSpot directly to such a folder. E.g. searching the folder ~/Library/Preferences may find files that are not found when searching the parent folder ~/Library.

To organize the “Locations” and “Exclude Locations” pop-up menus, choose “Manage Locations...” from the Search Menu.



The locations selected will be added to the pop-up menu of your current search document. To delete locations from the list, untick the checkbox.

If you want locations to show up in the pop-up menu of every new search document, use the [“Save as Default”](#) command from the File menu.

3.3.1. Exclude Locations

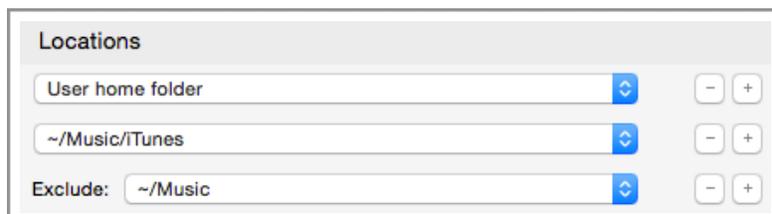
You can exclude certain locations from the search. For instance, you may want to search all of your home folder, except for the Library folder. The setup would look like this:



HoudahSpot respects the most specific location listed.

Example:

A search within the User home folder and the folder ~/Music/iTunes with the whole Music folder excluded will search in the home folder and exclude the Music folder except for the iTunes folder within. Because ~/Music/iTunes is more specific than ~/Music, ~/Music/iTunes takes priority over ~/Music.



3.3.2. Finder Toolbar Item

You may choose to install the Finder toolbar item to initiate a search within a specific folder from any Finder window.

Pressing the HoudahSpot Toolbar Item in the Finder will launch HoudahSpot and open a search window where the search location matches the location in the finder window.



Alternatively, you can drag a folder to the Finder item to start a search within that folder.

See [Advanced Preferences](#) on how to install and uninstall the Finder toolbar item.

3.4. Limit

You can choose to have HoudahSpot show only a limited number of results, e.g. the 10000 most recently opened or the 1000 most recently modified files. Setting a limit keeps the results manageable and relevant.



Files may disappear from the list as the Spotlight engine finds “better matches”.

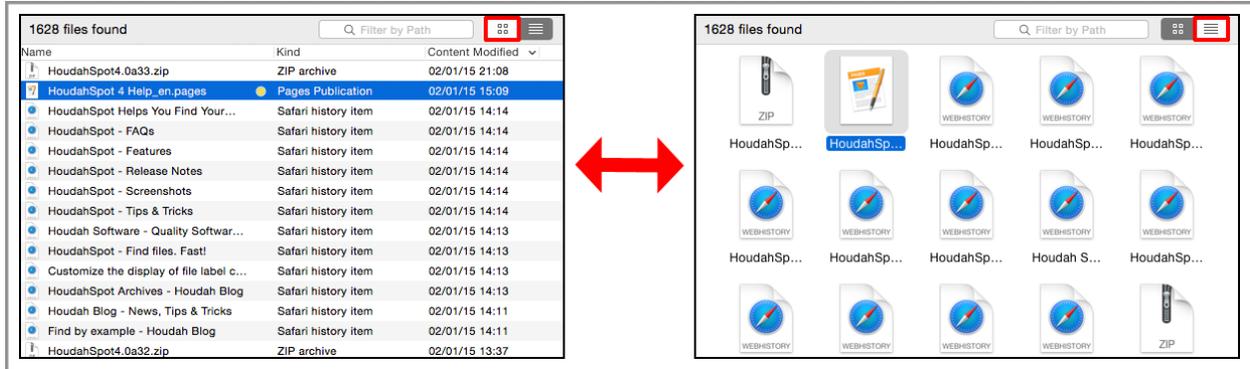
3.5. Start / Stop Button

With HoudahSpot, searches only start when you are ready. Set up your query, then click the start button in the toolbar. Only now will HoudahSpot get busy gathering results.

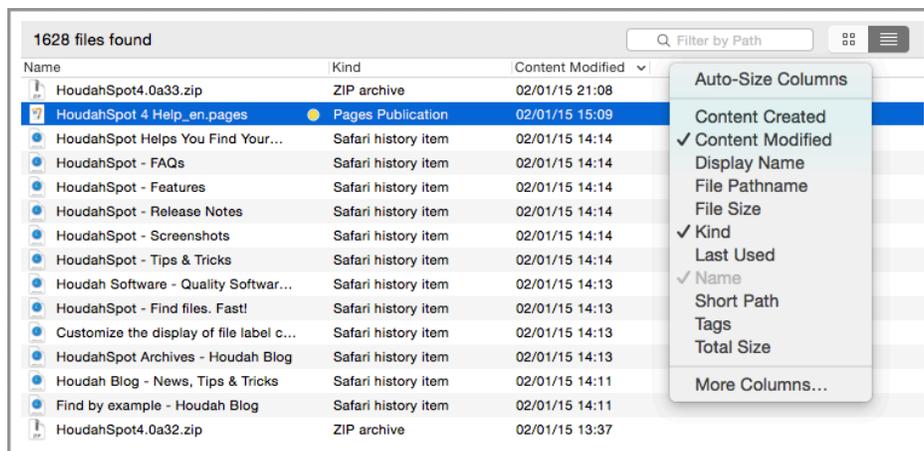
Once a HoudahSpot search has been started, it remains live even after gathering is completed. The results are updated as files are changed, added or removed from the system. You can still modify the criteria to refine your search. As new files match the criteria, they are added to the results list.

3.6. Results

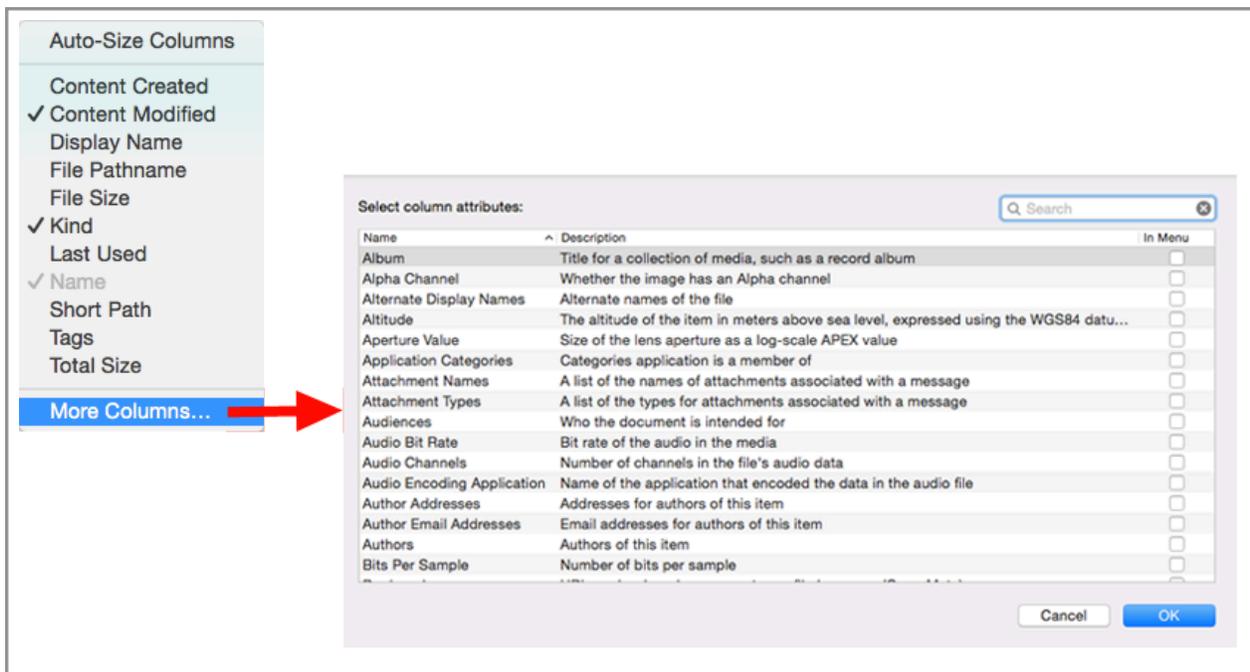
While the search is active, HoudahSpot shows found files on the right hand side of the window. Results can be displayed as a list or as a grid.



Ctrl-click or right-click on the title row or use the Columns item in the View menu to add columns for other metadata attributes. You may sort results by any of these columns.



Choose "More Columns ..." to get the list of all column attributes available. Double click the row to add a column. Check the "In Menu" option to add a column without immediately using it.



Select a file to see the **path** to its location at the bottom of the window. Command-clicking a folder in the path narrows down your search to focus on the selected folder location. Command-Option clicking a folder adds its location to the excluded section. Double-clicking a folder in the path will open it in the Finder.

You may also further narrow down your search by **filter/exclude** results by name or by path. To do this, use the filter text field on the top of the Results pane.



To see a **file preview**, select the file, then use the Quick Look menu item from the Results menu. To see a **slideshow** of previews from several result files, select these files and use the Slideshow menu item from the Results menu.

3.6.1. File Actions

Once you have located the files you are looking for, you can:

- **Double-click to open**

HoudahSpot will pass the first “text content” or “any text” search strings on to the next application. In many applications, you can then proceed to find the text in the document by hitting command-G.

- **Drag files to a Finder window to move or copy**

This can be a powerful technique for housekeeping.

Examples:

- You want to search for music files that are somewhere on your computer but not in the Music Folder. Set up a search for Music files and exclude the Music Folder location. Drag the files from the results list to your Music folder.
- Should you want to organize your files by date, e.g. one folder for each month: create a search to match the files from a given month. In the Finder, locate or create the folder. Then drag all files from the results to that folder.

- **Drag files onto the Trash icon** to delete them.

- **Drag files to an application in the Dock** to open them with the application selected.

- **Rename files or assign Finder file tags** by calling up the respective commands in the Results menu, from the Actions toolbar button or in the context menu (ctrl-click or right-click).

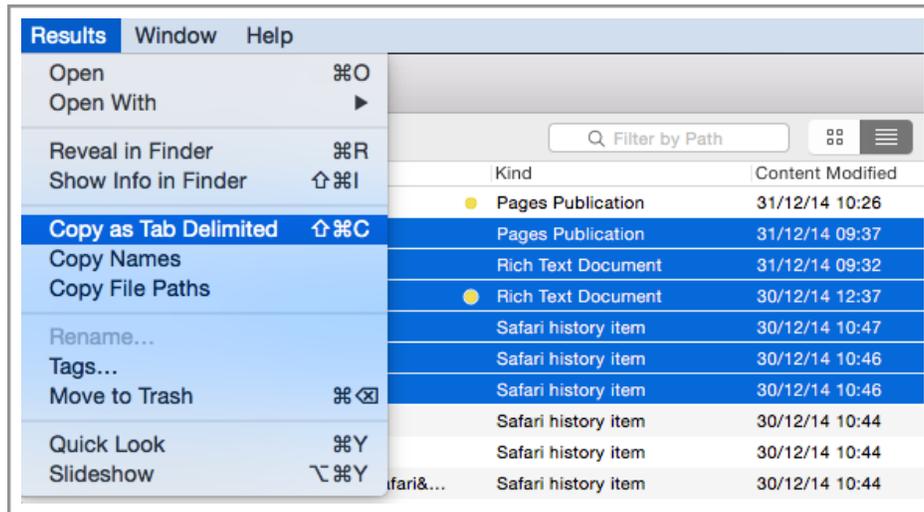
Tagging behavior: Tags you add are added to all selected files. Tags you remove are removed where present. Tags you don't touch are left unchanged. Files which had the tag keep it, files which didn't have the tag still don't have it. If you check the overwrite option, all files selected will get the exact set of tags shown.

- **Apply actions** from the Actions and from the Share toolbar buttons.



- **Copy the list of results as text** to use in another application.

You can copy a list of currently selected files as text by selecting the “**Copy as Tab Delimited**” command from the Results Menu. The copied text includes all columns currently displayed in HoudahSpot. You may also choose to copy **File Names** or **File Paths** only. The copied information can be pasted into text editors or spreadsheets.

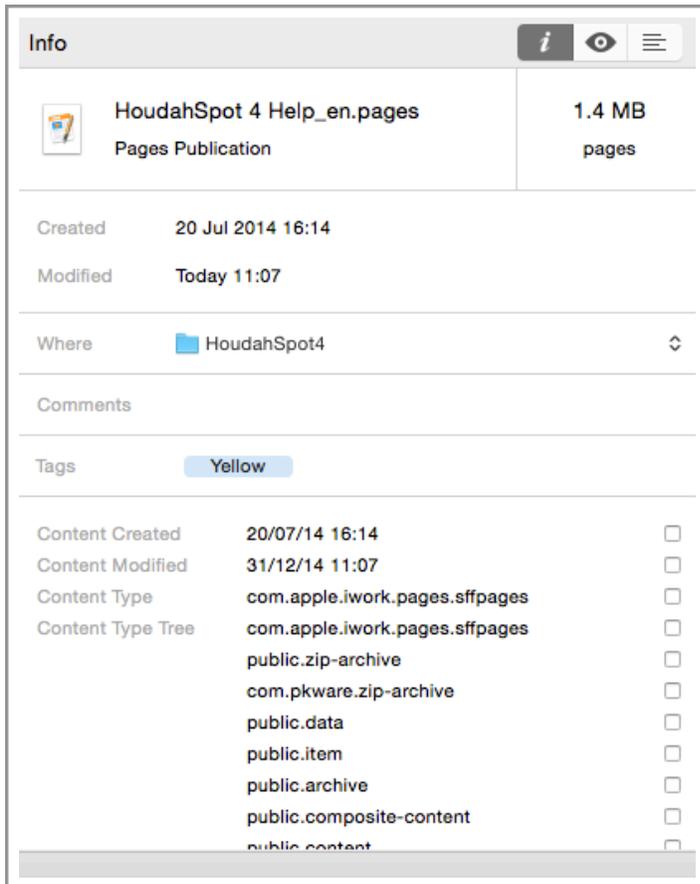
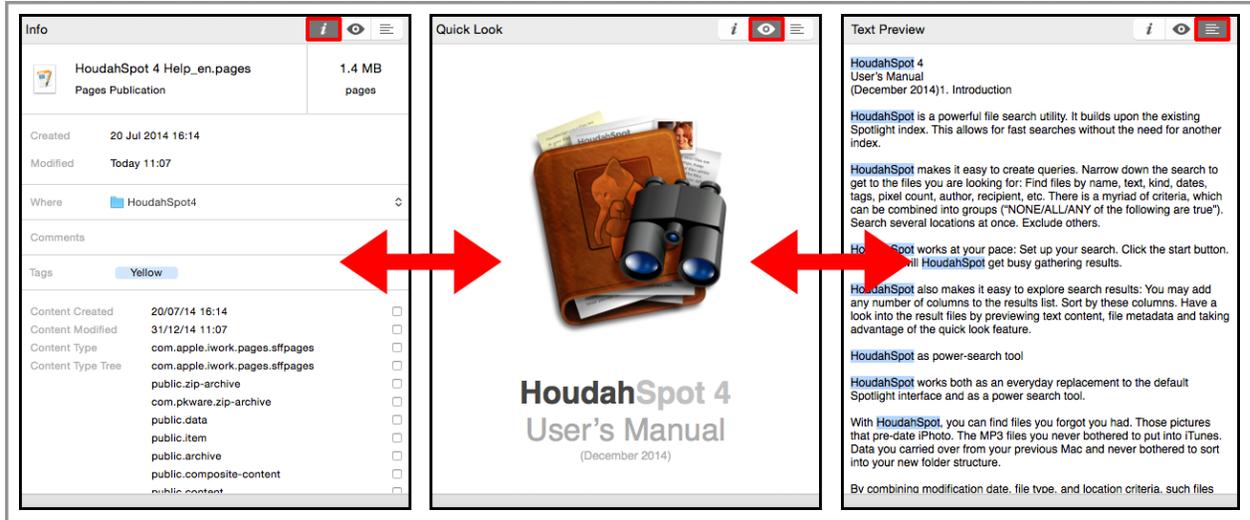


Example:

You may want to create a list of all your music titles. Create a search to match audio files from the “Music” folder. Enable the columns as desired: Title, Composer, Length, Size, etc. Now select rows from the results list and hit Command-C to copy. Paste to a text editor or spreadsheet.

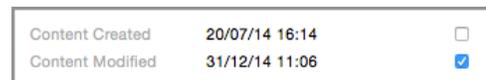
3.6.2. Details: File Info, Quick Look, Text Preview

To the right of the Results pane, you will find the Details pane. Use the buttons on the top right of this pane to switch between Info, Quick Look, and Text Preview.



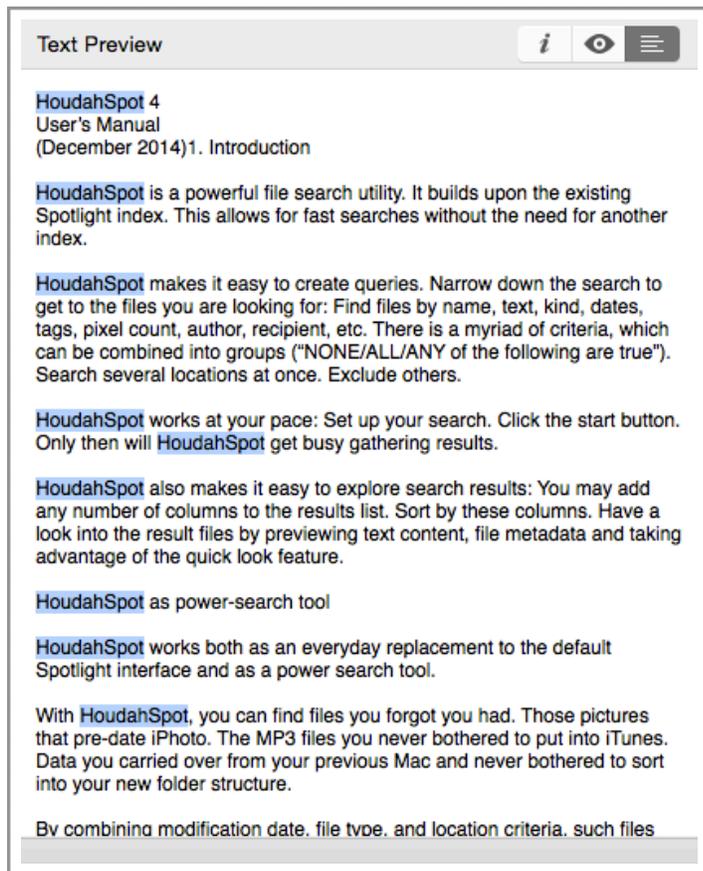
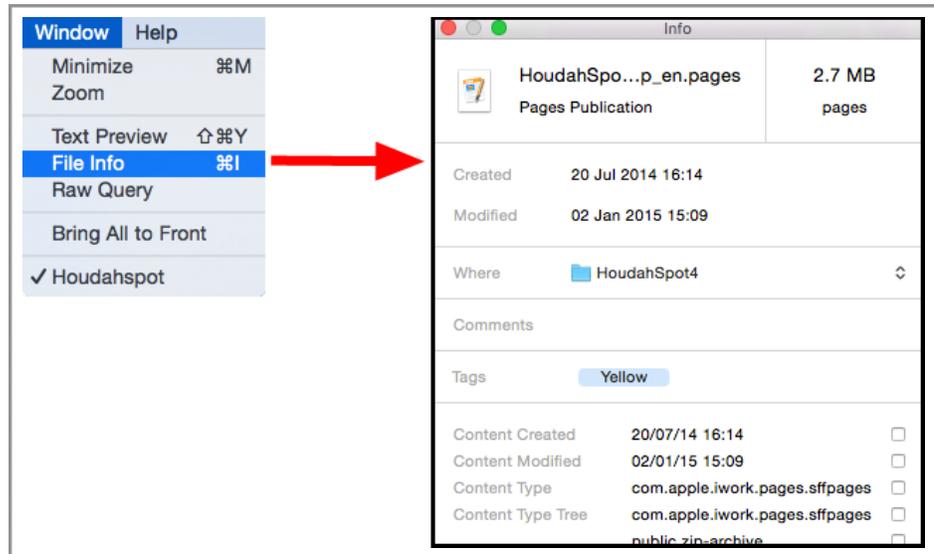
The Info window shows all the metadata registered with the [Spotlight index](#). These are the attributes you can use for searching.

Tick the checkbox next to an attribute to filter your search results by this attribute.



The Info window is **copy-paste enabled**. Select a single attribute and hit Command-C to copy its value to the pasteboard. Select a range of attributes by holding the shift-key while clicking or select several attributes by Command-clicking, then copy them using Command-C. A tab-separated list of the attributes selected will be created in the pasteboard.

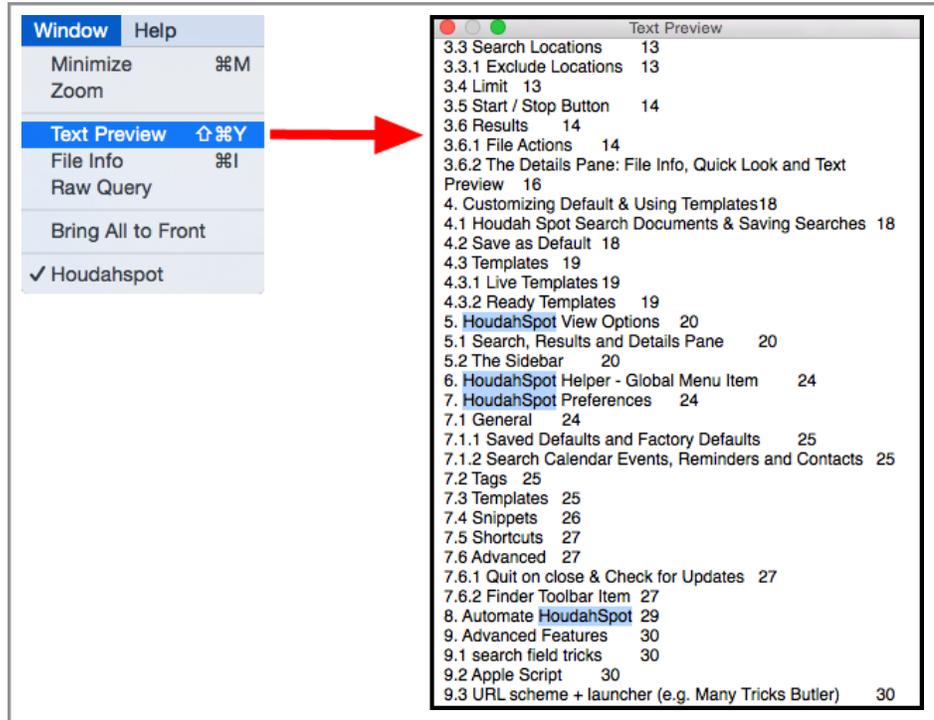
If you choose “File Info” from the Window menu, File Info will open in a separate window.



Text previews shows the file's text content as submitted to the Spotlight index. Search terms are highlighted.

If you choose “Text Preview” from the Window menu, Text Preview will open in a separate window.

The Details pane may be hidden by clicking the respective view selector button in the toolbar or by using commands from the [View](#) menu.



3.6.3. Saving Search Results as Text Files

You may save the search results list as tab delimited text file to be used in other applications like spreadsheets etc. Go to File > “Save Results to Text File”.

4. Customizing Default & Using Templates

4.1. Saving Searches

HoudahSpot searches are documents. You can create or open as many documents as you like. You can run several searches at the same time. You can open a new document in a new window or in a tab within the same window.

You can save HoudahSpot search documents for later use or for sharing with coworkers and friends.

HoudahSpot will **not** suggest to save untitled searches nor will it automatically save documents when you quit the application. It assumes that searches are disposable unless you tell it otherwise.

HoudahSpot documents save every piece of information you entered: search criteria, search terms, view options, result columns, sort order, etc. HoudahSpot also remembers whether your search was active when the document was saved. If it was, the search will start immediately upon opening the document.

When a saved search document has been edited, HoudahSpot will ask on quit if you would like to save the changes or discard them.

4.2. Save as Default

“Save as Default” allows you to configure HoudahSpot to match your personal preferences regarding the setup of search criteria, locations, sort order, column, etc.

You can change the HoudahSpot default window layout by saving the current layout using the “Save as Default” command from the File menu. Your new default layout will then be used as the starting point for all new documents.

To switch between your saved default and the factory default, go to the [General tab](#) in the Preferences pane.

4.3. Templates

Templates serve as starting points. Opening a template creates a new search. The actual template will not be affected by any changes you make to that document. A search created from a template is – just like a normal search – considered to be disposable.

Templates are available from both the “Templates” menu or the [Sidebar](#). HoudahSpot comes preconfigured with a set of sample templates.

To save the setup of your current search window as a template, use the “Save as Template” command in the file menu. When a template was saved while the search was active, the search starts immediately when you select the template.

Note: HoudahSpot 4 cannot use saved searches or templates created by previous HoudahSpot versions. A migration tool is available from the [HoudahSpot Blog](#).

4.4. Export as Finder Smart Folder

You may save HoudahSpot searches as Finder smart folders. Set up your query, then go to File > Export as Smart Folder. HoudahSpot saves your search criteria and locations as a smart folder. However, Finder does not support some of HoudahSpot’s options. Therefore, values for locations exclusion, filters, custom columns etc. are dropped. If you want to retain these values, you may choose HoudahSpot’s “[Save as Template](#)” option.

5. View Options

5.1. Search, Results & Details Pane

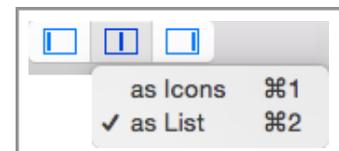
A HoudahSpot window can show one or more search documents. When multiple documents are open in a single window, the window shows a tab bar.

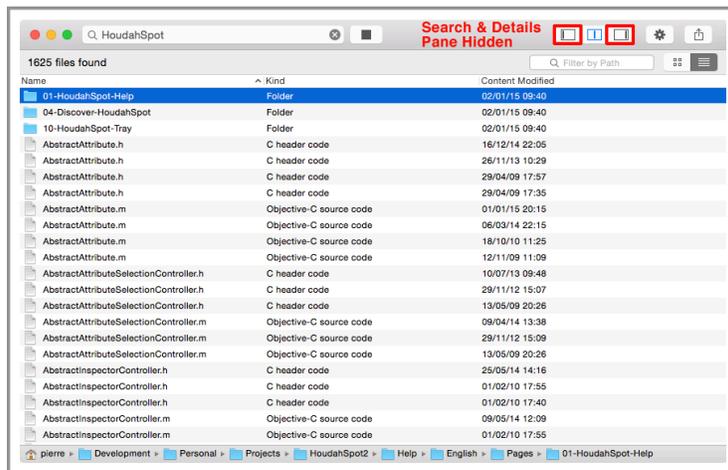
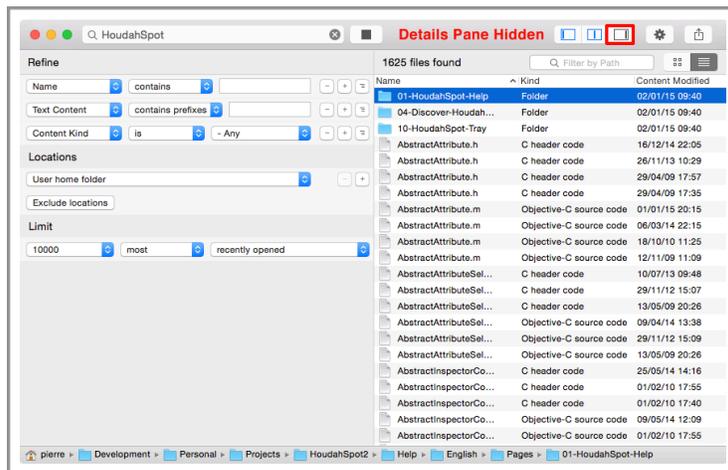
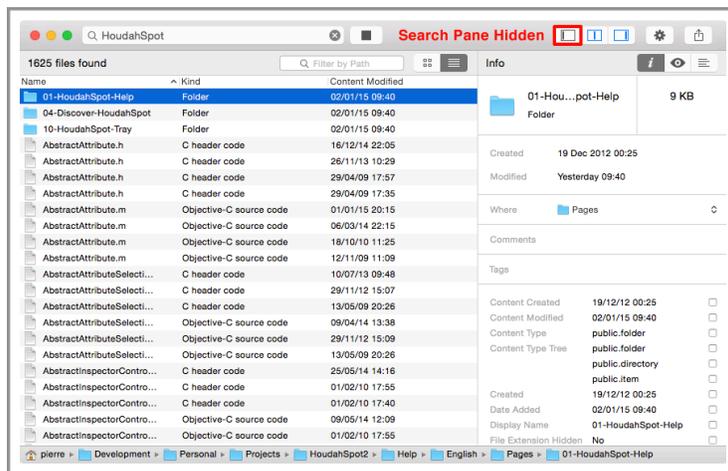
The HoudahSpot window has a toolbar with the following items: search field, start/stop button, view selector, action button and share button.



The view selector contains the following buttons:

- Hide/Show Search
- Show Results as List / as Grid
- Show/Hide Details

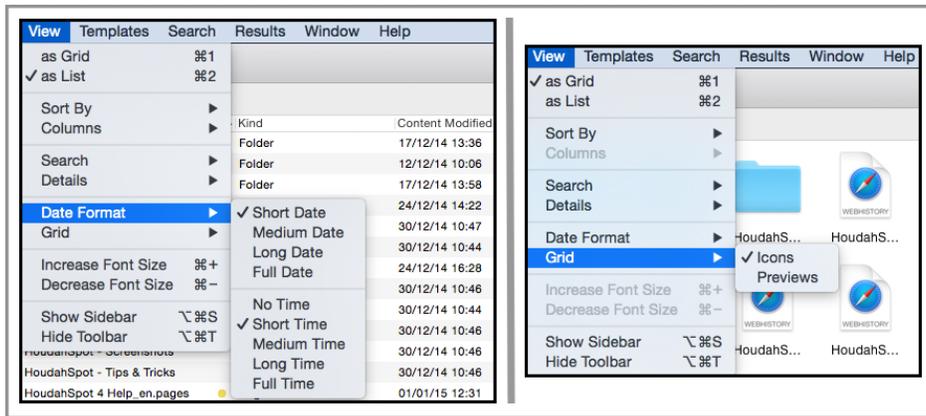




The View options can also be found in the View menu. You will also find some additional options there:

- Search > **“Show Automatically”**: Search pane automatically appears when the stop button is clicked.
- Search > **“Hide Automatically”**: Search pane automatically disappears when the start button is clicked.
- **Date format**: choose between different date and time formats for the list view.

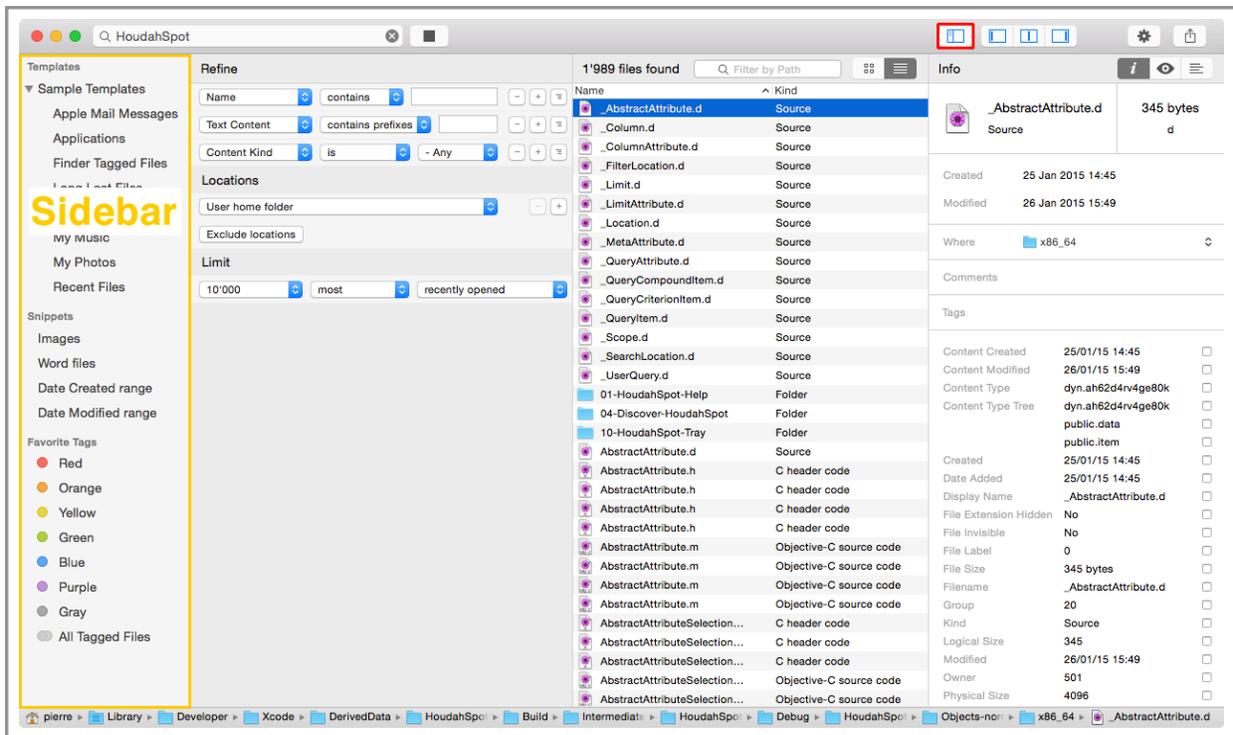
- **Grid:** Switch between **Icons** and **Previews** (where available) in Grid view.



The Toolbar can be hidden using the “Hide Toolbar” command in the View menu.

5.2. The Sidebar

Along the left edge of the window, you can choose to have a sidebar displayed. This sidebar lists your search templates, snippets, and favorite tags. The sidebar is hidden by default and can be revealed using the “Show Sidebar” item from the View menu.



If you click on a template in the sidebar, a new search tab will open, set up as defined in the template chosen.

You can drag snippets or tags from the sidebar into the Refine section. If you click on a snippet or on a tag in the sidebar, a new search tab will open, containing the default search layout plus a search criterion for the tag selected or the snippet search criteria respectively.

You can tag a file by dragging it onto the respective tag. Drag it onto “All Tagged Files” to tag it manually.

6. HoudahSpot Preferences

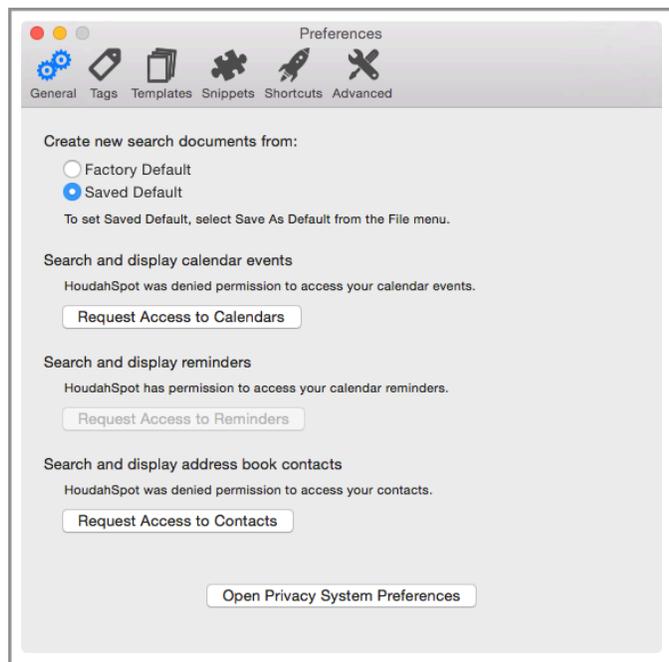
The HoudahSpot Preferences can be accessed from the HoudahSpot menu.

6.1. General

The radio buttons allow you to switch between **Factory Default** and **Saved Default**. This option is grayed out as long as no default has been saved.

In order for HoudahSpot to be able to find and display search results from Apple’s **Calendar**, **Reminders** or **Contacts** applications, you will need to grant HoudahSpot access to them. To do so, click the “Grant Access” button.

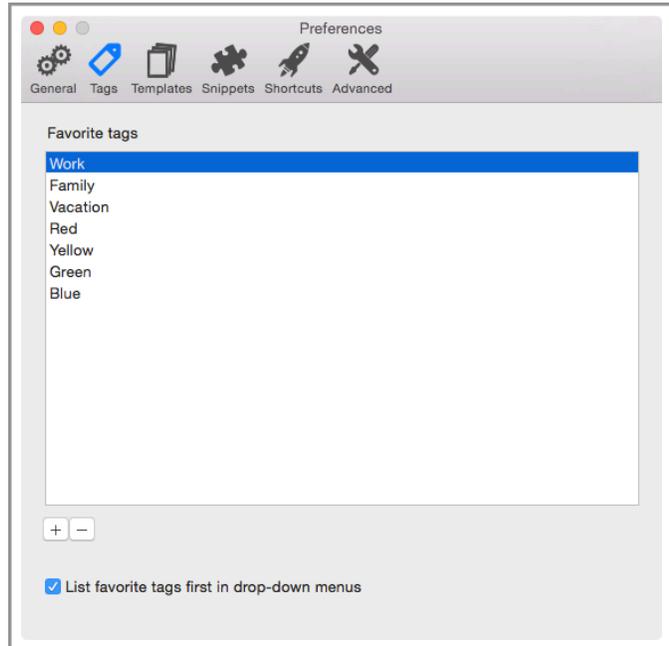
The “Open Privacy System Preferences” takes you to the Security & Privacy pane within System Preferences. Here, you can grant and withdraw HoudahSpot access to these applications by checking and un-checking the respective boxes.



6.2. Tags

Define a list of favorite tags which will show up in the sidebar. Use the “+” and “-” buttons to add or remove tags. Drag and drop to reorder.

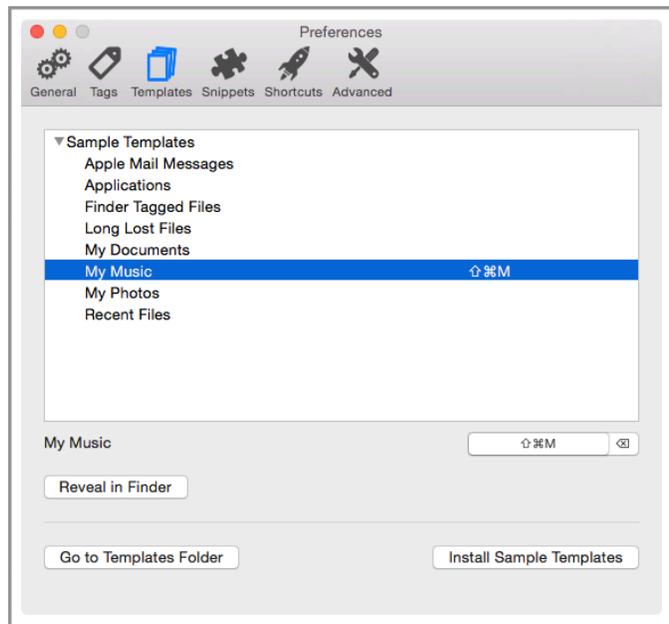
Click the box if you want these favorite tags to show up first in all tag drop-down menus.



6.3. Templates

All available [templates](#) are listed here. If you want to create a keyboard shortcut to open a specific template, select the template, press “Record Shortcut” and type the key combination you would like to associate with this template. The Keyboard Shortcut will then show up next to the template.

To locate a template file on your hard drive, select the template and press “Reveal in Finder”. “Go to Templates Folder” takes you to the Templates folder in Finder. If not already installed, “Install Sample Templates” will copy a set of sample templates to your templates folder.



To delete a template, go to the Templates folder and move its template file to the Trash.

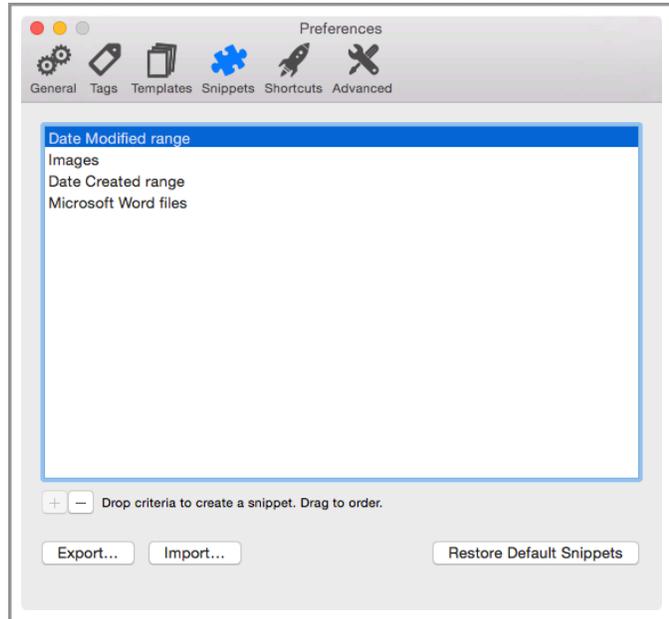
6.4. Snippets

[Snippets](#) are a single search criterion or a group of criteria that serve a certain purpose. A set of default snippets is pre-installed. If they are missing or have been deleted, you can reinstall them by pressing “Restore Default Snippets”.

To use a snippet, simply drag it from this snippet list to the Search pane.

To create a new snippet, select the criteria rows that make up your snippet in the Search pane, then either press the “+” button or drag the criteria rows onto the snippets list. Name or re-name snippets by double clicking them, or discard them using the “-” button (beware: cannot be undone!).

You may export or import snippets in order to share them with others. Double-clicking a snippet file will automatically add it to your snippets list.

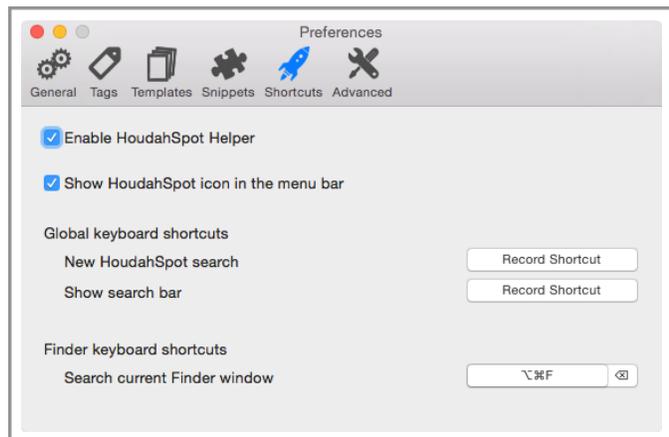


6.5. Shortcuts

You can configure HoudahSpot to show an icon in the menu bar or to open at the press of a hot key.



These features are provided by the “HoudahSpot Helper” application. When you enable the “HoudahSpot Helper”, it will keep running even after you quit HoudahSpot.



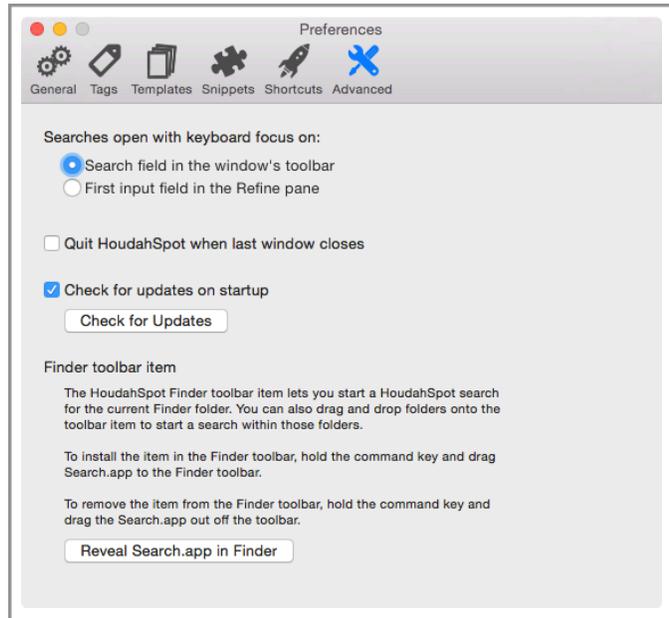
6.6. Advanced

The top set of radio buttons lets you define where the insertion point should appear when opening a new search window.

Enable “Quit HoudahSpot when last window closes” if you want the application to close when you close its last window.

When “Check for updates on startup” is enabled, HoudahSpot will check for a new version when it is launched. Press “Check for Updates” to check manually for a new version of HoudahSpot.

Install the [Finder toolbar item](#) in order to conveniently search the current Finder window.



7. Automate HoudahSpot

HoudahSpot integrates nicely with your automated workflows.

Use the custom URL scheme to start HoudahSpot searches from third party tools like Butler, LaunchBar or Alfred. Use AppleScript to access search results and build more advanced workflows.

7.1. URL scheme and third party tools

The URL for starting a new search has the following format:

`houdahspot4://search?q=QUERY&location=PATH&template=PATH`

Spaces and special characters in the URL parameters need to be encoded (see w3schools.com). The URL encoding for the space character is %20.

The parameters are:

1. q (or query): The search string. For example: "Houdah%20Software", "name:*.txt" or "tag:orange". This parameter is optional.

2. **l** (or location): The path of the folder to search. This parameter is optional and may be repeated
3. **t** (or template). The path of the template to use. This parameter is optional. The path to the template must include the `.hstemplate` extension. You may use a path relative to your home directory by prefixing with a tilde: `"~/Library/Application%20Support/com.houdah.HoudahSpot4/Templates/Sample%20Templates/Apple%20Mail%20Messages.hstemplate"`

You may use this to start HoudahSpot searches from third party tools like Butler, LaunchBar or Alfred.

Butler:

1. Open "Butler: Search Engines" preferences
 2. Create and name a new "Search Engine"
 3. Set the URL Prefix to `"houdahspot4://search?q="` (without the quotes)
- Note: No URL encoding needed for Butler 4.1 and newer.

LaunchBar:

1. In LaunchBar, select "Index" > "Show Index"
2. Create and name a new "Search Template (UTF-8)"
3. Set the Template URL to `"houdahspot4://search?q="` (without the quotes)

Alfred

1. In Alfred, go to "Features" > "Web Search"
2. Create and name a new "Custom Search" (UTF-8)
3. Set the "Search URL" to `"houdahspot4://search?q={query}"` (without the quotes)

7.2. AppleScript

HoudahSpot implements the following AppleScript commands:

`search` – start a new search

`finder search` – start a new search for the frontmost Finder window

You can access HoudahSpot search results after a search has completed. Please refer to the AppleScript dictionary for details on available commands and properties.

Example:

```
tell application id "com.houdah.HoudahSpot4"
    set myLocations to {"/Applications"}
    set myDocument to search "HoudahSpot" locations myLocations

    repeat until search completed of myDocument
    end repeat
```

```

set myResults to results of myDocument
set myCount to count of myResults

display dialog "Found " & myCount & " files"

set mySelection to selection of myDocument

if mySelection is not {} then
    set myPath to path of first item of mySelection

    display dialog myPath
end if

end tell

```

7.3. OS X Service

HoudahSpot provides three system wide services. These show – where applicable – in the Services submenu of all applications on your Mac.

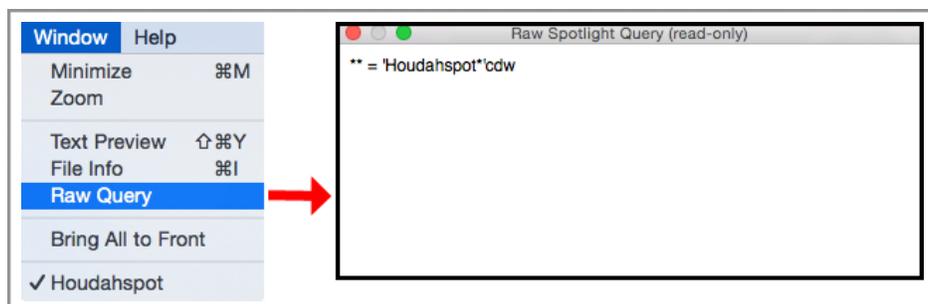
- New HoudahSpot Search: Launches HoudahSpot and/or opens a new window
- Search in HoudahSpot: Starts a HoudahSpot search for the selected text
- Search Folders in HoudahSpot: Creates a new HoudahSpot search of the selected folder

Services can be enabled and assigned keyboard shortcuts in System Preferences > Keyboard > Shortcuts > Services.

8. Advanced Features

8.1. Raw Query

Select “Raw Query” from the Window menu to see the query created by HoudahSpot and passed on to the Spotlight engine in a separate window.



8.2. Advanced Uses of the Search Field

The search field at the top of a HoudahSpot window makes it easy to quickly start a simple search. If needed, you can then use additional criteria to refine your search. Typically, you will use the Refine pane below the search field to assemble criteria to find the exact files you are looking for.

The search field, however, can also be used to build more complex queries. It understands a simple yet powerful syntax. The basic expression has the following format:

attributeName:value

This will search for files where the named attribute contains words prefixed with the provided value. You can add more expressions to refine the query. If you omit the attribute name, HoudahSpot will search all text attributes.

Examples:

- Houdah – Searches for files where any text attribute contains the prefix Houdah
- name:Houdah – Searches for files where any of the display names contains Houdah
- Houdah Software – Searches for files that contain both Houdah and Software

By default, HoudahSpot searches text attributes for **word prefixes**. You can do other searches by using the “*” **wildcard** in the value.

Example:

- filename:*.txt – Searches for file names ending with .txt

By default, HoudahSpot searches are case insensitive and diacritics insensitive. You can append the following modifiers to your search to change this:

- c = case insensitive
- d = diacritics insensitive
- w = search for words

Example:

- name:"houdah"cdw - Case & diacritics insensitive search for words starting with “houdah” (= Default)

If at least one modifier is set, the default value (cdw) will be ignored.

Examples:

- name:"houdah"cw - Case insensitive (BUT diacritics sensitive) search for words starting with “houdah”
- name:"houdah"dw - Diacritics insensitive (BUT case sensitive) search for words starting with “houdah”

Different criteria can be combined using the **boolean operators AND, OR, NOT**. If no operator is specified, an AND operator is assumed: each criterion further restricts the query.

Examples:

- name:Houdah OR filename:Houdah – Searches both display names and file name
- name:Houdah NOT filename:Houdah – Files where the display name contains Houdah, but the file name does not
- filename:*.txt AND (Houdah NOT text:Houdah) – .txt files where any text attribute contains Houdah, but the actual text content does not

When using **numeric attributes**, you can specify a **comparison operator** or a **range of values**:

- pixelwidth:1000 – Searches for images exactly 1000 pixels wide
- pixelcount:>=7000000 – Searches for images with at least 7000000 pixels
- duration:60-240 – Searches for files with a duration in the range of 60 to 240 seconds. Typically audio or video files

When working with **date attributes**, you can specify **dates**, **date ranges** or one of the **predefined ranges**:

- dateadded:yesterday
- datemodified:"last month"

Possible values are:

lastmonth	"last week"	"next week"	"this week"
today	"last month"	"next month"	"this month"
tomorrow	lastyear	nextyear	thisyear
yesterday	"last year"	"next year"	"this year"
lastweek	nextweek	thisweek	

Possible **attribute names** are:

- one of the short names [listed below](#)
- kind – a special short name with preset values [listed below](#)
- native Spotlight attribute names like kMDItemDisplayName, kMDItemContentType, kMDItemKind, etc.

Short names: HoudahSpot defines 150+ short names so you don't have to remember native Spotlight attribute names. The most commonly used ones are:

- name – Searches display names
- filename – Searches file names
- date – Searches common date attributes: date created, date modified, date added, date due, etc.
- * – matches any text attribute except for text content
- ** or anytext – matches any text attribute. E.g. author, recipient, ...
- tag – Searches both Finder and Open Meta tags

The full [list of short names](#) can be found in the Appendix.

HoudahSpot defines a number of **kind values** that help you search documents by kind without having to know about Uniform Type Identifiers.

The most commonly used ones are:

- kind:application – Searches for applications
- kind:folder – Searches for folders, volumes and mount points
- kind:spreadsheet – Searches for common spreadsheet file formats
- kind:wordprocessing– Searches for common word processing file formats

The full [list of kind values](#) can be found in the Appendix.

Trying to memorize all of the above commands and shorthands is futile. Most often, it is easier to set up and refine a search by configuring criteria in the Refine pane. If you find yourself repeatedly doing similar searches, you may want to remember the shorthand for that (e.g. "name:Houdah date:thisWeek"). While learning the ropes of the search field, you may find it useful to observe the [raw query](#) HoudahSpot builds.

9. Appendix: List of short search field attributes

*	creator	ismidi	province
**	date	iso	publisher
added	dateadded	key	purchasedate
album	delivery	keysignature	recipient
alpha	description	keyword	recordingdate
altitude	displayname	keywords	redeye
anytext	dpi	kind	rights
aperture	duedate	language	samplerate
appmanaged	duration	lastused	security
architectures	editor	latitude	securitymethod
audience	email	layer	size
audiobitrate	encodedby	location	source
audioencodingapplication	encoder	longitude	spotlightcomment
audiosamplerate	encodingapplication	lyricist	starrating
author	exifversion	mail	state
bitrate	exposure	make	stationery
bitspersample	exposuremode	maxaperture	streamable
bps	exposureprogram	media	subject
by	exposuretime	mediatype	tag
categories	filename	metering	tags
category	flash	meteringmode	tempo
channels	fnumber	model	text
chat	focallength	modified	theme
city	font	musicalgenre	time
codec	from	name	timesignature
colorspace	fstop	organization	title
comment	genre	orientation	to
composer	group	owner	totalbitrate
contact	headline	pageheight	tracknumber
contactkeyword	height	pages	url
container	heightdpi	pagewidth	used
contains	id	path	version
content	imname	phone	videobitrate
contentcreated	instructions	phonenummer	wherefrom
contentmodified	instrument	pixelcount	whitebalance
contributor	instrumentcategory	pixelheight	width
copyright	instrumentname	pixelwidth	widthdpi
country	intext	platform	with
coverage	invisible	producer	year
created	isjunk	profile	yearrecorded

10. Appendix: List of search field kinds

alias	directory	mail	text
application	diskImage	message	todo
archive	"disk image"	movie	vcard
audio	document	music	video
bookmark	email	pdf	webArchive
buisnessCard	event	presentation	"web archive"
"business card"	folder	sourceCode	wordProcessing
contact	font	"source code"	"word processing"
compressed	image	spreadsheet	

11. Further Information

For more information, check the HoudahSpot [Website](#) and the HoudahSpot [Forum](#).

For tips & tricks, watch the Houdah Software blog at <https://blog.houdah.com>.