

# DEVONagent Pro

VERSION 3.5  
DOCUMENTATION

# TABLE OF CONTENTS

<b>Read Me</b>	<b>4</b>	<b>Menus</b>	<b>31</b>
The DEVONagent Pro Advantage	5	The DEVONagent Pro menu	31
System Requirements	6	The File menu	32
Installing, Updating, Removing	6	The Edit menu	33
Trial Restrictions	6	The Data menu	33
Version history	6	The Sort menu	34
License Agreement	14	The View menu	35
Credits	14	The Web menu	36
		The History menu	36
<b>Getting Started</b>	<b>15</b>	The Go menu	37
Why use DEVONagent Pro?	15	The Window menu	37
When to use DEVONagent Pro?	15	The Services menu	38
First steps with DEVONagent Pro	16	The Scripts menu	38
		The Help menu	38
<b>Common Tasks</b>	<b>17</b>	The Dock menu	39
How to find on the Internet	17	The contextual menu extension	39
How to search beyond Google	17	<b>Windows and panels</b>	<b>40</b>
How to customize DEVONagent Pro	18	Search window	41
How to set up a search set to crawl feeds	18	Web browser	46
How to run a search automatically	19	Archive window	51
How to archive search results	20	Search sets	53
		Plugins and scanners	53
<b>Queries</b>	<b>21</b>	Downloads	55
Operators	21	Preferences	56
Designing a search query	22	Assistant	56
		<b>Preferences</b>	<b>58</b>
<b>Search sets</b>	<b>24</b>	General	58
What are search sets?	24	Search	59
Choosing a search set	24	Menu extra	60
Creating and managing sets	25	Web	61
Sharing sets	26	Tabs	62
General tab	26	Bookmarks	62
Advanced tab	27	Email	63
Sites tab	28	Update	63
Plugins tab	29	<b>Widgets &amp; menu extra</b>	<b>65</b>
Actions tab	29	Menu extra	65
Schedule tab	30	DEVONagent Pro widget	65

<b>Scripts</b>	<b>66</b>
Introduction	66
DEVONagent Pro's Scripts menu	67
Automator	68
<b>Plugin Development</b>	<b>69</b>
Creating Your Own Plugins	69
XML Keys	71
<b>Troubleshooting</b>	<b>75</b>
DEVONagent Pro behaves irrationally	75
Problems interacting with DEVONthink	75
<b>FAQ</b>	<b>76</b>
General questions	76
Release schedules, Mac OS X, and Windows	76
Purchasing	77
Mac App Store	78
Your software license	79
Product-related questions	79
<b>Technology</b>	<b>80</b>
General Concept	80
Features	80
Structure	80
Applications	81
<b>Other Products</b>	<b>82</b>
Overview	82
DEVONthink	82
DEVONagent	82
DEVONsphere	83
DEVONnote	83
Needful Things	83
<b>Appendix</b>	<b>84</b>
Glossary	84
FAQ (product-specific)	85
List of Search Sets	85
List of Plugins	86
List of Scanners	91
Log message codes	92

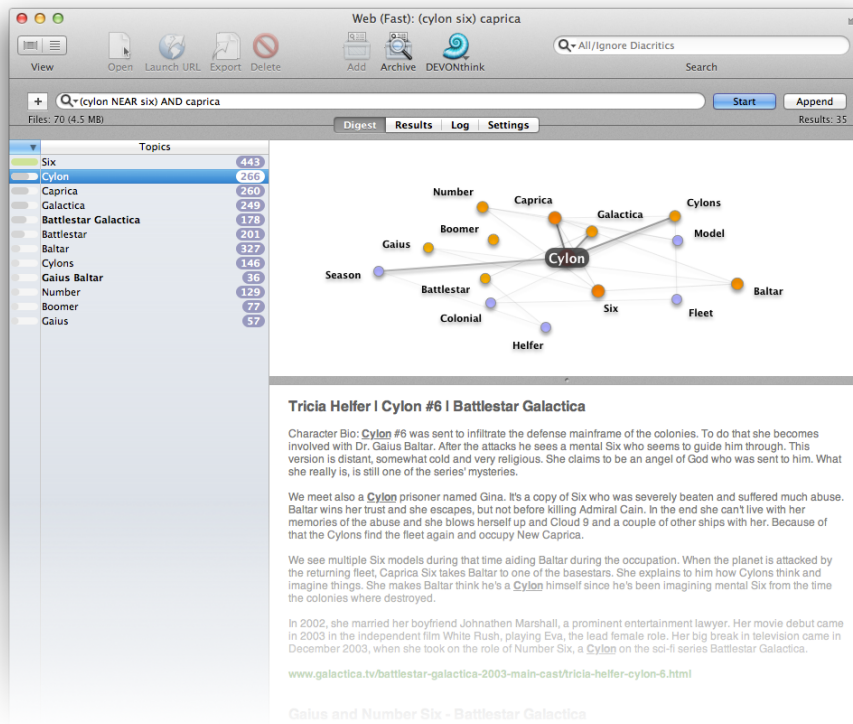
# READ ME

## In this chapter:

The DEVONagent Pro Advantage	5
System Requirements	6
Installing, Updating, Removing	6
Trial Restrictions	6
Version history	6
License Agreement	14
Credits	14

Web Searching: Fed up with Web searches that return loads of useless links? Using advanced search techniques, DEVONagent Pro takes on all those tedious search-and-review tasks, releasing you to concentrate on relevant results.

# THE DEVONAGENT PRO ADVANTAGE



## WHY DEVONAGENT PRO?

Using advanced search techniques, DEVONagent Pro takes on all those tedious search-and-review tasks, releasing you to concentrate on relevant results. It assists you in

- ▶ finding,
- ▶ collecting, and
- ▶ organizing

information from the Web or your [DEVONthink Pro Office](#) databases with a powerful and flexible search architecture. It also features a powerful, research-oriented web browser and simple built-in archive, and tightly integrates with [DEVONthink](#).

## WHAT DEVONAGENT PRO DOES FOR YOU

- ▶ Using both standard and specialized search engines, DEVONagent Pro intelligently summarizes the results — fast!
- ▶ Alternatively, DEVONagent Pro shows you an even larger number of search results using its unique graphical topic map.
- ▶ DEVONagent Pro support your research while browsing the Web, e.g., by listing all objects such

as images, linked documents, or outgoing links embedded into a viewed page.

- ▶ DEVONagent Pro archives your search results with a single click or sends them to your DEVONthink database.
- ▶ Instead of making you repeat actions, DEVONagent Pro performs those actions for you. Combine search sets, schedule searches, etc., to create your very own personalized search assistant.

## PERFECT INTEGRATION

- ▶ DEVONagent Pro integrates seamlessly with [DEVONthink](#). With just one click, archive your search results, webpages, and other information grabbed from the Web to your DEVONthink database.
- ▶ Select text in any application and use DEVONagent Pro's Services menu or a contextual menu item (Mac OS X 10.5 only) to search for it. The [Dashboard widget](#) keeps DEVONagent Pro at your fingertips.
- ▶ Use various actions, including notifications (available on OS X 10.8 "Mountain Lion" or later)

and AppleScript, to inform you of search results, then send them to either DEVONthink or the application of your choice to process them any way you wish.

Learn more about why you should use DEVONagent Pro, when you should use it, and how to run your first query: [See also p. 15ff](#)

## SYSTEM REQUIREMENTS

Every Intel-based Mac with at least 1 GB of RAM running Mac OS X 10.6.8 or later. In addition, a broadband Internet connection (2 Mbps or faster) is highly recommended.

## INSTALLING, UPDATING, REMOVING

Just move the DEVONagent Pro application package to the Applications folder or any other directory you have access to. Please note that Mac OS X Services and the connection to [DEVONthink](#) work only for applications installed into one of the Applications folders, and that logout and login or a restart is required after installation.

To update an existing version of DEVONagent Pro, simply copy the application package from the disk image to your Applications folder, replacing the old version. Your database(s) will not be affected.

If you would like to switch from the Mac App Store variant of DEVONagent Pro to one directly downloaded from the [DEVONtechnologies website](#),

you can do so at any time. The official version will accept your Mac App Store receipt as a valid license. Copies not downloaded from the Mac App Store also allow you to buy an upgrade to a higher edition or version (if available).

To remove DEVONagent Pro traces from your computer, trash the following files and folders (~ represents your home folder):

- ▶ DEVONagent Pro
- ▶ ~/Library/Application Support/DEVONagent Pro
- ▶ ~/Library/Contextual Menu Items/DEVONagent Pro CM.plugin
- ▶ ~/Library/Preferences/com.devon-technologies.agentexpress.\*

Depending on whether you have installed the following extras or not, remove them, too:

- ▶ The product-specific scripts in ~/Library/Scripts and ~/Library/Workflows
- ▶ The contextual menu plugin in ~/Library/Contextual Menu Items/
- ▶ The Dashboard widget

Note: Depending the version of Mac OS X you are using, some files may or may not be installed on your machine.

## TRIAL RESTRICTIONS

Unregistered DEVONagent Pro runs for 60 hours of non-continuous runtime. Close the app to stop the clock from ticking and re-open later to continue your evaluation. The [menu extra](#) is restricted to 100 searches until DEVONagent Pro is registered.

## VERSION HISTORY

### VERSION 3.5

This release brings a new plugin for the British Library, updates a number of plugins and search sets, and adds new options for actions. It also improves the general reliability and fixes a number of bugs. This update is recommended for all users.

New:

- ▶ Plug-in [References > British Library](#).
- ▶ Added *Format* popup menu to *Window > Search Sets > Actions > Add results to DEVONthink*. Available formats are resource, bookmark, summary, paginated and unpaginated PDF, and web archive.

- ▶ Action script *File Results in DEVONthink Pro* to easily file new results in DEVONthink Pro's global inbox. One group is created for each search set/query.
- ▶ Command *Add PDF to DEVONthink* added to contextual menu of PDF results viewed in a browser window.

Improved:

- ▶ Plugins *News > Rocketnews* and *References > SEC* updated.
- ▶ Plugin *Browsers > DEVONthink Pro Office* (now compatible to authenticated server of DEVONthink Pro Office 2.5 and later).
- ▶ Search sets *Macintosh News (Latest/More)* updated (now looks for Mountain Lion news).
- ▶ Enhanced action script *Convert Results to RSS Feed* creates the RSS files in ~/Sites/rss. After enabling web sharing the feed can be easily viewed.
- ▶ Action scripts can access the HTML source of results.
- ▶ Filtering of links to social bookmarking and to cached pages.
- ▶ Tube and video scanners; Tube scanner is again compatible to e.g. YouTube and Dailymotion.
- ▶ Reliability of import of web browser bookmarks.
- ▶ Caching of thumbnails of objects.
- ▶ Support for thumbnails downloaded from [thumbshots.com](http://thumbshots.com).
- ▶ *Preferences > Email* now uses the system-wide keychain.
- ▶ Handling of HTML/HTTP dates.
- ▶ Retina graphics added.
- ▶ French and German localizations.
- ▶ Minor user interface improvements.
- ▶ Overall reliability.

Fixed:

- ▶ The embedded version of DEVONagent Express didn't exclude the specified hosts/links.
- ▶ Bookmarklets had no icon in the *Bookmarks* pane of browser windows.
- ▶ Support/Welcome Assistant didn't work on non-admin accounts.
- ▶ Crashes of web browser windows.
- ▶ Minor memory leaks of download manager and search windows.
- ▶ Glitch of Dock icon on Mac OS X 10.6.8.
- ▶ Further minor bugs and glitches.

## VERSION 3.4

This release updates a number of search sets, plugins, and scanners, and no longer excludes Amazon, Dell, and eBay by default. It also improves following links and adds a new mode for searching instead of just crawling sites. This version is also slightly faster and more reliable. This update is recommended for all users.

New:

- ▶ *Follow links* pop-up menu with more granular control over which links are followed.
- ▶ Sites of search sets can be crawled and searched using common search engines.
- ▶ History in Go menu includes timestamps.
- ▶ New search set *Macintosh News (More)* demonstrates the new search possibilities of search sets.

Improved:

- ▶ Notification center messages on OS X 10.8 Mountain Lion.
- ▶ Network errors are now usually displayed directly in the web browser.
- ▶ Search set *Macintosh News* renamed to *Macintosh News (Latest)*.

- ▶ *Apple (Feeds), Macintosh News (Later), Marketing, and New Software* default search sets.
- ▶ *Images & Videos > Infos (Videos) and Legal > Google Scholar (Legal opinions & journals)* plugins.
- ▶ *Thumbnail Galleries* and *Tube* scanners more reliable; the *Tube* scanner is again compatible to YouTube.
- ▶ Plug-ins *References > Wikipedia* and *Dictionaries > Wiktionary* query language specific sites depending on the selected language.
- ▶ Amazon, Dell and eBay aren't excluded by default anymore.
- ▶ Localized sorting of most views.
- ▶ Left/right arrow keys can now be used to expand or collapse multiple selected items in list and outline views, too.
- ▶ Keyboard shortcuts.
- ▶ Support assistant.
- ▶ Compatibility to RSS 2.0 feeds.
- ▶ HTML/XML encoding support.
- ▶ More precise handling of number of results per plugin if the option *Ignore Umlauts* is enabled.
- ▶ Cocoa/XML plug-in API extended.
- ▶ Further optimizations for 64-bit mode.
- ▶ Sparkle framework updated.
- ▶ Reliability and performance.
- ▶ Memory management.

#### Fixed:

- ▶ Plugin *Blogs > Google Blog Search*.
- ▶ Clicking on objects with  $\mathbb{8}$  held in the *Results* tab of search windows did not select multiple items.
- ▶ Font size of RSS style sheets on Retina displays.
- ▶ WebKit bugs cannot crash DEVONagent Pro anymore when using AppleScript to create web archives.
- ▶ Added some workarounds for glitches on OS X 10.7.5 and 10.8.
- ▶ Minor glitches.

#### Removed:

- ▶ *Newspaper* RSS style sheet (the font wasn't available on all systems).
- ▶ Obsolete plugin *Apple > Macintosh News*.

### VERSION 3.3

This maintenance release adds compatibility to OS X 10.8 "Mountain Lion", adds sandboxing for the App Store variants, and fixes a number of minor issues. It also supports the new standard *Share* toolbar item, uses notifications on OS X 10.8, and adds new plugins and export options.

█ Note: Starting with this release DEVONagent Pro requires OS X 10.6.8 or later.

#### New:

- ▶ Default toolbar item *Share* for sharing the current page. OS X 10.8 "Mountain Lion" or later.
- ▶ DEVONagent Pro uses notifications on OS X 10.8 "Mountain Lion".
- ▶ Digest supports topics with up to three words.
- ▶ Plugin *Legal > Google Scholar* searching for legal opinions and journals.
- ▶ Go menu lists up to 20 items of today's browsing history.
- ▶ Option for exporting OPML files for outlining and mindmapping from digests.
- ▶ App Store variant is sandboxed. Therefore DEVONagent Pro no longer sets Spotlight comments for downloaded files and the action script *Convert Results to RSS Feed* is not available in the App Store version.

#### Improved:

- ▶ Compatibility to OS X 10.8 "Mountain Lion".
- ▶ 64 bit support.
- ▶ High-resolution application icon for Retina displays.
- ▶ *Back* and *Forward* buttons of browser windows pop up history menus after clicking on them for some time.
- ▶ Cookie handling of [Download Manager](#).
- ▶ [Support Assistant](#) shows an activity indicator while loading data from the Internet.
- ▶ Current state of browser windows and tabs is saved more often.
- ▶ Search set *Marketing* updated.
- ▶ Google plugins updated and simplified.
- ▶ Plugin *Google Scholar* renamed to *Google Scholar (Articles)*.
- ▶ Plugin *Discussion Lists > Usenet Groups* for reliability in Agent mode.
- ▶ *Tube* scanner.
- ▶ *Wikipedia* plugin.
- ▶ Retrieval of link descriptions, e.g. in *Express* mode.
- ▶ Support for Google plugins, e.g. caching of previews.
- ▶ Handling of URLs containing pseudo-anchors.
- ▶ Compatibility to Text Expander.
- ▶ French localization.
- ▶ Memory usage reduced.
- ▶ Overall performance and memory management.

#### Fixed:

- ▶ Black input fields on many web pages (affected only OS X 10.7.4).
- ▶ *File > Save As...* didn't add a saved search to *File > Open Recent*.
- ▶ Useless *Only text* option of toolbar of browser windows was enabled.
- ▶ Dates older than Jan 1, 2001 were not used.
- ▶ Automatically opening the application after a crash didn't reopen the last used browsers and tabs.
- ▶ Minor issues in [Support Assistant](#).
- ▶ Further minor bugs and issues.

#### Removed:

- ▶ Growl support.

## VERSION 3.2

This maintenance release updates a number of plugins, improves the help integration, and fixes a number of minor issues. This update also makes it possible to download DEVONagent Pro as a trial version from the [DEVONtechnologies website](#) and use it with a valid Mac App Store receipt.

#### DEVONagent Pro:

- ▶ **NEW:** DEVONagent Pro accepts a valid Mac App Store receipt, too.
- ▶ **NEW:** Tutorials are directly accessible from the [Help](#) menu and the front page of the [Welcome Assistant](#).
- ▶ **NEW:** Express mode is compatible to the *DuckDuckGo* plugin.
- ▶ **NEW:** Action scripts receive found scanner objects, too.
- ▶ **Improved:** See Also drawer uses only supported URL schemes returned by [DEVONthink Pro](#).
- ▶ **Improved:** Handling of feeds not containing dates.
- ▶ **Improved:** Scripting supports categories of Atom feeds.

- ▶ **Fixed:** Script *Post > To del.icio.us* doesn't require user/password anymore and uses the current tab instead of a new one.
- ▶ **Fixed:** Glitches of scheduled search windows.
- ▶ **Fixed:** Crash while browsing results.
- ▶ **Fixed:** Incompatibility of tab bar to Accessibility.
- ▶ **Fixed:** Removing user-defined XML plugins from subcategories didn't work.
- ▶ **Fixed:** *Click to Play* button in Welcome Assistant was not localized.
- ▶ **Fixed:** Keychain scripting is no longer used as its not available anymore on OS X 10.7 "Lion" and later.
- ▶ **Fixed:** Minor other user interface glitches.

DEVONagent Express or higher:

- ▶ **Improved:** Retrieval of titles and descriptions for links, e.g. for the results of the *Facebook Profiles* plugin.
- ▶ **Improved:** Updated [plugins: Medical > PubMed, Images & Videos > Webshots](#), and *Images & Videos > Picsearch*.
- ▶ **Improved:** Updated *Tube scanner*.
- ▶ **Improved:** Animated frame changes of tooltip of menu extra results.
- ▶ **Fixed:** Rare issue of search engine returning too many results in case of complex queries.

All editions:

- ▶ **Improved:** Plugin [Patents > Google Patents Search](#) updated.
- ▶ **Improved:** Help integration.
- ▶ **Improved:** Overall performance and stability.
- ▶ **Fixed:** Cursor is now an arrow instead of an I-beam over popup and clear buttons of search fields.

## VERSION 3.1.2

This update is a maintenance update that brings support for Google Chrome bookmarks, allows you to add scripts to toolbars, can generate preview thumbnails via [Thumbshots.com](#), opens the menu extra also in OS X 10.7 Lion's fullscreen mode (via the hotkey), and fixes a number of minor bugs and glitches.

DEVONagent Pro:

- ▶ **NEW:** Support for Google Chrome bookmarks.
- ▶ **NEW:** Scripts inside the subfolder "Toolbar" can be added to the toolbar of search and browser windows. Custom icons are used if available.
- ▶ **Improved:** See also support for the [DEVONtechnologies user forum](#).
- ▶ **Improved:** Apple Mail is no longer used as fallback if sending email fails.
- ▶ **Improved:** Support Assistant.
- ▶ **Fixed:** Disabled plugins were listed in the popup menu of the menu extra.
- ▶ **Fixed:** Search engines returned too many results in case of proximity operators followed by multiple other words or operators.
- ▶ **Fixed:** Localized names for Safari's reading list.

DEVONagent Express or higher:

- ▶ **NEW:** Thumbnails can alternatively be generated via [Thumbshots.com](#) (faster but lower quality). [See also p. 59ff](#)
- ▶ **Improved:** Marketing default search set.
- ▶ **Improved:** Thumbnail Gallery scanner.

All editions:

- ▶ **Improved:** Updated *References > SEC* plugin.

- ▶ **Improved:** French localization.
- ▶ **Improved:** About and splash panels.
- ▶ **Fixed:** Minor interface glitches.

### VERSION 3.1.1

#### DEVONagent Pro:

- ▶ **NEW:** *Scripts > Window > Open Last Safari session* opens last Safari session.
- ▶ **NEW:** *Search windows* display number of unread results in upper right corner.
- ▶ **NEW:** Names of plugins can be used as "[Mozilla keywords](#)" in browser window address bar.
- ▶ **Improved:** Slightly revised scanner popup menus.
- ▶ **Improved:** See Also results for new DEVONtechnologies website and apple.com.
- ▶ **Improved:** *Embedded Multimedia* scanner renamed to *Tubes*.
- ▶ **Improved:** Revised and completed German and French localizations of description of scanners.
- ▶ **Fixed:** See Also pane listed sometimes related websites twice.
- ▶ **Fixed:** Automator actions compatible to OS X 10.7 Lion and [DEVONthink Pro \(Office\) 2.x](#).
- ▶ **Fixed:** Issues with handling of saved searches.
- ▶ **Fixed:** Some menu items were not disabled in OS X Lion's fullscreen mode.
- ▶ **Fixed:** Support Assistant updated for new DEVONtechnologies website.
- ▶ **Fixed:** Support Assistant no longer showed tutorials.

#### DEVONagent Express or higher:

- ▶ **Improved:** *DEVONtech Forum*, *Googlism*, *PubMed*, *Twitter*, and *Wiktionary* plugins updated.
- ▶ **Improved:** *Wallpaper*, *Thumbnail Gallery*, and *Tubes* scanners.
- ▶ **Improved:** Filtering of links to login pages or social bookmarking.
- ▶ **Fixed:** Various glitches of *Preferences*, *Menu Extra tab*.
- ▶ **Fixed:** Memory leak of *Wallpaper* scanner.

#### All editions:

- ▶ **NEW:** Search fields support also keywords and names of plugins as well as names of search sets followed by a colon, e.g., "google:term" or "marketing:apple", to easily switch the current plugin/search set.
- ▶ **Improved:** Tooltips of popup menus of search fields include keywords, too.
- ▶ **Improved:** Links updated for new [DEVONtechnologies website](#).
- ▶ **Fixed:** Various other minor bugs and glitches.

### VERSION 3.1

#### DEVONagent Pro:

- ▶ **NEW:** Completely revised, dynamic *See Also* pane.
- ▶ **NEW:** More useful *See Also* results for the [DEVONtechnologies website](#) and [Apple's developer website](#).
- ▶ **NEW:** Contextual menu command *Add Image To Archive*.
- ▶ **Improved:** Slightly revised highlighting of selected objects in icon views.
- ▶ **Improved:** *View > Show Icon Previews* toggles the icons in all currently visible panes.
- ▶ **Improved:** *Escape* key can be used to exit full screen mode of search windows on OS X 10.7 Lion.
- ▶ **Improved:** *Scripts* menu supports custom icons.
- ▶ **Improved:** *Plugin Assistant* recognizes additional parameters.
- ▶ **Improved:** AppleScript support.
- ▶ **Improved:** Mac App Store compatibility.

- ▶ **Fixed:** Frame and zooming of search windows were not always correct.
- ▶ **Fixed:** Advertisement filter didn't always work on OS X 10.7 Lion.
- ▶ **Fixed:** Several glitches of download manager on OS X 10.7 Lion.
- ▶ **Fixed:** Adding images to DEVONthink sometimes submitted a wrong MIME type.
- ▶ **Fixed:** Random bug of See Also causing poor results.
- ▶ **Fixed:** Opening multiple selected objects in [PhotoStickies](#) could launch multiple copies of PhotoStickies.
- ▶ **Fixed:** Icon previews were not shown for all [DEVONthink Pro](#) results.
- ▶ **Fixed:** Several glitches in the [Support Assistant](#).

DEVONagent Express or higher:

- ▶ **NEW:** Several additional symbols (\$€£¥%\$) are now supported for searching for price or legal information.
- ▶ **Improved:** More reliable *Webcam*, *Embedded Multimedia*, *Thumbnail Gallery*, and *Wallpaper* scanners.
- ▶ **Improved:** *Marketing* and *Apple (Feeds)* search sets.
- ▶ **Improved:** *Embedded Multimedia* and *Linked Video* scanners recognize .f4v files.
- ▶ **Improved:** *Thumbnail Gallery* scanner.
- ▶ **Improved:** Advertising filter.
- ▶ **Improved:** *Similar Pages* filters now only pages without any additional, unique objects if a scanner is selected.
- ▶ **Improved:** Filtering of links to cached pages.
- ▶ **Improved:** Higher quality of icon previews for Facebook profiles.
- ▶ **Improved:** Default settings for some search sets.
- ▶ **Improved:** Handling of redirect/forward patterns.
- ▶ **Improved:** Compatibility of RSS parser to buggy feeds.
- ▶ **Improved:** Handling of storages used by background processes.
- ▶ **Fixed:** Various issues of handling of [range] wildcards.
- ▶ **Fixed:** *Embedded Multimedia* scanner is again compatible to [YouTube](#).

All editions:

- ▶ **Improved:** *DEVONtech Forum* plugin.
- ▶ **Improved:** Reliability, performance, and memory management.
- ▶ **Fixed:** Further minor bugs and glitches.

Note: Characters separated by dots are now considered to be abbreviations and therefore handled like words separated by hyphens, e.g., the term a.b.c is equal to "a b c" OR abc and matches a b c, a.b.c, abc, a-b-c etc.

## VERSION 3.0.5 – 3.0

Skipped.

## VERSION 2.3.1

- ▶ **NEW:** 'Open Current URL in RSS Reader' script, opens the URL of the frontmost browser window in the default RSS reader.
- ▶ **NEW:** Button of web PDF views to save document to download folder (Mac OS X 10.5 'Leopard' only).
- ▶ **NEW:** Smart update handling using Sparkle.
- ▶ **Improved:** Plugins updated: Citeseer, Clinical Trials, DEVONtechnologies user forum, Email, Feeds, Linked Audio, Linked Video, Healthfinder, Nucleotide, PubMed, MedlinePlus, Medscape, WebMD.
- ▶ **Improved:** Scanners updated: Thumbnail Galleries, Wallpapers, Webcams.
- ▶ **Improved:** Search sets updated: Macintosh News, Marketing.

- ▶ **Improved:** Spam and advertisement filters.
- ▶ **Improved:** Thumbnail retrieval for scanners.
- ▶ **Improved:** Following of links.
- ▶ **Improved:** Unification of URLs.
- ▶ **Improved:** Retrieval of author from RSS feed.
- ▶ **Improved:** Retrieval of titles/descriptions for links.
- ▶ **Improved:** Filtering of links to social bookmarking and translation services, search engines.
- ▶ **Improved:** Compatibility to bad HTML/XML code and bookmarks not conforming to RFC 1808.
- ▶ **Improved:** Handling of browsing history.
- ▶ **Improved:** 'Open Linked JPEG Images' and 'Open Linked JPEG Images in Tabs' scripts.
- ▶ **Improved:** Shortcut for full screen mode changed to ⌘F8 for compatibility with Spaces on Mac OS X 10.5 'Leopard'.
- ▶ **Improved:** Contextual menu plugin more compatible on Mac OS X 10.5 'Leopard'.
- ▶ **Improved:** Further minor user interface enhancements.
- ▶ **Improved:** JavaScript support optimized for Mac OS X 10.4.11 or later.
- ▶ **Improved:** Naming of shortcuts for scripts supports also 'shft' instead of 'shift'.
- ▶ **Improved:** Error logging.
- ▶ **Improved:** French localization.
- ▶ **Improved:** Overall search and archiving performance.
- ▶ **Improved:** Compatibility to Mac OS X 10.4 'Tiger'.
  
- ▶ **Fixed:** Bug causing links to be followed.
- ▶ **Fixed:** Possible issues with Mac OS X 10.5 'Leopard' and Intel-based Macs.
- ▶ **Fixed:** Minor bugs and glitches.
  
- ▶ **Removed:** 'Add Results to DEVONthink Pro' script. Will be part of a future release of DEVONthink Pro.

## VERSION 2.3 – 1.0

Skipped.

## LICENSE AGREEMENT

PLEASE READ THIS LICENSE CAREFULLY BEFORE USING THIS SOFTWARE. BY USING THIS SOFTWARE, YOU ARE AGREEING TO BE BOUND BY THE TERMS OF THIS LICENSE AGREEMENT. IF YOU DO NOT AGREE TO THE TERMS OF THIS LICENSE, DELETE THE SOFTWARE OR RETURN THE SOFTWARE AND RELATED DOCUMENTATION TO DEVONTECHNOLOGIES, LLC.

**1. License:** The application and other components (sound and graphics) accompanying this License, whether on disk, in read only memory, or on any other media (the "Software"), and the related documentation are licensed to you by DEVONtechnologies. You own the disk on which the Software is recorded but DEVONtechnologies and/or DEVONtechnologies' Licensor(s) retain title to the Software and related documentation. This License allows you to non-simultaneously use the Software on multiple computers by the same person.

**2. Restrictions:** The Software contains copyrighted material, trade secrets and other proprietary material and in order to protect them you may not decompile, reverse engineer, disassemble or otherwise reduce the Software to a human-perceivable form. You may not sub-license, modify, rent, lease, or create derivative works based upon the Software in whole or in part. You may not distribute the Software in any form, including, but not limited to, electronic information service distribution, bulletin board distribution, and magnetic or optical medium distribution.

**3. Disclaimer of Warranty on Software:** You expressly acknowledge and agree that use of the Software is at your sole risk. The Software and related documentation is provided "AS IS" and without warranty of any kind.

**4. Limitation of Liability:** UNDER NO CIRCUMSTANCES INCLUDING NEGLIGENCE, SHALL DEVONTECHNOLOGIES BE LIABLE FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES THAT RESULT FROM THE USE OR INABILITY TO USE THE SOFTWARE OR RELATED DOCUMENTATION. In no event shall DEVONtechnologies' total liability to you for all damages, losses and causes of action (whether in contract, tort (including negligence) or otherwise) exceed the amount paid by you for the Software.

Apple, Carbon, Classic, Cocoa, ColorSync, Darwin, Mac OS X, QuickTime, Quartz and all other registered names are trademarks of their respective owners.

## CREDITS

### SMTPMAILDELIVERY

[Dante Palacios](#)

The SMTPMailDelivery library is used according to the [MIT License](#).

### VIDEO JS

Copyright © 2010 [Zencoder, Inc.](#)

The Video JS player is used according to the [LGPL v3](#).

# GETTING STARTED

## In this chapter:

Why use DEVONagent Pro?	15
When to use DEVONagent Pro?	15
First steps with DEVONagent Pro	16

This chapter helps you get started with DEVONagent Pro. It explains why and when to use DEVONagent Pro, and gives you step-by-step instruction in how to run a first query.

## WHY USE DEVONAGENT PRO?

A common misconception is that DEVONagent Pro is a simple front-end to [Google](#) or [Bing](#). This is far from the truth. DEVONagent Pro is a very capable Internet research assistant that handles tedious research tasks such as weeding out bad search results, spotting linked documents, and finding information on a webpage.

Searches with DEVONagent Pro take longer than quick searches on a Web search engine because DEVONagent Pro downloads each resulting page instead of only presenting you with a link to it. DEVONagent Pro searches also return fewer results since DEVONagent Pro filters broken links, advertisements, and outdated pages. This feature actually saves time because you do not have to do all this manually.

Reasons for using DEVONagent Pro include:

- ▶ You get much better search results.
- ▶ You don't have to do all the tedious, repetitive tasks involved in a search; DEVONagent Pro does them for you, freeing you to spend more time on meaningful, more important tasks.
- ▶ You can search more specifically using DEVONagent Pro's advanced operators and search sets.
- ▶ You get the results in a much more natural presentation in the [Digest](#).
- ▶ You can archive interesting searches and review or expand those searches on another day.

- ▶ You use a specialized web browser with research-centric additions, e.g., the [sidebar](#).
- ▶ You can use DEVONagent Pro to run regular searches when you are not at the computer, and it will present the results, if any, when it has finished.

## WHEN TO USE DEVONAGENT PRO?

DEVONagent Pro outperforms other Web search engine, especially for research purposes, but it is not necessarily a useful tool for simple, every-day searches. Because DEVONagent Pro downloads all results to your Mac to analyse and post-process, a search run takes between a few seconds and several minutes.

Use DEVONagent Pro for:

- ▶ Getting answers to a question
- ▶ Finding all available data about a subject
- ▶ Searching multiple search engines and websites with just one click
- ▶ Scraping objects from webpages, e.g., images, email addresses, or RSS feeds
- ▶ Keeping up-to-date on a subject, e.g., with scheduled searches

Don't use DEVONagent Pro for:

- ▶ Finding the webpage of company X or product Y
- ▶ Finding a very specific image or video
- ▶ Finding the definition for a word quickly, e.g., on [Wikipedia](#)

## FIRST STEPS WITH DEVONAGENT PRO

**A first search:** While DEVONagent Pro is a real power tool, searches do not need to be overly complex. Running a simple search using DEVONagent Pro is no more complicated than using Google or Bing.

- ▶ [Run a first search with a few simple steps](#)

**The next steps:** Now that you know how to run a first search you can take the next steps unaided. Here are a few chapters for you to continue exploring DEVONagent Pro:

- ▶ [More common tasks](#)

- ▶ [How to formulate a good query](#)
- ▶ [How to create your own search sets](#)
- ▶ [Customize DEVONagent Pro to your preferences](#)
- ▶ [Create your own plugin](#) if your search engine is not supported

Finally, DEVONagent Pro and the DEVONtechnologies website offer additional information and assistance:

- ▶ Open the [Support Assistant](#) for on-screen tutorials and regularly updated tips
- ▶ Read the [frequently asked questions](#)
- ▶ Visit our lively [user forum](#)

# COMMON TASKS

## In this chapter:

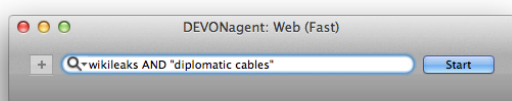
How to find on the Internet	17
How to search beyond Google	17
How to customize DEVONagent Pro	18
How to set up a search set to crawl feeds	18
How to run a search automatically	19
How to archive search results	20

This chapter explains common tasks in DEVONagent Pro in a step-by-step way and points you to related topics.


## HOW TO FIND ON THE INTERNET

DEVONagent Pro's main objective is to find stuff on the Internet. It does so by sending a query (search term) to a selected set of search engines, e.g., [Google](#), collecting the results, analyzing them, and presenting them to you.

You tell DEVONagent Pro which search engines to use by selecting a plugin (contains instructions telling DEVONagent Pro how to communicate with a search engine) or search set (combinations of multiple plugins and other options). DEVONagent Pro comes with a large number of pre-fab plugins and search sets already installed. [See also p. 86ff](#)



**Step by step:** You are trying to find information about the WikiLeaks disclosure of diplomatic cables.

- ▶ **Step 1:** Open a new search window with [File > New Search](#).
- ▶ **Step 2:** Choose the search set you want to use in the magnifying glass  pop-up menu: *Web (Fast)*
- ▶ **Step 3:** Enter your query (search term): wikileaks AND "diplomatic cables"
- ▶ **Step 4:** Click *Start*.

▶ [Click here](#) to make DEVONagent Pro run the search.

The best choice for a simple but comprehensive search is the pre-fab *Web (Fast)* search set. It is a multi-purpose search set that sends your query to the three major search engines: [Google](#), [Bing](#), and [Yahoo](#). Alternatively, you can choose plugins directly, e.g., the one for Google, in the magnifying glass pop-up menu.

**DEVONagent Pro Advantage:** You can use advanced Boolean operators. Doing so returns a pre-processed summary including extracted topics rather than just a simple list of links. In addition, DEVONagent Pro queries multiple search engines for you with one single click.

Next steps:


- ▶ [Fine tune your search with the Settings tab](#)
- ▶ [Design a good query](#)
- ▶ [Learn more about the advanced Boolean operators](#)
- ▶ [Create your own search sets](#)

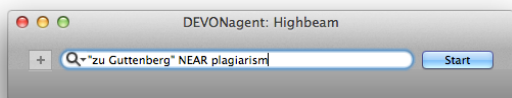
Related topics:

- ▶ [The search window explained](#)
- ▶ [List of pre-fab search sets](#)
- ▶ [List of built-in search engine plugins](#)


## HOW TO SEARCH BEYOND GOOGLE

DEVONagent Pro can not only run queries on Google and Bing, but comes with a large number of plugins that let it use less common search engines such as [FindLaw](#), [PubMed](#), or [Highbeam](#).

Just choose the right plugin before you start your search from the magnifying glass  pop-up menu in the search field.



**Step by step:** You are trying to find newspaper articles about the former German defence minister who had to resign because he copied large parts of his doctor thesis.

- ▶ **Step 1:** Open a new search window with [File > New Search](#).
- ▶ **Step 2:** Choose the plugin to use in the magnifying glass  pop-up menu: *References > Highbeam*
- ▶ **Step 3:** Enter your query (search term): "zu Guttenberg" plagiarism
- ▶ **Step 4:** Click *Start*.

DEVONagent Pro sends the results to the Highbeam article search engine and presents you with the results.

▶ [Click here](#) to make DEVONagent Pro run this search for you.

Next steps:

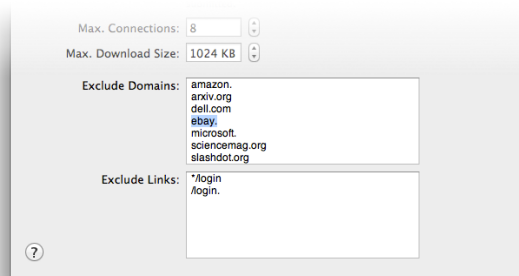
- ▶ [Design a good query](#)
- ▶ [Learn more about the advanced Boolean operators](#)

Related topics:

- ▶ [The search window explained](#)
- ▶ [List of pre-fab search sets](#)
- ▶ [List of built-in search engine plugins](#)

## HOW TO CUSTOMIZE DEVONAGENT PRO

Like most other Mac applications, DEVONagent Pro can be customized to better fit your needs. You adjust all of DEVONagent Pro's setting in its [Preferences](#).



**Step by step:** You want to exclude all links to eBay from the results.

- ▶ **Step 1:** Open the [Preferences, Search tab](#).
- ▶ **Step 2:** Click into the *Exclude Domains* field.
- ▶ **Step 3:** Add 'ebay.' (with the dot, but without the single quotes) to the list.

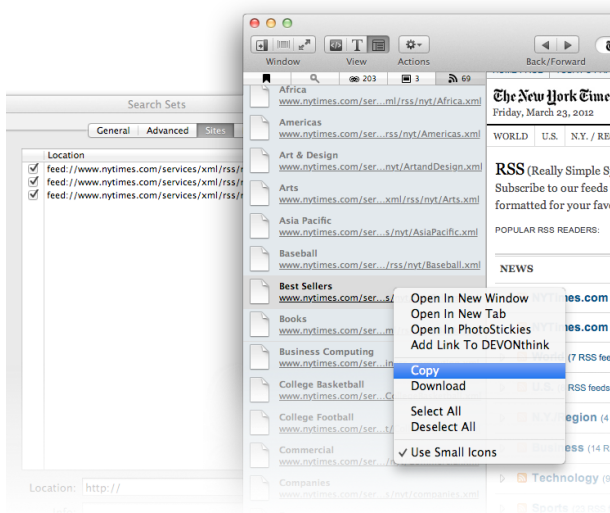
This filters all results with addresses containing the string 'ebay.'

Next steps:

- ▶ [Set the other preferences to your needs](#)
- ▶ [Learn more about the other options in the DEVONagent Pro menu](#)
- ▶ [Learn more about the other options in the action menu](#)

## HOW TO SET UP A SEARCH SET TO CRAWL FEEDS

DEVONagent Pro not only queries search engines for you, it can also search on its own by "crawling" a specified list of webpages or news feeds and scanning them for the search term. This feature is handy when you have a number resources you want to watch, e.g., subject-specific news sites or feeds.



**Step by step:** You want to search one of the New York Times news feeds.

- ▶ **Step 1:** [Click here](#) to open the *Search Sets* window. Open it manually using *Window > Search Sets*.
- ▶ **Step 2:** Click the + button to create a new set. Name it, e.g., "New York Times".
- ▶ **Step 3:** Switch to the *Sites* tab.
- ▶ **Step 4:** [Click here](#) to open the New York Times RSS page in a new web browser window.
- ▶ **Step 5:** Show the "Objects" tab of the *sidebar* using *Web > Sidebar > Objects* and switch to the  tab.
- ▶ **Step 6:** Copy the address of any RSS feed of interest by right-clicking it and choosing *Copy* from the contextual menu.
- ▶ **Step 7:** Switch to the *Search Sets* window and paste it, e.g., by pressing  $\text{⌘}V$ . or using *Edit > Paste*.

Repeat Steps 6 and 7 for any feeds that you want to add to your "New York Times" search set. You can now use this set like any other search set or plugin. Instead of querying any search engines, it will download the current state of all the feeds you have added and search them for occurrences of your search term.

Next steps:

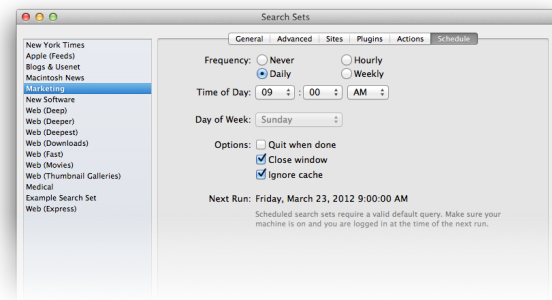
- ▶ [Run a first query](#)
- ▶ [Design a good query](#)
- ▶ [Learn more about the advanced Boolean operators](#)
- ▶ [Run your search automatically](#)

Related topics:

- ▶ [More about search sets](#)

## HOW TO RUN A SEARCH AUTOMATICALLY

*Search sets* are not only collections of rules about how to run a search, they are also the key to research automation in DEVONagent Pro. Add a *default query* to a search set and set its scheduler to make DEVONagent Pro run the search when you're not around, e.g., in the middle of the night, and execute chosen actions when the search is completed.



**Step by step:** You want to run the "Marketing" search set automatically once every day and send the results to you by email.

- ▶ **Step 1:** [Click here](#) to have the *Search Sets* window opened and the "Marketing" search set selected for you.
- ▶ **Step 2:** Switch to the *Actions* tab.
- ▶ **Step 3:** Check *Send mail to* and enter your email address.
- ▶ **Step 4:** Switch to the *Schedule* tab.
- ▶ **Step 5:** Select *Daily* and set the time to, e.g., 9 a.m.

As the "Marketing" search set contains a default query on the *General* tab, you are done. Tomorrow morning at 9 a.m. DEVONagent Pro will automatically activate and run a search for the default query of the "Marketing" set. When it is finished, it will send a summary email to the specified email address.

Note: Your Mac needs to be on at the time the search set is scheduled to run. DEVONagent Pro is not able to wake your Mac up from sleep mode.

Next steps:

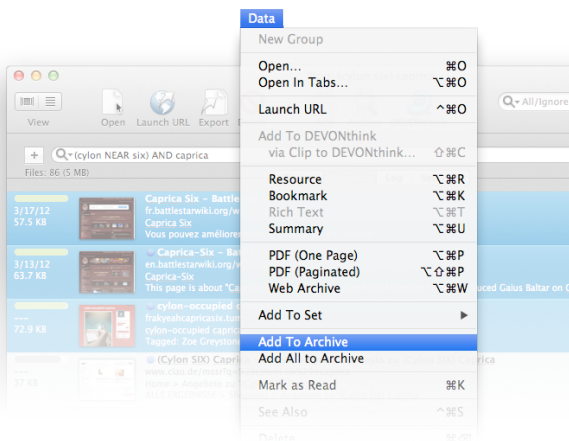
- ▶ [Learn more about actions](#)
- ▶ [Learn more about the schedule options](#)

Related topics:

- ▶ [Learn more about search sets](#)

## HOW TO ARCHIVE SEARCH RESULTS

After you have found good data on the Internet, it is likely you're only halfway to your desired outcome. You will want to keep the best results for future reference. For this reason, DEVONagent Pro comes with a built-in archive.



**Step by step:** You want to archive all results of a search run.

- ▶ **Step 1:** Run a search, e.g., with the Bing or Google plugin.

- ▶ **Step 2:** Choose [Data > Add All To Archive](#).
- ▶ **Step 3:** The results have been saved to the [archive](#) in a group named after your query.

**Step by step:** You want to archive results from a search run.

- ▶ **Step 1:** Run a search, e.g. with the Bing or Google plugin.
- ▶ **Step 2:** Switch to the *Results* tab, e.g., by pressing ⌘2.
- ▶ **Step 3:** Select the results you want to archive.
- ▶ **Step 4:** Choose [Data > Add To Archive](#).
- ▶ **Step 5:** The results have been saved to the [archive](#) in a group named after your query.

As an alternative to using [Data > Add To Archive](#), [Data > Add All To Archive](#), and [Window > Archive](#), you can use the *Add*, *Add All*, and *Archive* toolbar icons of the [search window](#). You may need to add the tools to the toolbar using [View > Customize Toolbar](#).

Next steps:

- ▶ [Work with the archive](#)

Related topics:

- ▶ [Adding results to DEVONthink](#)

# QUERIES

## In this chapter:

Operators	21
Designing a search query	22

DEVONagent Pro provides powerful Boolean operators that allow users to precisely define a search query.

Queries can range from uncomplicated one-word search terms to complex multi-term queries. The rules for formulating queries are simple. By studying the rules and the Boolean operators, and with a little practice, users can 'tell' DEVONagent Pro exactly what to look for in a search.

## OPERATORS

### PLUGIN/SET SELECTION

To quickly select which plugin or search set DEVONagent Pro uses, start the query with the name of the plugin or search set or [keyword](#) followed by a colon.

Example: google:devonthink

### CASE

Terms are NOT case sensitive. You may use capitalization for proper names in a query, but DEVONagent Pro will ignore case in interpreting the query.

### PRECEDENCE OF TERMS

Search terms and associated operators will be interpreted from left to right, except as modified by including portions of the query within parentheses.

## BOOLEAN OPERATORS

The operators (often called Boolean operators) are words or symbols that establish logical rules for the terms in the search query. These are:

- ▶ **term1 AND term2:** Contains term1 AND term2
- ▶ **term1 BUT term2:** Contains term1 AND term2
- ▶ **term1 OR term2:** Contains term1 OR term2
- ▶ **term1 XOR term2:** Contains term1 or term2, but not both
- ▶ **term1 EOR term2:** Contains term1 or term2, but not both
- ▶ **NOT term:** Does not contain term
- ▶ **"term1":** Contains the string term1, in exactly this form; uses fuzzy matching (e.g. "DEVON tech" matches also "DEVON-tech" or "DEVON ++++tech"); accepts also the '\*' operator, like 'BEFORE' but more precise.

Besides the classic Boolean operators, DEVONagent Pro features a number of operators usually only found in high-end databases. Use them as a replacement for AND and "quotes" to fine tune your query.

- ▶ **term1 NEAR term2:** term1 occurs 10 words or less before or after term2
- ▶ **term1 NEAR/n term2:** term1 occurs n or less words before or after term2
- ▶ **term1 BEFORE term2:** term1 occurs before term2
- ▶ **term1 BEFORE/n term2:** term1 occurs n or less words before term2
- ▶ **term1 NEXT term2:** term1 occurs right before term2 (shortcut for BEFORE/1)
- ▶ **term1 NEXT/n term2:** term 1 occurs n or less words before term2 (synonym for BEFORE/n)
- ▶ **term1 AFTER term2:** term1 occurs after term2
- ▶ **term1 AFTER/n term2:** term1 occurs n or less words after term2
- ▶ **term1 OPT term2:** term1 is mandatory but term2 is optional. If term2 is also found the result is ranked higher.

- ▶ **~term1:** Contains all words that begin or end with term1 (words containing term1 as a part of the word; depends on the queried search engine)

Note: See chapter [Designing a Search Query](#) for examples on how to use all these operators effectively.

For convenience, some of these operators can also be abbreviated using commonly used symbols:

- ▶ **AND:** &, &&, +
- ▶ **OR:** |, ||
- ▶ **XOR:** ^, ^^
- ▶ **NOT:** !, -

Note: The symbols above also are used by the Finder and Spotlight for searches. Enter the vertical ruler character for the OR operator by pressing `⇧7`, `⇧\` or the appropriate keyboard combination for your keyboard layout.

## WILDCARDS

You can replace parts of words with wildcards matching one, multiple, or a range of characters:

- ▶ **?:** Matches exactly one character.
- ▶ **\***: Matches none, one, or multiple characters.
- ▶ **[a-b]:** Matches one character of the range 'a' through 'b'.
- ▶ **[abc...]** or **[a|b|c|...]:** Matches one character out of the given list of characters.
- ▶ **[^...]:** Matches one character that is not contained in the given list or range.

Note: [Primary queries](#) only support wildcards for sites, not for plugins or search engines.

## SPECIAL RULES

To search for a word that is also the name of an operator, put the word inside quotation marks. The following example searches all four terms including the word "near":

Example: Beach "near" Los Angeles

## DESIGNING A SEARCH QUERY

Writing your query as simply and as precisely as possible is the key to good search results. Following are some tips on how to write a good query.

## DESIGNING A GOOD QUERY

Suppose you want to search for information about the mercury contamination of fish, and to focus on information released by or referring to the United States Environmental Protection Agency.

One problem with trying a simple AND search for a group of words is that the Environmental Protection Agency is referred to in various ways: Environmental Protection Agency, EPA and E.P.A.

If we tried the search string

Example: Environmental AND Protection AND Agency AND EPA AND E.P.A. AND fish AND mercury

we would probably get no results at all, as no single article would use all three terms for the environmental agency. And even if we were to get search results, we would get irrelevant results stemming from the terms environmental, protection and agency.

Here's a better way to design the query:

Example: ("Environmental Protection Agency" OR EPA OR "E.P.A.")

which will pick up the variants in naming the agency in articles. Note that the two strings enclosed in quotation marks will now be treated as phrases. This reduces ambiguity. Also note the use of parentheses and the OR operator. We have now covered all three variants of common names used for the environmental agency. DEVONagent Pro will look for pages containing any one of those names.

Another potential ambiguity is created because it's possible that a large reference source might contain the word 'fish' in one section dealing with fishery resources, and contain the word 'mercury' in another section dealing with the history of barometers. We're simply not interested in that item. But if we use the NEAR operator between 'fish' and 'mercury' it's likely that we will get useful results, since this query places the space between the two terms at 10 words or less.

The refined query now becomes:

Example: ("Environmental Protection Agency" OR EPA OR "E.P.A.") AND (fish NEAR mercury)

Notice that a second set of parentheses was used so that DEVONagent Pro doesn't wrongly interpret the query as requiring that both the environmental agency name and 'fish' must be NEAR 'mercury'. That confusion would be created if we wrote the query as:

```
Example: ("Environmental Protection Agency" OR EPA OR "E.P.A." AND fish) NEAR mercury
```

Indeed, the refined search returned highly relevant pages. Of course, this search focused on literature about mercury contamination of fish in the United States. To change the geographical focus, one would simply replace the search strings in the first set of parentheses with, e.g., ("European Union" OR EU).

## IMPROVING YOUR QUERY

Besides the typical Boolean operators AND, OR and NOT, DEVONagent Pro provides much more powerful NEAR, BEFORE and AFTER operators. Typically, only scientific high-end databases feature these operators, but DEVONagent Pro makes them available for Web research.

Note: Because almost none of the Web search engines support these operators, DEVONagent Pro sends the simpler AND query to them and applies the more sophisticated operators to the resulting pages.

All three operators connect two search terms closer together than AND, but not as tightly as the phrase operator (double quotes). With the additional distance parameter (e.g., NEAR/5) you can fine tune search results until you get only the results you are looking for.

```
Example: (steve NEAR/2 jobs) BEFORE (intel NEAR (imac OR macbook)) AND "San Francisco"
```

Connecting 'steve' and 'jobs' with NEAR/2 prevents getting result pages of some Steve looking for a job in his page footer. BEFORE makes sure it is a page that mentions Steve Jobs first, followed by the Intel Macs. Finally, the quotes around 'San Francisco' find only pages dealing with the city of San Francisco, not the city San José or a Brother Francisco mentioned elsewhere on the page.

Use the proprietary NEAR, BEFORE and AFTER operators when AND delivers too many results and quote marks delivers too few. Another example:

```
Example: document AND management AND mac
```

This query run with the *Web (Fast)* search set delivers good results. But, many are not what we are looking for. Among good pages, it also presents the [Wikipedia](#) article about Mac OS X because it contains all three words. But, of course, this article is not at all about document management on the Mac. We can refine this query, however, using the special DEVONagent Pro operators:

```
Example: document NEAR/2 management NEAR mac
```

This time, DEVONagent Pro returns fewer results, all of them dealing exactly with our search subject, document management for the Macintosh, because the three words must appear near each other in the text. In most cases, NEAR delivers more accurate results than AND.

## FIRST PRINCIPLE OF A SUCCESSFUL QUERY

Make the query precise and unambiguous. DEVONagent Pro's tools for clarifying your query are clear and simple and will help you obtain a high percentage of useful results.

# SEARCH SETS

## In this chapter:

What are search sets?	24
Choosing a search set	24
Creating and managing sets	25
Sharing sets	26
General tab	26
Advanced tab	27
Sites tab	28
Plugins tab	29
Actions tab	29
Schedule tab	30

The quality of a query relies not only on the entered search term, it also relies heavily on the selected settings. Search sets are collections of all the parameters (settings) related to a search run. Use search sets to quickly tweak your settings, depending on what you are searching for on the Internet. This ensures that you always get the best results.

## WHAT ARE SEARCH SETS?

Search sets basically are collections of all the parameters related to a search run:


- ▶ A default query
- ▶ Follow links settings
- ▶ Filters and associated [scanners](#)
- ▶ Sites to scan, [plugins](#) to use
- ▶ Actions to run when the search run is completed

## ▶ A schedule

Using these settings, you can create search sets specifically tailored for your research needs. For example, you could create your own sets for:

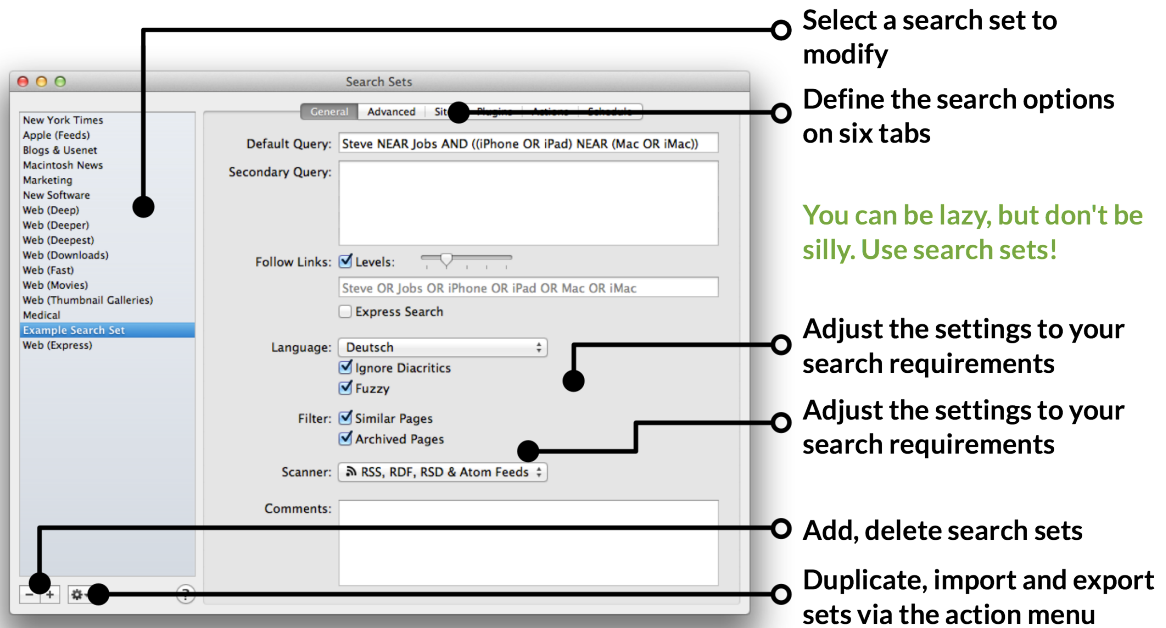
- ▶ Querying the U.S. Patent Office and WIPO databases, along with scanning some important websites related to patents
- ▶ Looking for articles related to [DEVONtechnologies](#) on Google, as well as some Mac news sites, with the search scheduled every three hours and programmed to send a summary to your email address
- ▶ Searching the most important medical databases, e.g., PubMed, Medscape and FDA, in a single search run
- ▶ Querying a number of general search engines like Google, MSN and Yahoo, but filtering out everything except pages with links to Office documents

## CHOOSING A SEARCH SET

Choosing the search set that you want to use for a search run is easy: Click the magnifying glass icon  in a DEVONagent Pro search field and choose a search set from the pop-up menu.

DEVONagent Pro comes with a number of predefined search sets, but you can easily [create your own](#).

## CREATING AND MANAGING SETS



Search sets can be edited, rearranged, exported, imported or deleted. DEVONagent Pro comes with a couple of useful predefined sets, which you can tweak to your needs. Or you can add new ones. Use [Window > Search Sets](#) to open the search set editor.

Note: Some of the settings can also be adjusted on-the-fly in the [Settings](#) and [Advanced](#) tabs.

The search set editor shows a list of all defined search sets and allows you to add new sets or delete the selected set using the + and - buttons, just like other Mac OS X applications, e.g., [iTunes](#) or [iPhoto](#). Rearrange your search sets using drag-and-drop, and single-click the name of any set to change its name.

Note: Some items can be dragged from one search set to another set, e.g., URLs from the sites tab.

To change the settings defined in a set, select it in the list and change the parameters in the right-hand pane. Switch between the areas, [General](#), [Advanced](#), [Sites](#), [Plugins](#), [Actions](#), and [Schedule](#) by using the tabs above the parameter area.

### SHORTCUT

To create a new search set with exactly the same settings as the current search run, click the + button next to the *Stop* button in the [search window](#). This creates a new search set with exactly the same settings including the query as the default query.

### ACTION MENU

The *Action* menu, available from the gear button below the search set list, gives you access to additional commands. [See also p. 25ff](#)

### CONTEXTUAL MENU

The contextual menu gives you direct access to frequently used commands.

- ▶ **New:** Creates a new, empty search set.
- ▶ **Duplicate:** Duplicates the selected search set.
- ▶ **Delete:** Deletes the selected search set. Attention: There is NO undo!
- ▶ **Import:** Creates new search sets based on imported files. You can import previously exported sets, as well as OPML files, [Camino](#), [Firefox](#), [Chrome](#), [OmniWeb](#) or Safari bookmarks

or the Safari history file. For OPML, bookmarks and history files, DEVONagent Pro creates a new search set with all URLs imported to the [Sites](#) list.

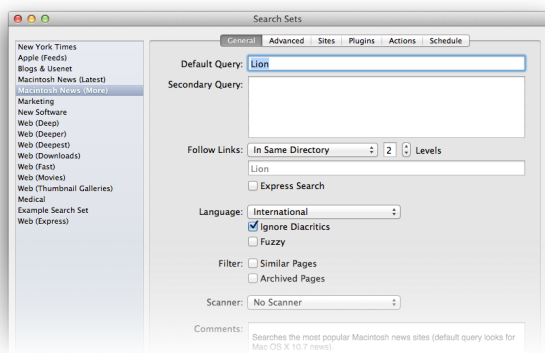
- ▶ **Export:** Exports the selected search sets as separate files. Exported sets get the file name extension '.agentSet' and are XML/plist files. You can import them into DEVONagent Pro by double-clicking them in the Finder.

## SHARING SETS

You can easily share search sets with other DEVONagent Pro users. Export sets using either the [contextual menu](#), the [File > Sets](#) menu command, or by simply dragging them e.g. to the Desktop. You can email exported sets and import them again into DEVONagent Pro simply by double-clicking them in the Finder.

## GENERAL TAB

On the *General* tab, you define the main parameters for this search set such as the default query, which filter and which [scanner](#) to use.



## QUERIES

**Default Query:** Define a default query for this search set. DEVONagent Pro will automatically fill the query field with the default query when you select this search set. This is especially useful if you are using either the same query every time you use this search set or if you are running this set on a [schedule](#).

Example: esa AND (mission NEAR "venus express")

Read more about formulating a query here: [See also p. 21ff](#)

**Secondary Query:** When you enter something here, the primary term (the one entered or the default query) is only used for querying the search engines, not for accepting or rejecting pages. Without a secondary query, DEVONagent Pro uses the primary query for both querying search engines and post-filtering results.

You can use secondary queries for different terms for querying the search engines and accepting/rejecting pages. Although the primary query is restricted to 10 words, the secondary query is not restricted.

Example: Use the asterisk '\*' as your default query to match everything, e.g. when scanning a list of websites or RSS feeds; this option is not applicable with search engine plugins, only with the [Sites](#) list. To accept all pages delivered by a primary query, use the asterisk '\*' as the secondary query.

## FOLLOW LINKS

These options tell DEVONagent Pro to follow promising links on HTML pages and in news feeds. Links are considered 'promising' if they match the entered or default query. If you enter an additional query into the text field below the pop-up menu instead, this query is used to identify promising links.

Example: The query 'Devonian Period -County' follows links containing 'Devonian' or 'Period' but not containing 'County'.

In the pop-up menu choose which links you want DEVONagent Pro to follow:

- ▶ **Off:** Follows no links.
- ▶ **All:** Follows all promising links.
- ▶ **On Same Host:** Follows all promising links leading to the same server (domain).
- ▶ **In Same Directory:** Follows all promising links leading to pages in the same directory.
- ▶ **In Subdirectories:** Follows all promising links leading to pages in the same directory or its sub-directories.

On the right-hand side of the pop-up menu select how many levels deep you want DEVONagent Pro to follow links. One or two levels generally make sense, more is often overkill.

Use the text field below the slider to provide an additional search query that defines which links DEVONagent Pro follows. Use this option to fine tune your settings if you find that DEVONagent Pro follows meaningless links due to the construction of the result pages. Generally, you should leave this field blank and let DEVONagent Pro follow all links matching the entered or default query; the automatically chosen term is displayed in this case.

Example: Enter '\*' to let DEVONagent Pro follow all links, regardless whether or not their text description matches the query.

## EXPRESS SEARCH

Check *Express Search* to enable 'express' mode. In 'express' mode DEVONagent Pro returns results fast, but does not filter the results. If unchecked, DEVONagent Pro operates in 'agent' mode, which is slower but returns post-filtered results and is a more precise and powerful tool.

Note: Scanners and secondary search terms, the similar pages filter, and following links require 'agent' mode. Some plugins may also require 'agent' mode; others may not support 'express' mode.

## LANGUAGE

**Language:** Use this pop-up menu to filter out all pages that do not match the selected language (Dutch, German, English,...) or script system (Arabic, Greek, Hebrew,...) Instead of simply looking for language tags, this filter actually analyzes the page itself.

**Ignore Diacritics:** Check this option to automatically convert diacritics for analysis into a normalized form. This also finds pages that contain German umlauts, French or Czech accents, or other diacritical characters.

Example: Uncheck *Ignore Diacritics* to search for a word with accented characters when you definitely don't want to find the unaccented variant.

**Fuzzy:** Check to search 'fuzzy'. This also finds words with similar but not identical spelling, e.g., 'gray' instead of 'grey'!

## FILTERS, SCANNERS,...

**Filters:** Check the following filters to automatically filter out special pages you don't want to include in the results list:

- ▶ **Similar Pages:** Filters out pages similar to results previously found in the search run.
- ▶ **Archived Pages:** Filters out all pages already stored in the [archive](#). DEVONagent Pro compares only the URLs in this case, not the actual page content.

**Scanner:** Scanner plugins post process and filter the list of found pages by formal criteria. Read more about scanners [in the appendix](#).

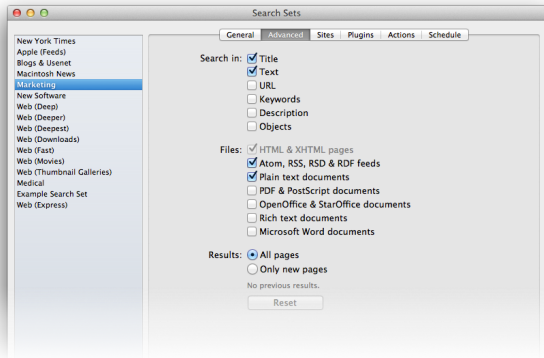
Example: Use this powerful feature unique to DEVONagent Pro to filter, for example, all pages except those containing a thumbnail gallery, linking to Office documents, or containing email addresses.

## COMMENTS

Enter a brief description for a search set here. This description is shown in the tooltips of the [magnifier pop-up menu](#) in a [search window](#).

## ADVANCED TAB

On the *Advanced* tab, you define in which parts of webpages DEVONagent Pro searches, which type of files it searches, and whether it accepts all pages or only new results.



## SEARCH IN

Choose which parts of a document DEVONagent Pro searches for the query. Not all file types have all characteristics.

- ▶ Title
- ▶ Text
- ▶ URL
- ▶ Keywords
- ▶ Description
- ▶ Objects

## FILES

Choose which file types DEVONagent Pro searches and accepts as results.

- ▶ HTML & XHTML pages
- ▶ Atom, RSS, RSD & RDF feeds
- ▶ Plain text documents
- ▶ PDF & PostScript documents
- ▶ OpenOffice & StarOffice documents
- ▶ Rich text documents
- ▶ Microsoft Word documents

## RESULTS

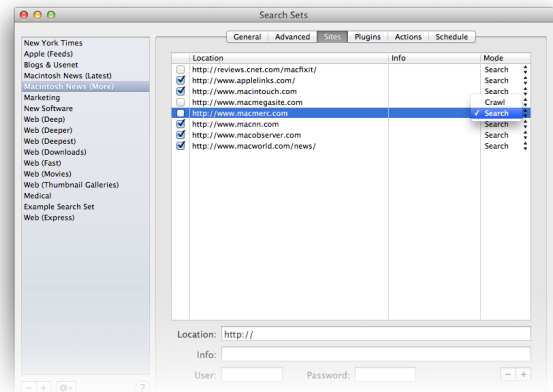
Choose if you want DEVONagent Pro to accept results only from new pages or from all found pages.

- ▶ **All pages:** Always accept all matching pages.
- ▶ **Only new pages:** Accept only new matching pages.

DEVONagent Pro keeps an internal log of found results to recognize which are new. It also lists the number of results stored in the log. To clear the internal log, click the *Reset* button.

## SITES TAB

The *Sites* tab allows you to define a list of webpages that DEVONagent Pro scans when you use this search set. DEVONagent Pro downloads each of these pages and tests whether it matches your query--just like a private little Google. Use it together with the [default query](#) to scan your frequently visited pages for important keywords.



## MANAGING THE SITES LIST

To add a page to the list, enter the URL into the location field at the bottom of the window. If the page requires a user name and password, enter them into the appropriate fields. Click the + button to add the page. To remove a page, select it in the list and click the - button.

You can also use drag-and-drop or copy/paste to add URLs to the sites list, and use the contextual menu to open the page in a [browser window](#) or copy the URL. This also adds the title of the page to the *Info* column when possible. You can copy URLs in this list to the clipboard or drag them to other applications, too.

You can use ranges like [01-31] or [1-31] to quickly add whole ranges of URLs. Add "http://www.classicfm.nl/playlist/per-dag/201202[01-29]" to add all playlist from .../20120201 through .../20120229.

Uncheck a page to exclude it temporarily from being scanned; check the page to include it in the next search run.

## CRAWL VS. SEARCH MODE

DEVONagent Pro can either crawl or search sites added to the list. You can set this option individually for each site.

- ▶ **Crawl:** Downloads the page and adds it to results when it matches the query.
- ▶ **Search:** Searches the site using common search engines. The found results are downloaded and added to the results when they match the query.

Depending [on your settings](#), promising links are followed.

## TAKING OVER URLS

To take over bookmarks from other applications and create new search sets from them, use drag-and-drop or copy/paste, or import bookmarks or OPML files. Open the settings editor and use [File > Import](#) or the [Action](#) menu to import bookmarks from [Camino](#), [Firefox](#), [OmniWeb](#) or Safari, as well as OPML files generated by news readers or [DEVONthink](#).

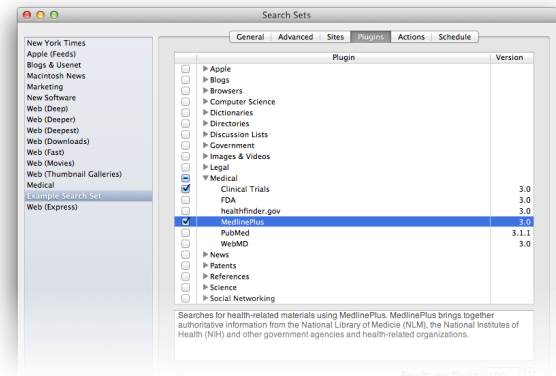
## CONTEXTUAL MENU

The contextual menu allows you to work with website addresses selected in the sites list.

- ▶ **Open:** Opens the selected sites in separate [web browser windows](#).
- ▶ **Open In Tabs:** Opens the selected sites in separate tabs in a new [web browser window](#).
- ▶ **Launch URL:** Opens the website in your default web browser.
- ▶ **Enable/Disable:** Checks or unchecks an item. Unchecked (disabled) websites are not scanned when using this search set.
- ▶ **Copy:** Copy the URL of the selected website to the clipboard.
- ▶ **Paste:** Pastes a URL from the clipboard to the list, effectively creating a new item.
- ▶ **Delete:** Deletes a selected item.

## PLUGINS TAB

The *Plugins* tab defines which [plugins](#) (interfaces to search engines) DEVONagent Pro uses when you use this search set in the [search window](#).



## PLUGIN LIST

Plugins are grouped. Expand or collapse groups by clicking the grey triangle in front of the group name, like in the Finder. Check all plugins that you want DEVONagent Pro to use for this search set; uncheck all others. Check or uncheck a group to check or uncheck plugins contained within the group. Select a plugin to display a short description.

To find out which search engines a plugin uses to get results, use [Window > Plugins & Scanners](#) or see the [appendix](#).

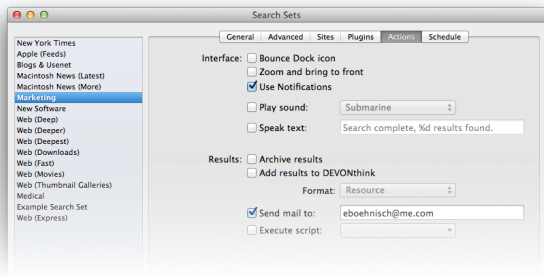
Example: Check "Images", "Info (Pictures)" and "Picsearch (Images)" to search all major picture search engines.

## RESULTS PER PLUGIN

This value defines the number of results delivered by every [plugin](#). It limits the results pool to the most relevant <n> results. Adjust this to whatever suits your requirements; the default value is 100.

## ACTIONS TAB

The *Actions* tab lets you attach additional actions to a search set that DEVONagent Pro executes after finishing a search run using this search set.



## INTERFACE

- ▶ **Bounce Dock icon:** Bounces DEVONagent Pro's Dock icon once when the search run is completed.
- ▶ **Zoom and bring to front:** Zooms the search window and makes it the frontmost window.
- ▶ **Use Notifications:** Posts a notification on OS X 10.8 "Mountain Lion" or later.
- ▶ **Play sound:** Plays a sound. Select the sound to be played from the pop-up menu; all systemwide alarm sounds are available.
- ▶ **Speak text:** Speaks entered text. Use the escape sequence "%d" in the text to announce the number of found items.

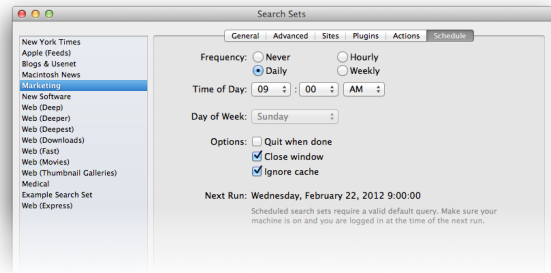
## RESULTS

- ▶ **Archive results:** Adds all found pages to the [internal archive](#).
- ▶ **Add results to DEVONthink:** Adds all found pages to the currently opened [DEVONthink](#) database. Choose the desired format from the popup menu below this option.
- ▶ **Send mail to:** Sends a summary of the found information to an entered email address. This is especially useful when used with a [schedule](#).
- ▶ **Execute script:** Executes an [AppleScript](#). Use this to do whatever you like with the found information, e.g., feed it into a local workflow or post automatically to a website.

Note: The email function uses the email account defined in [Preferences, Email](#) tab.

## SCHEDULE TAB

The *Schedule* tab is what makes DEVONagent Pro a bona fide information agent. It lets you schedule automatic query runs hourly, daily or weekly, and return the results by email, archive them internally, or add them to your [DEVONthink](#) database.



Note: A scheduled search set uses the default query you enter on the "General" tab and runs this query at the scheduled time. Make sure to enter a default query when you use the scheduler.

## FREQUENCY, ...

- ▶ **Frequency:** Define if you want DEVONagent Pro to run the search set *hourly*, *daily*, or *weekly*, or select *Never* to switch the scheduler off.
- ▶ **Time of Day:** Define at which time of the day DEVONagent Pro runs the search set.
- ▶ **Day of Week:** Define on which day of the week DEVONagent Pro runs the search set.

## OPTIONS

- ▶ **Quit when done:** Quits DEVONagent Pro after the search run is completed.
- ▶ **Close window:** Closes the search window when the search run is completed.
- ▶ **Ignore cache:** Ignores the cache and always load all pages from the Internet. Uncheck to use DEVONagent Pro's cache and to reduce network traffic.
- ▶ **Next run:** Checks when this search set will run next (informative only).

# MENUS

## In this chapter:

The DEVONagent Pro menu	31
The File menu	32
The Edit menu	33
The Data menu	33
The Sort menu	34
The View menu	35
The Web menu	36
The History menu	36
The Go menu	37
The Window menu	37
The Services menu	38
The Scripts menu	38
The Help menu	38
The Dock menu	39
The contextual menu extension	39

A complete listing of all commands DEVONagent Pro offers in the menu bar, the global [Services](#) menu, and the handy [Dock](#) menu.

## THE DEVONAGENT PRO MENU

The *DEVONagent Pro* menu is similar to the application menu in any Mac OS X application. It contains commands for displaying the splash screen, opening the [preferences window](#), accessing the [Services](#) menu, hiding and showing windows, and, of course, quitting the application.

### ABOUT DEVONAGENT PRO, ...

- ▶ **About DEVONagent Pro:** Shows information about DEVONagent Pro including the version number and licensing information.
- ▶ **Check for Updates:** Checks if updates for DEVONagent Pro are available. By default, DEVONagent Pro checks for updates automatically; change your update settings in the Preferences, [Update](#) pane.

Note: No information from your computer is uploaded to the DEVONtechnologies server during the check for updates. DEVONagent Pro only downloads a file listing the most current versions to your Mac.

### PREFERENCES, ...

- ▶ **Preferences:** Opens the [Preferences](#).
- ▶ **Private Browsing:** Select this command to check or uncheck the private browsing mode. If this menu item is checked, DEVONagent Pro clears all caches and history files after quitting, so that anyone using this user account on this computer cannot later discover your search history. This option also prevents DEVONagent Pro from storing previous search terms in the *Recent Searches* sub-menu of the [magnifying glass pop-up menu](#) of search windows.
- ▶ **Empty Cache:** Empties the disk cache that is used to speed up browsing. Use this if you are running out of disk space or when you feel that pages or elements are not up-to-date. Emptying the cache effectively forces DEVONagent Pro to download from the Internet all files in their most recent versions.

### PURCHASE, ...

- ▶ **Purchase:** Opens the [DEVONtechnologies Online Shop](#) and places DEVONagent Pro into your shopping cart. If this copy of DEVONagent Pro is already licensed, you will be presented with the choice of buying an upgrade for your existing license or buying another full license.
- ▶ **Enter License:** Use this command to enter your licence code. Make sure you enter ALL the details EXACTLY as they appear in the licence code email. It is best to use copy-and-paste for transferring name, organization, and licence code from the email message to the appropriate fields. Make sure not to highlight any spaces before or after the required information.

Note: *Enter License* changes into *License* as soon as you enter a valid license code.

## SERVICES

- ▶ The *Services* sub-menu gives you access to special commands published by other Mac OS X applications such as TextEdit or Safari, or by services extensions such as our own [WordService](#) or [CalcService](#). Also, DEVONagent Pro publishes its own services. [See also p. 38ff](#)

## THE FILE MENU

The "File" menu contains all commands that create new windows, open or save files or settings, and print.

### NEW SEARCH, ...

- ▶ **New Search:** Opens a new [search window](#). You use search windows to send queries to a predefined [search set](#) or a selected [plugin](#), that then queries one or multiple search engines and presents the weighted results. Search windows are what give DEVONagent Pro its name and purpose.
- ▶ **New Plugin:** Opens the [Plugins & Scanners](#) window and lets you create a new custom plugin. Use this function to easily create a plugin for your favorite yet-to-be search engine.

### NEW BROWSER, ...

- ▶ **New Browser:** Opens a new [web browser window](#). Use this function to use DEVONagent Pro as a standard web browser that is optimized for research. The web browser is based on the same WebKit engine used by Safari.
- ▶ **New Tab:** Creates a new tab in the frontmost [web browser window](#). If the frontmost window is a search window rather than a web browser window, this command opens a new web browser window instead.
- ▶ **Open Location:** Brings the address field of the frontmost web browser window into focus. If no web browser window is open, DEVONagent Pro opens a new one, equal to *File > New Browser*.

### OPEN FILE, ...

- ▶ **Open File:** Opens a local file for viewing in a new [web browser window](#) or in a previously saved search. Alternatively, drag the file onto DEVONagent Pro's icon in the Dock.
- ▶ **Open Recent:** Lists the recently used saved searches so that you can quickly open them.

### SAVE AS, ...

- ▶ **Save, Save As:** Saves the content of the frontmost [web browser window](#) in its original format or a search run for future reference. Webpages are saved as pure HTML code or webarchives (see below), images, movies, and PDFs in their respective formats. Search runs are saved as 'agentSearch' files that can be double-clicked in the Finder or opened via *File & Open*. They include the term, the used set or plugin, the settings, the results and their sortings, the digest, the log, and a Quick Look preview.

### IMPORT

- ▶ **Sets:** Imports saved [search sets](#) and adds them to the list of available search sets. You also can import saved search sets by double-clicking them in the Finder or by dragging them to DEVONagent Pro's Dock icon.
- ▶ **OPML:** Imports all URLs contained in an OPML file and creates a new [search set](#) with the URLs in the Sites tab. Use this to import RSS feeds exported as OPML from a news reader.
- ▶ **<Application> Bookmarks:** Imports Camino, Firefox, Chrome, OmniWeb, or Safari bookmarks and creates a new [search set](#) with all imported URLs in the Sites tab. Both site and news feed bookmarks are supported. If a web browser window is frontmost, the bookmarks will be added to DEVONagent Pro's own bookmark list.
- ▶ **Safari History:** Imports the Safari history file and creates a new [search set](#) with all imported URLs in the [Sites](#) tab.

### EXPORT

- ▶ **Digest:** Exports the digest as plain or rich text file. This command can also export the topics map as a

PDF document or OPML for outliners and mind-mapping applications.

- ▶ **Report:** Exports a search report as PDF, CSV (comma-separated values), HTML, or OPML file. Use the CSV or OPML formats to export all results in a structured way in order to re-import them into other applications such as Microsoft Excel or Apple Numbers.
- ▶ **Results:** Exports selected search results in their original formats, or as bookmarks, plain text files or rich text files.
- ▶ **Sets:** Exports one or more selected [search sets](#) and saves them as files. These files can be re-imported using *File > Import > Sets* or by double-clicking them in the Finder. Use exported sets to share them with other DEVONagent Pro users or between computers.

## PAGE SETUP, PRINT

- ▶ **Page Setup:** Opens the standard page setup dialog.
- ▶ **Print:** Prints the contents of the frontmost window.

## THE EDIT MENU

The "Edit" menu contains all commands and options related to editing. You'll find the classic Mac cut/copy/paste and find/replace commands here, as well as many more.

### UNDO, REDO

- ▶ **Undo:** Takes your changes back one step. Undo mainly works for text edits, but will not bring back deleted documents.
- ▶ **Redo:** Redo re-does the last undone edit.

### CUT, COPY, PASTE

- ▶ **Cut:** Cuts the selected items or text passages.
- ▶ **Copy:** Copies the selected items or text passages to the Clipboard.
- ▶ **Copy URL:** Copies the URL of the selected page or frontmost [web browser window](#) to the Clipboard.
- ▶ **Paste:** Pastes whatever is on the Clipboard.
- ▶ **Clear:** Deletes the selected item or piece of text.
- ▶ **Complete:** Auto-completes a word in text and search fields as well as in text views. This Mac OS

X standard function relies on the dictionary you have selected in the Mac OS X spellchecker (see below).

- ▶ **Select all:** Selects all contents of the frontmost window.
- ▶ **Deselect all:** Deselects all contents of the frontmost window.

## FIND

This sub-menu contains commands for finding and replacing text. In most ways it is similar to the *Find* command in most Mac application, but it also contains DEVONagent Pro-specific items.

- ▶ **In Internet:** Opens a new [search window](#).
- ▶ **In Results:**
- ▶ **Find...:** Opens the standard find panel.
- ▶ **Find Next/Previous:** Jumps to the next or previous occurrence of the find term.
- ▶ **Use Selection for Find:** Copies the selected piece of text to the find clipboard or into the search field of the find panel if it is open.
- ▶ **Scroll To Selection:** Scrolls the displayed documents to the current selection.

## SPELLING, ...

- ▶ **Spelling and Grammar:** Gives you access to Mac OS X's standard spell and grammar checker. Useful for checking text, e.g., when filling out form fields.
- ▶ **Speech:** Speaks a selected piece of text.
- ▶ **Special Characters...:** Shows the standard Mac OS X special characters panel for inserting characters that you cannot enter directly with your keyboard, such as accented or umlauted characters.

## THE DATA MENU

The *Data* menu provides commands for opening search results, exporting them to [DEVONthink](#), archiving them, or organizing them in the built-in [archive](#).

## NEW GROUP, ...

- ▶ **New Group:** Creates a new group in the [archive](#). To create a sub-group, select an archive group first, then use this command.
- ▶ **Open:** Opens the selected search results in new [web browser windows](#). Same as double-clicking the results.
- ▶ **Open In Tabs:** Opens the selected search results in separate tabs in a new [web browser window](#).
- ▶ **Launch URL:** Opens selected search results in your default web browser. If DEVONagent Pro is your default browser, this command is equal to "Data > Open..."

## ADD TO DEVONTHINK, ...

- ▶ **via Clip to DEVONthink:**
- ▶ **Resource:** Adds the selected page or document as-is to [DEVONthink](#).
- ▶ **Bookmark:** Saves links to the selected pages as bookmarks.
- ▶ **Rich Text:** Saves selected text as a new text document.
- ▶ **Summary:** Saves the whole digest as text document. Available on the [Digest](#) and [Results](#) tabs of [Search](#) windows as well as in the [archive](#).
- ▶ **PDF (one page):** Saves the selected pages as PDFs without page breaks. A long webpage will be saved as one, very long page, making this function ideal for archiving. Only available in the [web browser](#).
- ▶ **PDF (paginated):** Saves the selected pages as PDFs with page breaks. Use this for archiving webpages that you may want to print later.
- ▶ **Web Archive:** Saves webpages as webarchives. Webarchives are self-contained files that include one webpage that includes all additional files necessary for displaying, e.g., embedded images or movies. Only available in the [web browser](#).

DEVONagent Pro adds 'DEVONagent Pro plus the name of the plugin used to find the page and its version to the comments when adding to DEVONthink.

## ADD TO SET, ...

- ▶ **Add To Set:** Adds selected pages, e.g., search results, to the "[Sites](#)" list of a [search set](#) you

select from the sub-menu. These pages will be scanned for an entered query the next time you use this search set and can be useful to include in future searches. Select "New Set..." from the sub-menu to create a new search with the selected pages.

- ▶ **Add To Archive:** Adds the selected results to the [archive](#), creating a new group for current search run. If a group for this search run already exists, any subsequently added page from same search run will be added to this archive group.
- ▶ **Add All To Archive:** Adds all results of a search run to the [archive](#), creating a new group for them. Use this command to archive all results of a search run with one click.

## MARK ALL READ, ...

- ▶ **Mark All Read:** Marks the selected results as read or unread.
- ▶ **See Also:** Opens the *See also* drawer in the frontmost [web browser window](#).
- ▶ **Delete:** Deletes search results from a results list in a [search window](#), as well as groups or items from the [archive](#).
- ▶ **Delete & Exclude Domain:** Deletes the selected search results from a results list in a [search window](#) and adds the domains of the pages to the [list of excluded domains](#). All other search results matching the excluded domains are removed. Use this function to quickly exclude an unwanted domain without having to block it via the [Preferences](#).
- ▶ **Clear Log:** Clears the [Log](#) tab of the frontmost [Search](#) window.

Note: Use *Delete* and *Delete & Exclude Domain* with care. You cannot undo these commands.

## THE SORT MENU

The *Sort* menu sorts search results in a variety of ways.

Unsorted, By Name, ...:

- ▶ **Unsorted:** List results in their natural order. Useful after opening a saved search to easily view new results.
- ▶ **Name:** List results sorted by name.

- ▶ **Date:** List results sorted by date.
- ▶ **Size:** List results sorted by size.
- ▶ **URL:** List results sorted by URLs.
- ▶ **Top Level Domain:** List results sorted by their top level domain.
- ▶ **Relevance:** List results sorted by relevance.
- ▶ **Number of Objects:** List results sorted by the number of found objects.

*Top Level Domain* means the last part of a website address. Usually it is defined by the country the website is located in, e.g., '.de' for Germany or '.cz' for the Czech Republic, or by function, such as '.com' for a world-wide commercial site or '.mil' for a US military site.

*Relevance* is the relevance of a result compared to all collected results in respect to the query. This is the default sorting order.

Ascending, Descending:

- ▶ **Ascending:** Sorts items ascending.
- ▶ **Descending:** Sorts items descending.

## THE VIEW MENU

The *View* menu allows you to switch between the various tabs of a *Search* window, to switch Cover Flow on and off, and to customize how objects are presented in *web browser* windows.

### DIGEST, ...

- ▶ **Digest:** Switches to the "Digest" tab. The digest shows a summary of the found information (not the pages), sorted by relevance. In addition, it visualizes topics in a topics map that lets you navigate the results graphically. Use the digest and the topics map to work with the information itself instead of manually visiting webpages.
- ▶ **Results:** Switches to the "Pages" tab. The "Pages" tab lists all found pages, sorted by relevance (or any sorting order you choose in the "*Sort*" menu). A preview pane displays the relevant text parts of a selected result.
- ▶ **Log:** Switches to the "Log" tab. The log lists all webpages that DEVONagent Pro has filtered out as being irrelevant to the query or outdated. View a selected page in the preview page. Use the log

to see how many pages you DON'T have to look at because you're using DEVONagent Pro instead of Google or other search engines.

- ▶ **Settings:**
- ▶ **Advanced:**

### SUMMARY, OBJECTS

- ▶ **Summary:** Selects the *Summary* tab of the *Pages* tab of *Search* windows.
- ▶ **Objects:** Selects the *Objects* tab of the *Pages* tab of *Search* windows.

### COVER FLOW, ...

- ▶ **Cover Flow:** Switches between the regular display of *results* or *tabs* and Cover Flow. Cover Flow lets you browse graphically and quickly through results or the pages opened in multiple browser tabs.
- ▶ **Inverse Appearance:** Inverts the colors of the results list in search and browser windows to match it with Cover Flow. Uncheck to return to the regular black-on-white appearance.
- ▶ **Show Icon Preview:** Shows or hides the icon previews in *Results* tab of *search windows*, *Sidebar* and *See Also* drawer of *web browser windows* and the *archive*.
- ▶ **Use Small Icons:** When checked, objects are shown with small icons and more information in the *sidebar* of web browser windows. When unchecked, objects are shown with large icons and no details.

### SHOW TOOLBAR, ...

- ▶ **Hide/Show Toolbar:** Hides or shows the toolbar of the frontmost window.
- ▶ **Customize Toolbar:** Lets you configure the toolbar of the frontmost window.
- ▶ **Enter/Exit Full Screen:** Puts the frontmost window into full screen or back into windowed mode. Press *Escape* to return to windowed mode.

## THE WEB MENU

The *Web* menu contains all commands that are directly related to web browsing, from quickly turning Java on or off to switching between views and reloading a webpage. All commands in this menu act on the frontmost [web browser window](#).

### ENABLE PLUGINS, ...

- ▶ **Plugins:** Enables or disables plugins.
- ▶ **Java:** Enables or disables Java.
- ▶ **JavaScript:** Enables or disables JavaScript.

Use these options to quickly switch plugins, Java, or JavaScript on and off without visiting the [Preferences](#).

### STOP LOADING, ...

- ▶ **Stop Loading:** Stops loading a the webpage. This is equal to clicking the reload/stop button on the address bar of a web browser window when a page is loading.
- ▶ **Reload Page:** Reloads the webpage. This is equal to clicking the reload/stop button on the address bar of a web browser window when a page is completely loaded.
- ▶ **Actual Size:** Zooms the page to its actual size.
- ▶ **Zoom In:** Zooms in.
- ▶ **Zoom Out:** Zooms out.
- ▶ **Zoom Text Only:** When this option is checked, only the text of the page is made larger and smaller. When unchecked, DEVONagent Pro uses Safari-4-style zooming.
- ▶ **Translate:** Translates the displayed page using the Google language tools to your system's preferred language. This command is unavailable if the recognized language of the displayed page is the same as the preferred language of your system.
- ▶ **Text Encoding:** Changes the text encoding used for displaying a webpage. Use this sub-menu to manually adjust the text encoding if DEVONagent Pro displays accented characters, umlauts or East Asian characters incorrectly. Generally, websites publish their encoding and DEVONagent Pro reads this metadata for adjusting the encoding automatically.

### VIEW, ...

- ▶ **Source Code:** Shows the source code of the webpage.
- ▶ **Text:** Shows only the pure text of the webpage.
- ▶ **Layout:** Shows the webpage rendered (normal).

These three options switch the mode of the frontmost [web browser window](#) between different modes. Use these modes to view only the raw text of a layout-intensive webpage, or to switch to the source code to find information that is hidden in the code but not visible in the layout. DEVONagent Pro displays the source code with syntax coloring. The text only mode is also useful for copying/extracting information from pages with a complex table layout.

### SIDEBAR

- ▶ **Show:** Shows or hides the [sidebar](#).
- ▶ **Bookmarks:** Switches to the bookmarks pane of the [sidebar](#).
- ▶ **Objects:** Switches to the objects pane of the [sidebar](#).
- ▶ **Results:** Switches to the results pane of the [sidebar](#).

### ADDRESS BAR, FULL SCREEN

- ▶ **Address Bar:** Shows or hides the address bar. Hiding the address bar gives you more useable screen space for the displayed webpage.

## THE HISTORY MENU

As with any web browser, the *History* menu lists all webpages previously visited, divided into subfolders for each day, and marked with the date and time you last viewed them.

### BACK, FORWARD, CLEAR HISTORY

- ▶ **Back, Forward:** Moves back and forth between the visited pages. These commands are equal to the back and forward buttons in the [address bar](#) of [web browser windows](#). Since there is no history when [private browsing](#) is active, these commands are not available when private browsing is switched on.
- ▶ **Clear History:** Clears the history.

## VISITED WEBPAGES

The rest of the *History* menu lists the previously visited webpages, sorted from the top by age.

## THE GO MENU

The Go menu contains commands for navigating back and forth through a results list in a [search window](#) or occurrences of a search word, as well as for using and managing bookmarks.

### NEXT/PREVIOUS RESULT/OCCURRENCE

- ▶ **Next/Previous Result:** Navigates back and forth through the results lists to which the displayed webpage belongs. Use these commands to go through the pages resulting from a search run.
- ▶ **Next/Previous Occurrence:** Jumps to the next or previous occurrence of the search term, e.g., in the digest or pages tabs of [search windows](#).

## BOOKMARKS

Besides the commands mentioned above, the Go menu gives you access to the bookmarks of Safari, Camino, Firefox, or OmniWeb, or DEVONagent Pro's own bookmarks list. Select which bookmarks DEVONagent Pro shows in the Go menu in the [preferences](#).

- ▶ **Add:** Adds a bookmark for the currently shown webpage.
- ▶ **Add Folder:** Adds an empty folder to the bookmarks list.
- ▶ **Edit:** Opens an edit sheet for the currently selected bookmark. This function is unavailable when two or more bookmarks are selected.
- ▶ **Delete:** Deletes the selected bookmarks.
- ▶ **<Bookmarks>:** Opens any selected bookmark; use *Open in Tabs* in any bookmark folder to open all bookmarks in the folder in separate tabs.

For these commands to work, a [web browser window](#) needs to be active and DEVONagent Pro use its own bookmarks. You cannot yet edit Safari's bookmarks from within DEVONagent Pro.

## BONJOUR

The Bonjour part of the Go menu lists web services advertised on the local network via Bonjour, e.g., printers with web interfaces or shared [DEVONthink Pro Office](#) databases.

## WORKSPACES

Workspaces save the content and positions of all open windows so that you can restore them later. This is ideal if you are working with the same set of windows over and over again. Save the windows as a workspace and recall them whenever needed.

- ▶ **Add:** Saves the currently open windows as a workspace.
- ▶ **Edit:** Opens a window that allows you to edit saved workspaces. Click on a workspace name to change it, reorder it by dragging, and delete it with the **.** button.
- ▶ **Workspaces:** Restores to a previously saved workspace.

## THE WINDOW MENU

As with any Mac application, the *Window* menu lists all open windows of DEVONagent Pro and gives you access to commands for managing them.

Window Commands:

- ▶ **Close/Zoom/Minimize:** These three commands resemble the red, yellow and green buttons of any window title bar and consequently close the window, maximize it or create an icon on the dock. No magic here.
- ▶ **Bring All to Front:** Brings all windows of DEVONagent Pro to the front.
- ▶ **<Window name>:** Brings a selected window to the front.

Tab Commands:

- ▶ **Close Tab:** Closes the current tab of the frontmost [web browser window](#).
- ▶ **Select Next/Previous Tab:** Switches to the next or previous tab of the frontmost [web browser window](#).

Archive ... Downloads:

- ▶ **Archive:** Opens the [Archive](#) window.

- ▶ **Search Sets:** Opens the [Search Sets](#) panel, which allows you to edit the available [search sets](#).
- ▶ **Plugins & Scanners:** Opens the [Plugins & Scanners](#) panel that lists all installed plugins and scanner modules. Use this panel to see which plugins or scanner modules are available, get more information about them, and activate and deactivate them.
- ▶ **Downloads:** This command opens the [Downloads](#) panel. Use it to download files from the Internet to your computer.

## THE SERVICES MENU

The *Application > Services* menu (where 'Application' is the name of the frontmost application) allows access to special commands published by other Mac OS X applications, such as TextEdit or Safari, or by services extensions such as DEVONtechnologies' [WordService](#) or [CalcService](#). Also, DEVONagent Pro publishes its own services in the *Services* menu.

The *Services* menu is a sub-menu of every application's application menu, the menu named after the application itself and carrying the *About X*, *Hide ...* and *Quit* commands. Services usually act on a selection, e.g., selected text or files.

Services provided by DEVONagent Pro:

- ▶ **Lookup:** Opens a new [search window](#) in DEVONagent Pro with the query field pre-filled with the selected text. Use this command to quickly search for a selected piece of text.
- ▶ **Open URL:** Opens a selected piece of text as a URL in DEVONagent Pro. Use this to quickly select a URL, e.g., in an email message, and open it in a DEVONagent Pro [web browser window](#).

Use *Application > Services > Services Preferences* to change keyboard shortcuts or hide selected commands to clean up the *Services* menu.

Note: After installing DEVONagent Pro you may need to log out and back in again for the Finder to recognize the new *Services* menu commands and shortcuts. If one or more DEVONagent Pro *Services* menu commands does not have a keyboard shortcut assigned to them, perhaps another application grabbed it. Mac OS X

automatically assigns the correct shortcut when no other application asks for the same key combination.

## THE SCRIPTS MENU

The *Scripts* menu is located left of the [Help](#) menu and shows a graphic AppleScript 'S' symbol instead of a normal menu title. It contains a collection of useful predefined AppleScripts you can use directly from within DEVONagent Pro.

Some of the scripts work without a selected document; others require you to select the document you want the script to interact with. In general, the script will tell you what you have to do when you select it from the *Scripts* menu.

[See also p. 66ff](#)

## THE HELP MENU

The *Help* menu contains commands for opening the integrated help pages or the support assistant, or for visiting the DEVONtechnologies website.

### DEVONAGENT PRO HELP

These commands open the integrated help pages that are equal to the document you reading or open the [release notes](#).

### SUPPORT ASSISTANT, TUTORIALS

Opens the support area of the *Welcome to DEVONagent Pro* assistant where you can, for example, read the FAQ, visit the user forum, download this documentation as printable or screen-readable PDFs, retrieve your license code, request a trial extension, or update your details in DEVONtechnologies' customer database. Choose *Tutorials* to open the assistant on the *Tips & Tutorials* page.

[Click here](#) to open the assistant.

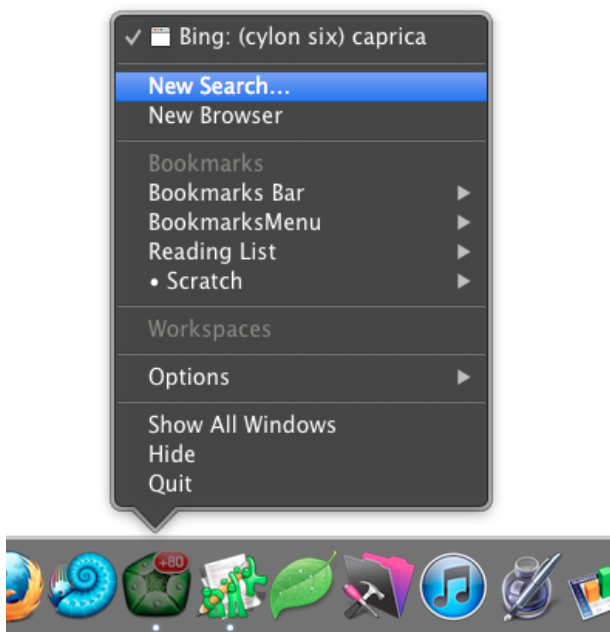
Note: If you purchased DEVONagent Pro from the Mac App Store, not all options dealing with licenses or upgrades are available.

## DEVONTECHNOLOGIES

These commands take you directly to the corresponding pages on the DEVONtechnologies website. Visit our home page or the lively [user forum](#). If you have a question or suggestion, send feedback directly to our development team.

## THE DOCK MENU

The Dock menu appears when you  $\wedge$ -click or right-click DEVONagent Pro's icon in the Dock. In addition, DEVONagent Pro's icon shows a badge with the number of found results.



For all Mac OS X applications, the Dock menu provides a selection of the commands of the [application menu](#).

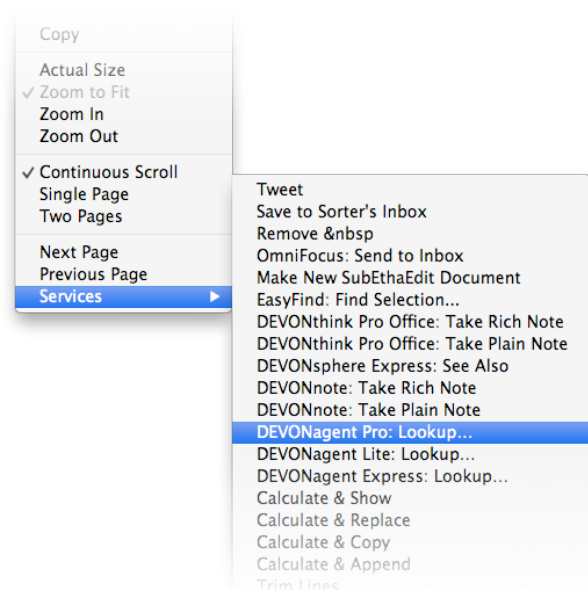
- ▶ **<Window Name>**: Brings any open window of DEVONagent Pro to the front.
- ▶ **Options > ...**: Keeps DEVONagent Pro in the Dock or removes it, adds DEVONagent Pro to your login items, or reveals the DEVONagent Pro application package in the Finder.
- ▶ **Hide**: Hides all windows of DEVONagent Pro.
- ▶ **Quit**: Quits DEVONagent Pro.

Besides these standard commands, DEVONagent Pro adds a number of its own commands to the Dock menu to make them easily accessible whenever the application is running.

- ▶ **New Search...:** Opens a new DEVONagent Pro [search window](#). Same as *File > New Search*
- ▶ **New Browser...:** Opens a new DEVONagent Pro [web browser window](#). Same as *File > New Browser*
- ▶ **Bookmarks, Bonjour, Workspaces:** Gives you access to your bookmarks, depending on your settings in *Preferences > Bookmarks*, Bonjour services, and workspaces. Equals the Bookmarks, Bonjour, and Workspaces parts of the *Go* menu.

## THE CONTEXTUAL MENU EXTENSION

DEVONagent Pro installs its own contextual menu plugin, inserting a *Search in DEVONagent Pro* menu item into the contextual menu of most Cocoa and Carbon applications.



Select some text, such as in an email, webpage or Pages document,  $\wedge$ -click or right-click the selection, and select "Find with DEVONagent Pro". DEVONagent Pro opens a new [search window](#) with the selected text pre-filled into the query field.

Note: As Mac OS X 10.6 inserts the [Services](#) menu system-wide into the contextual menu, this extension is only installed on Mac OS X 10.5.

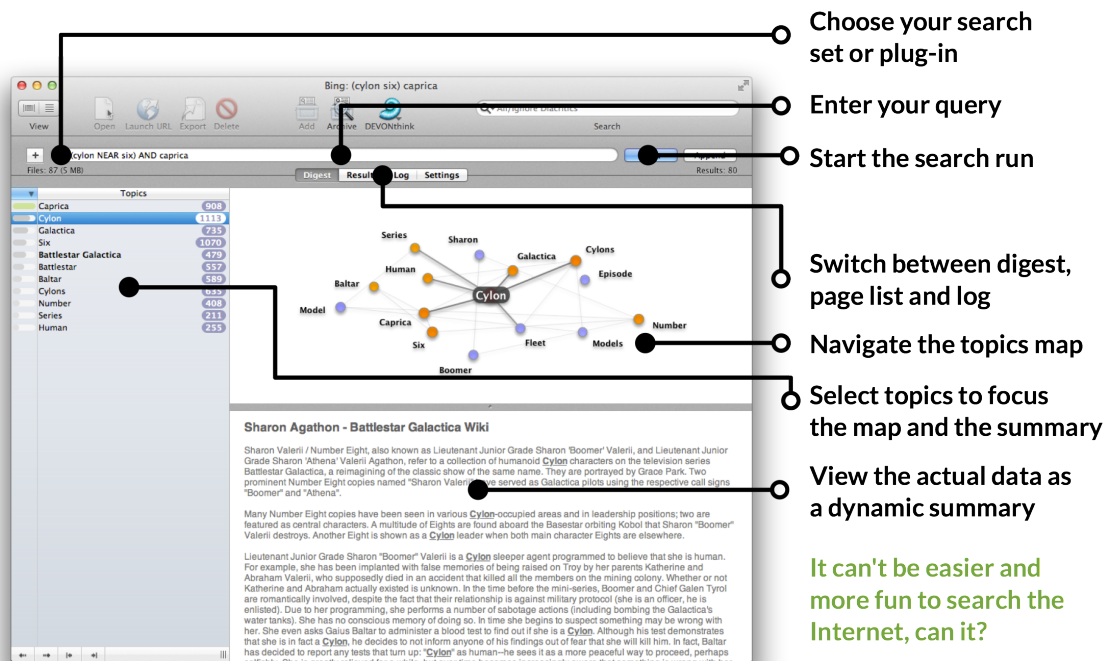
# WINDOWS AND PANELS

## In this chapter:

Search window	41
Web browser	46
Archive window	51
Search sets	53
Plugins and scanners	53
Downloads	55
Preferences	56
Assistant	56

DEVONagent Pro uses a number of different windows for running search queries, displaying webpages, setting up search sets, and downloading files.

## SEARCH WINDOW




The search window is where you start search runs and work with the results. You open a new search window with [File > New Search](#). In its minimized form, the search window consists only of an entry field for the query, a pop-up menu for selecting the search sets to be used, a *Start/Stop* button, and an *Append* button. In maximized form, it is divided into three tabs: digest, pages, and log. You can switch between minimized and maximized form by clicking the green window gadget. Also, you can choose whether you want to open new search windows as either minimized or maximized in the [preferences, "General" tab](#).

To start a search run, select the correct search set from the magnifier pop-up menu in the entry field, enter your query and click the *Start* button. DEVONagent Pro then queries all search engines and scans all webpages defined by the search set. As soon as the search run has finished (or you have clicked the *Stop* button), DEVONagent Pro expands the search window, if necessary, and presents the results in either the *Digest* or the *Results* tab, depending on your [preferences](#).

If you have already performed a search run, you can also use the *Append* button instead of *Start* to append the search results to the previously collected ones instead of replacing them.

Note: DEVONagent Pro limits search runs to 500.000 result pages and 32 GB of data. This prevents flooding your hard disk when your search query or your *Follow Links* settings are too broad.

### MAGNIFYING GLASS POP-UP MENU

The magnifying glass pop-up menu  lets you select the search set you want to use for your search. For a general search, use the search set *Web (Fast)*. You can define your own search sets in the [Search Sets](#) window, which you can open by selecting *Edit Search Sets* from the magnifier pop-up menu.

User-defined plugins are listed in bold.

Note: You can easily create a new search set by using the + button left of the search term field. Use this to run the same query with exactly the same settings again in the future.

**Plugins:** In addition, this pop-up menu gives you direct access to every installed plugin. This way, you don't have to define a search set just for querying a special search engine once. You can simply pick the one you want to use, enter the query and hit the *Start* button. Tool tips give you more information about each plugin.

**Recent searches:** Finally, the magnifying glass pop-up remembers the last 25 search terms (when private browsing is not enabled). You recall the terms simply by selecting them from the *Recent Searches* part of the menu. Remember to select the correct [search set](#) or plugin.

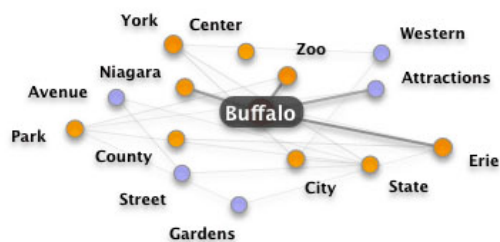
## STATUS BAR

The status bar below the search field shows information about the number and size of the downloaded files, found results and objects, as well as unread results.

## DIGEST TAB

DEVONagent Pro's search window is divided into three views, each presenting different aspects of the information that has been collected in a search run. You switch between the views by clicking the tabs separating the search field from the rest of the window.

The digest differs from what traditional search engines and applications display. This is what makes DEVONagent Pro unique. Instead of simply listing the URLs of found pages, the digest shows a list of topic words and two- and three-word expressions that DEVONagent Pro has extracted from the collected data. This list not only includes the entered search words, but also many other words that the artificial intelligence core of DEVONagent Pro found to be important and related to the query. You can sort this list by topic or relevance by clicking the column headers. The number of sentences with occurrences is shown for each topic word.



**Topics map:** In the right-hand side pane, DEVONagent Pro shows short paragraphs from every found webpage until you select one or more topic words. DEVONagent Pro shows an AI-generated visual representation of the selected topic and its relations to other topics in a mind-map style. Two- and three-word word expressions do not show a topics map; for multiple selected topic words DEVONagent Pro always picks the top one.

The selected topic becomes a big blob in the center of the map with related topics arranged around it. The larger a blob, and the more orange or red it is, the more important it is. Topics that are related to the selected word but are not part of the topics list on the left, are shown in blue. Light grey lines indicate closer relationships between topics. Move the mouse over the topic blobs to highlight the connections to other topics in the graph; click a blob to select it. Double-click a topic in the map to make it the center of the graph. DEVONagent Pro will recalculate the map accordingly. This is similar to selecting another topic word from the list on the left.

Use the arrow buttons in the bottom bar of the topics map area to navigate back and forth through the results in the digest.

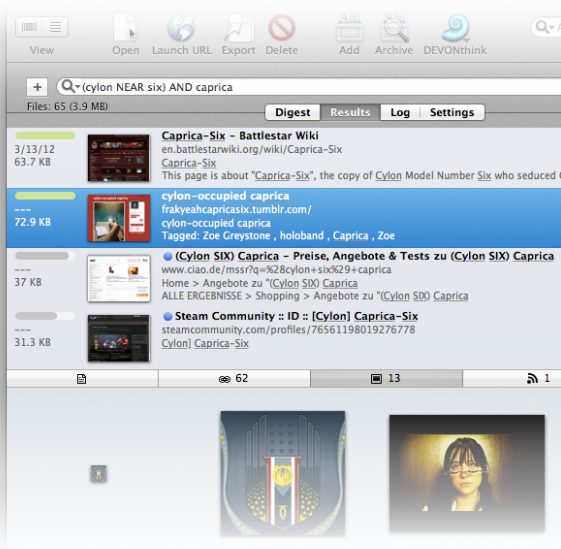
**Summary:** Finally, below the topics map, DEVONagent Pro shows a summary of the extracted information, sorted by relevance. At the end of each extract, you'll find a link to the original source where DEVONagent Pro extracted the data from (click the link with  $\text{⌘}$  held to open it on a new tab instead of in a new window). The summary delivers the actual answer to your query, effectively eliminating the need to go through a long list of links or visit hundreds of webpages manually.

The summary dynamically changes with whatever topic word or words you select in either the left-hand side pane or the topics map. This way, you can use the topics map to navigate through the found information and refocus the summary to whatever you are interested in. You can also click words in the summary with  $\text{⌘}$  held to refocus the topics map on the clicked word.

Note: You can also select multiple topics with the  $\text{⌘}$  and  $\text{⌘}$  keys, or enter your own keywords separated by spaces, into the text field below the topics list. For the topics map, DEVONagent Pro will only use the first selected topic word. It does not work with words you enter into the keyword text field.

## RESULTS TAB

**List or Cover Flow:** The *Pages* tab is similar to what most search engines deliver: a list of all found URLs including the name of the webpage and a two lines excerpt from where the search terms are found on the page. Sort the list by all the criteria that you can find in the *Sort* menu. You can also drag results to DEVONthink to quickly archive them in your database.



You can browse the results also with *Cover Flow*. Double-click a page in Cover Flow to open it in a new *web browser window*; hold the  $\text{⌘}$  key to open the new window in the background.

All pages that you haven't checked yet show a dot in front of them, similar to unread messages in Apple Mail. You can also select results and drag them to other applications, such as an open TextEdit window, *DEVONthink*, or the Finder, or delete pages from the list that you have found to be unrelated to your research. A badge shows the number of found scanner objects.

**Preview area:** In the lower pane of the *Pages* tab, DEVONagent Pro displays either a text preview of the relevant text passages for pages selected in the list above, or all objects found by the automatically applied *scanners*. Switch between the text preview and the objects returned by the scanners using the navigation bar above the preview.

In addition, you switch between small and large icons, download all or selected objects, and access the action menu from the navigation bar.

## LOG TAB

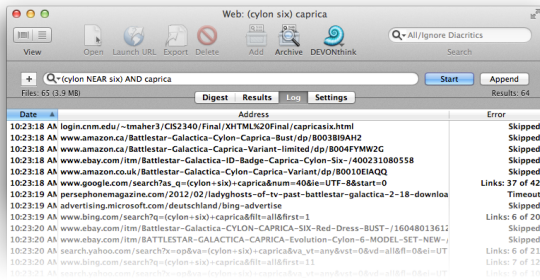
The *Log* tab lists all pages that DEVONagent Pro has skipped.

DEVONagent Pro skipped them because they:

- ▶ Did not match the query
- ▶ Delivers an error message, e.g., the famous error 404 (file not found)
- ▶ Are an advertisement
- ▶ Are index spam created for fooling Google and other search engines

You can find a complete list of all codes used in the log in the *appendix*.

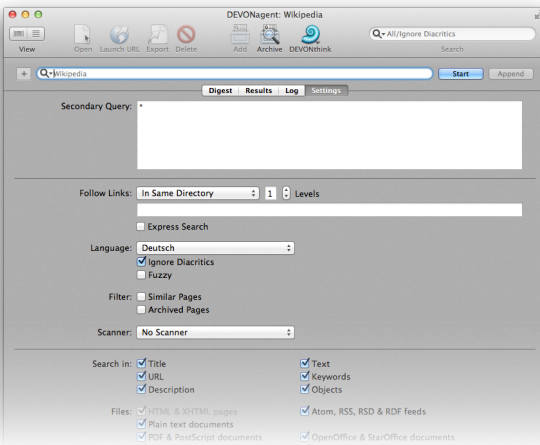
Effectively, the log lists all pages you did not have to look at yourself because DEVONagent Pro did that job for you.



You can sort the list by date, address, or error message by clicking the respective column headers. Click them again to reverse the sorting order. Use copy-and-paste or drag-and-drop to move or copy URLs to the [Downloads](#) panel, to a [search set](#), to [DEVONthink](#), or other applications, e.g., Safari.

## SETTINGS TAB

The *Settings* tab contains some of the options from the [General](#) and [Advanced](#) of search sets and TEMPORARILY overrides these settings.



The *Settings* tabs offers the following options:

- ▶ [Follow Links](#)
- ▶ [Language](#)
- ▶ [Filter & Scanner](#)
- ▶ [Secondary Query](#)
- ▶ [Search In](#)
- ▶ [Files](#)

Use the *Settings* tab to temporarily enable or disable options, e.g., to switch on a [scanner](#) without permanently messing up the search set.

## TOOLBAR

The toolbar of DEVONagent Pro's main windows carries many commands for manipulating the way it displays information and for manipulating selected items. Many of these are simply shortcuts for menu bar commands. Here's a short list of the available tools:

- ▶ **Open:** Opens the selected page(s) in a separate [web browser window](#).
- ▶ **Launch URL:** Opens the selected page(s) in your default web browser.
- ▶ **Export:** Exports the selected page(s) as pure text, RTF(D) or HTML.
- ▶ **DEVONthink:** Adds the selected page(s) to the currently open [DEVONthink](#) database in the format you choose from the pop-up menu.
- ▶ **Add:** Adds the selected page(s) to the [internal archive](#).
- ▶ **Add All:** Adds all found pages to the [internal archive](#).
- ▶ **Archive:** Opens a window for the [internal archive](#).
- ▶ **Delete:** Deletes the selected page(s) from the results list.
- ▶ **Print:** Prints the results list.
- ▶ **Search:** Searches the results on the [Results](#) tab. Use the magnifying glass pop-up menu to adjust your search options.
- ▶ **View:** Enables or disables Cover Flow and shows or hides icon previews.

Note: Not all of these commands are always available. You can customize the toolbar by selecting [View > Customize Toolbar](#) or by Control- or right-clicking the toolbar background and selecting [Customize Toolbar](#) from the contextual menu.

## SHORTCUTS & MODIFIER KEYS

Like any Mac application, DEVONagent Pro uses modifier keys or shortcuts to access frequently used functions or modify a standard behavior.

- ▶ **Command-click:** Adds an item to the current selection of items.
- ▶ **Shift-click:** Selects a range of items.
- ▶ **Space, Shift-Space:** Scrolls down or up in non-editable text views, e.g., the summary.

## CONTEXTUAL MENU

The contextual menu, which appears when you click something with the right mouse button or when you click while holding the  $\wedge$  *Control* key down, offers a range of commands tailored to what you can do with the clicked object.

Most of the commands offered by the contextual menu have counterparts in a main menu, so you'll recognize them immediately. However, to save menu bar real estate, DEVONagent Pro gives you access to some options only via the contextual menu.

- ▶ **Open:** Opens the selected pages in separate [web browser windows](#).
- ▶ **Open In Tabs:** Opens the selected pages in separate tabs in a new [web browser window](#).
- ▶ **Copy URL:** Copies the selected URL to the clipboard.
- ▶ **Launch URL:** Opens the selected page(s) in your default web browser.
- ▶ **Reveal in Finder:** Reveals an externally archived page in the Finder.
- ▶ **Add to DEVONthink:** Adds the pages to your currently open [DEVONthink](#) database in a variety of formats. Same as [Data > Add to DEVONthink](#).
- ▶ **Add to Set > ...:** Adds the addresses of the selected page(s) to the sites list of a [search set](#). Select "New Set..." to create a new search set with the selected page(s).
- ▶ **Add to Archive:** Adds the selected page(s) to the [internal archive](#).
- ▶ **Add All to Archive:** Adds all pages in the results list to the [internal archive](#).

- ▶ **Export:** Exports the selected page(s).
- ▶ **Mark As Read:** Marks the selected pages as read or unread.
- ▶ **Delete:** Deletes the selected page(s) from the results list.
- ▶ **Delete & Exclude Domain:** Deletes the selected search page(s) from the results list and adds the domain(s) of the page(s) to the list of excluded domains. Use this to quickly exclude an unwanted domain, without having to block it via the [preferences](#).
- ▶ **Sort by > ...:** Sorts the results list by the criteria listed in the sub-menu.
- ▶ **Clear Log:** Clears the log for the search run. Same as [Data > Clear Log](#).
- ▶ **Sort By:** Sorts the results list by the selected sort key. [See also p. 34ff](#)

In text areas, e.g., the text preview on the "Pages" tab, DEVONagent Pro also offers the standard contextual menu commands for text views:

- ▶ **Search with Spotlight:** Searches for the selected text using Spotlight (Mac OS X 10.4 Tiger only).
- ▶ **Search in Google:** Opens your default browser and searches for the selected text in [Google](#) (Mac OS X 10.4 Tiger, only).
- ▶ **Look Up in Dictionary:** Looks up the selected piece of text in Mac OS X's Dictionary.
- ▶ **Cut/Copy/Paste:** Same as ["Edit > Cut/Copy/Paste"](#).
- ▶ **Spelling > ...:** Gives access to Mac OS X's integrated spell checker. Choose "Spelling..." to open the spellchecker panel, and "Check Spelling" to run the spell checker on the text. "Check Spelling as You Type" is not available in read-only text views.
- ▶ **Speech > ...:** "Start Speaking" speaks selected text, "Stop Speaking" stops speaking, which is useful when speaking a very long piece of text.

## WEB BROWSER



Besides being a research tool, DEVONagent Pro is a full-fledged web browser, based on the Safari engine (a.k.a. 'WebKit'). Open a new web browser window by choosing **File > New Browser**, clicking a link, or by choosing **File > Open Location** when no web browser window is frontmost.

To visit a website, enter its address into the address field of the toolbar and press **↵** or **Enter**. Alternatively, drag a URL to DEVONagent Pro's application icon in the Finder or in the Dock, or into an open browser window.

Instead of a URL, you can use keywords to directly send a simple query to a search engine. This effectively replaces the Google search field found in Safari and other browsers. The keywords are defined by the **plugins**, but can be edited individually.

Example: Enter 'google apple computer' to query Google for 'apple computer'; enter 'mu devonthink' to query MacUpdate for 'devonthink'.

## TAB BAR

The tab bar below the toolbar lists all tabs of the web browser window. Each tab contains a different webpage. Use tabs to open multiple webpages without cluttering your screen with dozens of separate windows. Switch between tabs by simply clicking the tab you want to bring to the foreground. If all tabs do not fit into the available space, DEVONagent Pro shows an optional pop-up menu at the right-hand side of the tab bar listing all available tabs.

Point to a tab for one second without clicking to show a tooltip with a thumbnail preview of the webpage displayed on the tab. This is useful when you cannot remember which page you opened on which tab.

Inactive tabs show a close button instead of the webpage icon. Also, after the last tab, DEVONagent Pro shows a "+" button for creating new, empty tabs.

## TOOLBAR



The toolbar of a web browser window can be customized like any other toolbar using [View > Customize Toolbar](#). The following tools are available:

- ▶ **Window:** Shows or hides the [sidebar](#); switches [Cover Flow](#) mode on and off; switches to [full screen mode](#).
- ▶ **View:** Switches between [source code, text, and layout views](#). Use the source code view to inspect how a page is constructed and the text mode to see the raw text without any distractions.
- ▶ **Action Menu:** Access frequently used commands directly from the toolbar. [See also p. 48ff](#)
- ▶ **Back/Forward:** Navigates back and forth through the visited pages, like a standard web browser. Similar to "[History > Back/Forward](#)".
- ▶ **Smaller/Bigger:** Makes the text smaller or bigger.
- ▶ **Reload/Stop:** Reloads the current page (circle arrow icon) or stops loading a page ('X' icon).
- ▶ **Address:** Type in the URL to load here, or type in a keyword and a simple query. [Read more about keywords here](#). Select the whole address in the address field and drag it to other windows or applications, e.g., the Finder.
- ▶ **Translate:** Shows the language of the displayed page as recognized by DEVONagent Pro as a flag. If your system's preferred language is different, clicking the flag translates the page using [Google language tools](#).
- ▶ **See Also:** Opens a drawer with pages similar to the current one, sorted by relevance. Select a page in the drawer to display it. The originating page is always listed on the top of the list. Use *See Also* for finding related pages in the results pool. [See also p. 49ff](#)
- ▶ **Share:** Shares the page via services like iMessage, Mail, Twitter, Facebook, and AirDrop, or adds it to Safari's Reading List.

If a bookmark for the current page exists in the open [DEVONthink Pro](#) databases, a small DEVONthink icon is shown on the right-hand side of the address field.

## SIDEBAR


















The sidebar is the place in a web browser window where all additional information is presented, from bookmarks to the list of search results (if the page is part of the results of a current search run) to extracted objects. The sidebar is divided into several sub-tabs:

- ▶  Bookmarks
- ▶  Results

**Bookmarks:** Use the [Preferences](#) to choose what bookmarks and additional elements, e.g., Web servers announced via Bonjour, [DEVONthink Pro](#) bookmarks, or [workspaces](#), are listed on the *Bookmarks* pane. If you are using DEVONagent Pro for your bookmark management, use [cut/copy/paste](#), drag-and-drop, or the contextual menu (see below) to edit your bookmarks.

**Results:** The *Results* pane lists all results of the search run that the shown webpage belongs to. This pane is unavailable if the page does not belong to a currently open search run.

In addition, none, one, or multiple of the following tabs, unique to DEVONagent Pro, can be available:

- ▶  AppleScript scripts
- ▶  Audio
- ▶  Code
- ▶  Downloadable archives
- ▶  Electronic business cards (.vcard)
- ▶  @ Email addresses
- ▶  Images
- ▶   $\text{TeX}$  LaTeX files
- ▶  Links
- ▶  News feed (RSS, Atom)
- ▶  Office documents
- ▶  Spreadsheet documents
- ▶  Thumbnail galleries
- ▶  Video (live)
- ▶  Videos
- ▶  Wallpapers, desktop pictures
- ▶  Webcams

Which, if any, of the above tabs are available depends on the webpage shown in the window. DEVONagent Pro collects all objects from the page using the available [scanners](#) and lists them in separate tabs in the sidebar. Click any found object

to display it (double-click to open it in a new tab, if [tabbed browsing](#) is enabled, or a new browser window). Click with ⌘ pressed to open the result in a new tab. The *Back* button brings you back to the original page.

**Bottom bar:** The bar at the bottom of the sidebar gives you access to commonly used commands, depending on which tab is active.

- ▶ **+**: Adds the current page to the bookmarks.
- ▶ **-**: Removes the current page from the bookmarks.
- ▶ **List:** Shows objects in a list with small icons. [See also p. 35ff](#)
- ▶ **Icons:** Shows objects as large icons. [See also p. 35ff](#)
- ▶ **Download:** Adds the selected objects to the [Download Manager](#). If no item is selected all items will be added.
- ▶ **Action:** Gives access to the same options as the contextual menu (see below).

**Contextual menu:** The contextual menu gives you direct access to commands acting on the selected items. Commands are only available when applicable.

- ▶ **Next/previous result:** Navigates back and forth through the list of results. Same as [Go > Next/Previous Result](#).
- ▶ **Mark as Read/Unread:** Marks the selected results as read/unread.
- ▶ **Delete:** Deletes the result from the results of the search run it was opened from.
- ▶ **Delete & Exclude Domain:** Deletes the result from the results of the search run it was opened from and adds it to the exclude list in the [Preferences](#).
- ▶ **Sort:** Changes the sorting of the result list.
- ▶ **Cut:** Copies the selected items to the clipboard and removes it from the list.
- ▶ **Copy:** Copies the selected items to the clipboard.
- ▶ **Paste:** Pastes bookmarks on the clipboard.
- ▶ **Add Bookmark:** Adds the current page to the bookmarks.
- ▶ **Add Bookmark Folder:** Adds a new folder to the bookmarks.
- ▶ **Import:** Imports bookmarks. [See also p. 32ff](#)
- ▶ **Edit:** Opens an editing sheet for the selected bookmark.
- ▶ **Delete:** Deletes the selected items.

- ▶ **Show Icon Preview:** When checked, DEVONagent Pro shows a preview icon for bookmarks.
- ▶ **Open in New Window:** Opens the selected items in a new web browser window.
- ▶ **Open in New Tab:** Opens the selected items in a new tab.
- ▶ **Open in PhotoStickies:** Opens a selected items in [PhotoStickies](#).
- ▶ **Add Link to DEVONthink:** Adds the link of the selected items to the currently open [DEVONthink](#) database.
- ▶ **Copy Link:** Copies the selected links to the clipboard.
- ▶ **Download:** Downloads the selected items (or the items referred to by links).
- ▶ **Select/Deselect All:** Selects or deselects all items in the list.
- ▶ **Use Small Icons:** When checked (default), DEVONagent Pro displays small icons in the drawer, including the name and the link to or of the item; when unchecked, it displays large icons, 160 pixels wide, and shows no links.

## ACTION MENU

The action menu (labeled with a gear icon) makes frequently used commands conveniently accessible from the toolbar.

- ▶ **Copy URL:** Copies the address of the current page to the Clipboard.
- ▶ **Launch URL:** Opens the selected pages in your default web browser.
- ▶ **Add to DEVONthink:** Adds the pages to your currently open [DEVONthink](#) database in a variety of formats. Same as [Data > Add to DEVONthink](#).
- ▶ **Add to Set > ...:** Adds the URL of the page to the ["Sites" tab](#) of the search set you select from the sub-menu. Select "New Set..." to create a new search set with the selected page(s).
- ▶ **Add to Archive:** Adds the page to the [internal archive](#).
- ▶ **Save As:** Saves the the selected pages as pure text, RTF(D) or HTML.
- ▶ **Translate:** Translates the displayed page using the Google language tools to your system's preferred language. This command is unavailable if the

recognized language of the displayed page is the same as the preferred language of your system.

- ▶ **Inverse Appearance:** Inverts the colors of the results list to match it with Cover Flow. Uncheck to return to regular black-on-white appearance.

## SEE ALSO PANE

The See Also pane opens when you click the *See Also* button in the toolbar. It lists other pages related to the displayed page from three sources:

- ▶ **Search:** The results of the search run to which the page belongs.
- ▶ **Archive:** Pages in the internal [archive](#).
- ▶ **DEVONthink Pro:** The currently open [DEVONthink](#) databases.
- ▶ **Web:** Related pages from the Web, either provided by [plugins](#) or common search engines.

Click any item in the pane to display it; double-clicking opens it in a new tab or window. The original page stays at the top of the list so that you can easily go back to it. Results from DEVONthink that have a URL associated with them are also shown with a single click; results without URLs open in DEVONthink on a double-click.

## SHORTCUTS & MODIFIER KEYS

- ▶ **Command-click:** Opens a link or an item in the objects drawer in a new tab, if [tabbed browsing](#) is enabled. Otherwise, ⌘-click opens the clicked link in a new window.
- ▶ **Option-click:** Downloads an item on a webpage, a linked item or an item in the objects drawer via the [download manager](#).
- ▶ **Space, Shift-Space:** Scrolls down or up in non-editable text views, e.g., the source code or text-only view.

## CONTEXTUAL MENU

The contextual menu, which appears when you click something with the right mouse button or when you click while holding the  $\wedge$  *Control* key down, offers a range of commands tailored to what you can do with the clicked object, for example a text passage.

Most of the commands offered by the contextual menu have counterparts in a main menu, so you'll recognize them immediately. However, to save menu bar real estate, DEVONagent Pro gives you access to some options only via the contextual menu.

- ▶ **Back/Forward:** Navigates back and forth through previously visited pages, similar to the *Back* and *Forward* toolbar buttons or [History > Back/Forward](#).
- ▶ **Reload:** Reload the item or page.
- ▶ **Search in Spotlight:** Searches selected text with Spotlight.
- ▶ **Look Up in Dictionary:** Looks up selected text in Mac OS X's dictionary.
- ▶ **Stop Loading:** Stops loading the item or page.
- ▶ **Open Image in New Window:** Opens the selected image in a new web browser window.
- ▶ **Open Image in New Tab:** Opens the selected image in a new tab of the current web browser window.
- ▶ **Open Image in PhotoStickies:** Opens the selected image in [PhotoStickies](#).
- ▶ **Copy Image:** Copies the selected image to the clipboard.
- ▶ **Copy Image Address:** Copies the address or the selected image to the clipboard.
- ▶ **Add Image to DEVONthink:** Adds the selected image to the currently open [DEVONthink](#) database.
- ▶ **Add Image to Archive:** Adds the selected image to the [archive](#).
- ▶ **Save Image As...:** Saves the selected image to your computer.
- ▶ **Save Image to Downloads:** Saves the selected image to the default download folder.
- ▶ **Use Image as Desktop Picture:** Saves the selected image and sets it as the desktop picture (requires Mac OS X 10.6 or later).
- ▶ **Open Link in New Window:** Opens the selected link in a new web browser window.
- ▶ **Open Link in New Tab:** Opens the selected link in a new tab.
- ▶ **Open Link in PhotoStickies:** Opens the selected link in [PhotoStickies](#).
- ▶ **Copy Link:** Copies the selected link to the clipboard.

- ▶ **Download Linked File:** Downloads the file referred to by the selected link via the [Download Manager](#).
- ▶ **Add Selection to DEVONthink:** Adds the selected text to the currently open [DEVONthink](#) database.
- ▶ **Add Link to DEVONthink:** Adds the selected link to the currently open [DEVONthink](#) database.
- ▶ **Add Link to Set > ...:** Adds the selected link to the sites list of a [search set](#).
- ▶ **Add PDF to DEVONthink:** Adds the displayed PDF to the currently open [DEVONthink](#) database.
- ▶ **Add page address to DEVONthink:** Adds the address of the page to the currently open [DEVONthink](#) database.
- ▶ **Add frame address to DEVONthink:** Adds the address of the selected frame to the currently open [DEVONthink](#) database.
- ▶ **Remember Selection:** Remembers the current selection and re-applies it when you open the same page again.
- ▶ **Forget Selection:** Forgets the last saved selection.

If the [WebKit developer extras](#) are enabled more options are available.

When you ^-click or right-click the background of the page instead of a item, additional options can be available:

- ▶ **Open Page/Frame in New Window:** Opens the page or frame in a new web browser window.
- ▶ **Open Page in New Tab:** Opens the page in a new tab.
- ▶ **Copy Page/Frame Address:** Copies the address of the page or frame to the Clipboard.

- ▶ **Add Page/Frame to Archive:** Adds the page or frame to the [internal archive](#).
- ▶ **Add Page to DEVONthink (Pro):** Adds the HTML code of the page to the currently open [DEVONthink \(Pro\)](#) database.
- ▶ **Add Web Archive to DEVONthink (Pro):** Adds an webarchive (including all embedded images needed for correctly displaying it) of the page to the currently open [DEVONthink \(Pro\)](#) database.
- ▶ **Add Page/Frame to Set > ...:** Adds the page or frame address to the sites list of a [search set](#).
- ▶ **Add All Links to Set > ...:** Adds all links found on the page to the sites list of a [search set](#).

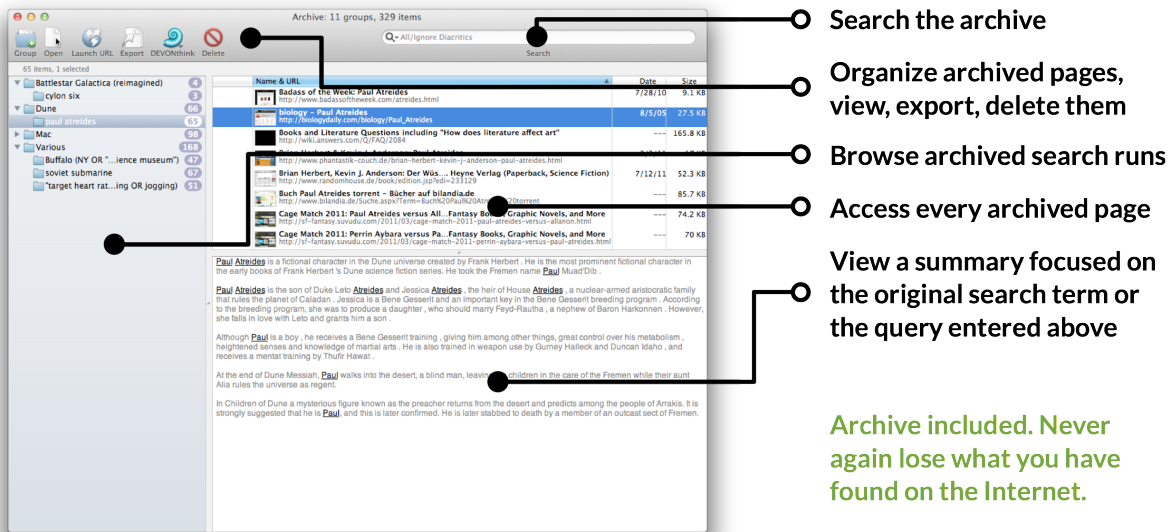
For PDF pages, different options become available:

- ▶ **Add PDF to DEVONthink:** Adds the PDF to the currently open [DEVONthink](#) database.
- ▶ **Open with Preview:** Opens the PDF in Preview.
- ▶ **Automatically Resize:** When checked, the zoom factor adjusts to the width resp. height of the browser window.
- ▶ **Zoom Out, Zoom In, Actual Size:** Zooms in or out of the document, or displays it in its actual size.
- ▶ **Single Page, ...:** Displays the PDF as single or double pages and either page by page (use the 'Next Page' and 'Previous Page' to skim through the pages forward and backwards) or continuously.
- ▶ **Next Page, Previous Page:** Skims through the pages forwards or backwards.

On the *Results* pane of the sidebar, the following additional options are available:

- ▶ **Mark As Read:** Marks the selected pages as read or unread.

# ARCHIVE WINDOW



The integrated archive is where you can store found pages for later reference. Open the *Archive* window with *Window > Archive*.

The archive resembles the three panes view of Apple Mail or *DEVONthink*: The left pane shows a list of groups, the right top pane displays page titles and URLs in a selected group, and the right bottom pane displays textual information related to the query that was used for finding a selected page. A search field in the toolbar allows you to search the archive by content, name or URL.

## GROUPS

All archived pages are stored in groups. Groups are automatically created when you archive pages from the search window and are named after the search query. You can change group names at any time, delete groups or manually create new ones. You can also create sub-groups by selecting a group and then creating a new one. The number of items contained in a group is shown as a badge.

Note: Pages not related to a previous search run are archived in sub-groups of a top-level group named 'Incoming'. The sub-groups are named with the current date.

Create new groups by using the toolbar, the contextual menu or *Data > New Group*. Rename a group by clicking it once and waiting a second (like the Finder), or by selecting it and pressing the  $\leftarrow$  or *Enter* key. Delete a group by selecting it and pressing *Backspace*, using the toolbar, the contextual menu or *Data > Delete*. To make a group a sub-group, drag it with the mouse or use the contextual menu.

Sort the groups by name or date with *Sort > by Name* or *Sort > by Date*. Reverse the sorting order with *Sort > Ascending/Descending*.

## PAGES

Like *DEVONthink* or Apple Mail, *DEVONagent Pro* shows the pages filed in a group when you select the group in the left pane. Select a page and *DEVONagent Pro* also shows a text preview in the lower right pane with the original search words highlighted.

Rename a page by single-clicking it and waiting a second (like the Finder), or by selecting it and pressing the  $\leftarrow$  or *Enter* key. Delete an item by selecting it and pressing *Backspace*, using the toolbar, the contextual menu or *Data > Delete*. To

move an item to another group, drag it or use the contextual menu. Items can also be dragged to DEVONthink.

To sort the pages list, click the relevant (first), title, URL or date column header. Click again to reverse the sorting order. The relevance column is only used when you search the archive using the toolbar search field.

## TOOLBAR

The toolbar of DEVONagent Pro archive windows carries many commands for manipulating the way it displays information and for manipulating selected items. Many of them are simply shortcuts for menu bar commands. Here's a short list of the available tools:

- ▶ **Group +:** Adds new groups to the archive. To create a sub-group, select the parent-to-be group first, then use this tool.
- ▶ **Open:** Opens the selected page(s) in a separate web browser window.
- ▶ **Launch URL:** Opens the selected page(s) in your default web browser.
- ▶ **Export:** Exports the selected page(s) as pure text, RTF(D) or HTML.
- ▶ **DEVONthink (Pro):** Adds the selected page(s) to the currently open DEVONthink (Pro) database.
- ▶ **DEVONthink (Pro) pop-up:** Adds the selected page(s) to the currently open DEVONthink (Pro) database, but allows you to select as HTML code or as a link via a pop-up menu.
- ▶ **Delete:** Deletes the selected page(s) from the results list.
- ▶ **Search:** Searches the archive for entered text. Select whether you want to search the contents, the names or the URLs of the stored pages with the magnifying glass pop-up menu. Also choose whether to ignore diacritics or to search fuzzy. This search field also supports all [operators](#) and [wildcards](#).
- ▶ **Print:** Prints the results list.

Note: Not all of these commands are always available. You can customize the toolbar by selecting [View > Customize Toolbar](#) or by ^- clicking or right-clicking the toolbar background and selecting *Customize Toolbar* from the contextual menu.

## SHORTCUTS & MODIFIER KEYS

Like any Mac application, DEVONagent Pro uses modifier keys or shortcuts to quickly access frequently used functions or modify a standard behavior.

- ▶ **Command-click:** Adds an item to the current selection of items.
- ▶ **Shift-click:** Selects a range of items.

## CONTEXTUAL MENU

The contextual menu, which appears when you click something with the right mouse button or when you click while holding the ^ *Control* key down, offers a range of commands tailored for what you can do with the clicked object.

Most of the commands offered by the contextual menu have counterparts in a main menu, so you'll recognize them immediately. However, to save menu bar real estate, DEVONagent Pro gives you access to some options only via the contextual menu.

- ▶ **New Group:** Adds a new group to the archive. To create a sub-group, select the parent-to-be group first, then use this command. (Only available in the left pane)
- ▶ **Open:** Opens the selected pages in separate [web browser windows](#).
- ▶ **Open In Tabs:** Opens the selected pages in separate tabs in a new [web browser window](#).
- ▶ **Launch URL:** Opens the selected pages in your default web browser.
- ▶ **Copy URL:** Copies the selected URL to the clipboard.
- ▶ **Reveal in Finder:** Reveals an externally archived page in the Finder.
- ▶ **Add to DEVONthink:** Adds the selected pages to [DEVONthink](#).
- ▶ **Add to Set...:** Adds the URLs of selected pages to the sites list of a search set so that it will get scanned when you use that search set in the future.

- ▶ **Move To > ...:** Moves the item to the group you select from the sub-menu.
- ▶ **Export:** Exports the selected pages.
- ▶ **Delete:** Deletes the selected pages from the results list.
- ▶ **Delete & Exclude Domain:** Deletes the selected search pages from the results list and adds the domains of the pages to the list of excluded domains. Use this to quickly exclude an unwanted domain without having to block it via the [preferences](#).
- ▶ **Sort by > ...:** Sorts the results list by the criteria listed in the sub-menu.

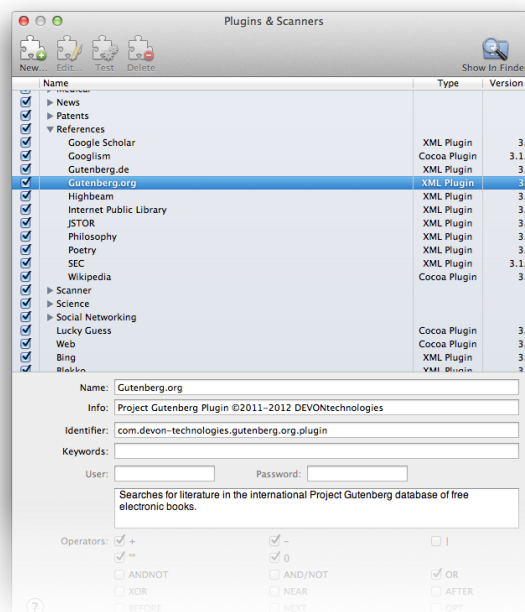
## SEARCH SETS

The *Search Set* window is available via [Window > Search Sets](#). Use it to modify the existing search sets or to create new ones specifically tailored for your needs.

Because search sets are so important, we have created a separate chapter about the search sets and the search sets editor. [See also p. 24ff](#)

## PLUGINS AND SCANNERS

The *Plugins & Scanners* panel, available via [Window > Plugins & Scanners](#), lists all installed plugins and scanners and shows additional information about them, e.g., their type, version and purpose. In addition, it allows you to create new plugins for your favorite websites and search engines.



Also, you can enable or disable plugins or whole groups of plugins by checking or unchecking them. Use this to simplify the [magnifying glass pop-up menu](#) in the search window or the plugin list in the [Search Sets](#) window.

### PLUGINS & SCANNERS

All plugins and scanners are arranged in groups. Click the grey triangle in front of a group to expand it; click it again to close it. Select a plugin or scanner to show additional information:

- ▶ **Name:** Plugin name.
- ▶ **Info:** Additional information, e.g., copyright.
- ▶ **Identifier:** Internal and identification string.
- ▶ **Keywords:** Shortcuts for the plugin. [See also p. 54ff](#)
- ▶ **Description:** Textual description of the plugin.
- ▶ **Operators:** List of supported operators. For plugins that you created yourself, you can check and uncheck them to adjust which operators are supported by the search engine.

Name, info, identifier, description, and keywords of self-made XML plugins can be edited. User-defined plugins, as well as the groups *Browser*, *DEVONsphere*, and *Scanner* are shown in bold.

Note: The group hierarchy is predefined and cannot be manually altered. If you have installed your own plugins, they appear in the top level

of the hierarchy or are mirrored-in following the folder structure in '~/.Library/Application Support/DEVONagent/Plugins/'.

## KEYWORDS

Keywords are shortcuts that you can use to query the search engines defined by the plugin from the address bar of a web browser window.

Example: The [Bing](#) plugin comes with the predefined keyword 'bing'. To send a query to Bing, type e.g., 'bing devonthink' into the address bar of a DEVONagent Pro web browser window and press ↵ or *Enter*.

This effectively replaces the search engine field that is found in other web browsers, such as Safari, with a far more flexible approach. You can add your own keyword(s) to most plugins, separated by spaces, to make them quickly accessible from any open DEVONagent Pro browser window.

In addition, the plugin's name is automatically used as a keyword.

## CREATING & TESTING

Using DEVONagent Pro's built-in plugin assistant, you can easily create your own XML-based search plugin for your favorite search engine. To create your own plugin, choose [File & New Plugin](#) or use the [New](#) toolbar icon.

In the sheet enter:

- ▶ Name for the plugin
- ▶ Short description
- ▶ Website or search engine URL

To get the URL for your search engine, run a search in your web browser, copy the URL, and paste it into the URL field of the to-be-created plugin. Then look for the URL parameter that transports the query, e.g., something like '&query=xxx'. Replace 'xxx' with '\_agentQuery\_'. This tells DEVONagent Pro where to enter the search term. The '\_agentNumber\_' and '\_agentOffset\_' placeholders are automatically inserted if necessary and possible. [See also p. 69ff](#)

Alternatively, if you want to create a plugin that simply searches a website, enter just the URL of the website. DEVONagent Pro will use standard search engines such as Google to run a site-specific search when you use this plugin.

DEVONagent Pro selects the *Website* or *Search Engine* radio buttons automatically, depending on the entered URL.

To test a build-in or self-created plugin use the [Test](#) toolbar icon. DEVONagent Pro will send 'Test' as the standard search term to the plugin and present you with the list of returned pages. Double-click results to view them in a new web browser window. Only XML plugins using 'EngineUrl' can be tested since testing XML plugins using 'EngineSite' is unnecessary.

To edit an existing XML-based plugin, double-click it or use the [Edit](#) toolbar icon. DEVONagent Pro shows an XML text editor with error checking that allows you directly edit the source code of the plugin. [See also p. 69ff](#)

## TOOLBAR

The toolbar of the *Plugins & Scanners* windows lets you easily create new plugins, edit, test, and delete them.

- ▶ **New:** Opens a sheet for creating a new XML-based plugin.
- ▶ **Edit:** Opens a sheet for editing the XML code of the selected plugin.
- ▶ **Test:** Runs a test on the selected plugin and displays the results.
- ▶ **Delete:** Deletes the selected plugins. Built-in plugins cannot be deleted.
- ▶ **Show In Finder:** Opens a new Finder window for the folder containing the selected plugin.

## CONTEXTUAL MENU

The contextual menu, which appears when you click something with the right mouse button or when you click while holding the ⌘ *Control* key down, offers a range of commands tailored for what you can do with the clicked object, for example a text passage.

- ▶ **New:** Opens a sheet for creating a new XML-based plugin.

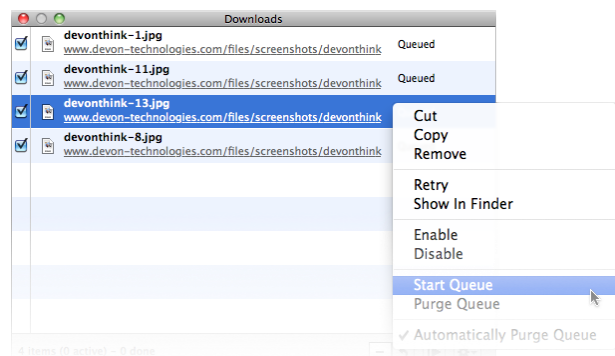
- ▶ **Edit:** Opens a sheet for editing the XML code of the selected plugin.
- ▶ **Duplicate:** Duplicates the selected plugins.
- ▶ **Show In Finder:** Opens a new Finder window for the folder containing the selected plugin.
- ▶ **Test:** Runs a test on the selected plugin and displays the results.
- ▶ **Delete:** Deletes the selected plugins. Built-in plugins cannot be deleted.

The test sheet also presents the following options in the contextual menu:

- ▶ **Open:** Opens the selected URLs in DEVONagent Pro's built-in web browser.
- ▶ **Open In Tabs:** Opens the selected URLs in separate tabs in DEVONagent Pro's built-in web browser.
- ▶ **Launch URL:** Opens the selected URLs in the default application for their types.
- ▶ **Exclude URL:** Adds the selected URLs to the plugin's internal exclude list. Use *Retry* to re-run the test after excluding a URL.
- ▶ **Exclude Domain:** Adds the domains of the selected URLs to the plugin's internal exclude list. Use *Retry* to re-run the test after excluding a domain.
- ▶ **Include URL:** Adds the URL to the "LinksMatching" key.
- ▶ **Include Domain:** Adds the domain to the "LinksMatching" key.
- ▶ **Copy:** Copies the selected URLs to the clipboard.

## DOWNLOADS

[Window > Downloads](#) opens the *Downloads* window. Use it to download files from the Internet to your computer. The download URL is automatically placed into the Finder comment of the downloaded file, as well as in the 'kMDItemWhereFroms' extended file system attribute.



For URLs that require authentication, DEVONagent Pro asks for a username and password. It also uses the systemwide cookies, and can start and stop downloads at any time.

### ADDING, RESUMING, RETRYING

To add files to the Download Manager, drag a link to the item from any DEVONagent Pro web browser window or any other application to the Download Manager window, paste a copied URL or ^-click a link in a DEVONagent Pro [web browser window](#) and choose "Add to Download Manager". ⌘-clicking links in the web browser or the objects drawer adds items to the Download Manager, too. Also, DEVONagent Pro automatically puts files it cannot display into the Download Manager, if you double-click them, e.g., .zip archive files.

DEVONagent Pro downloads files added to the Download Manager immediately. To remove a file, select it and click the - button at the bottom of the window. To temporarily prevent an item from being downloaded, uncheck the checkbox in front of it. Check the checkbox to download the item. Use this to add items to the download queue, but download them later.

To resume or retry a failed download, select the file and click the back arrow button. Use the start/stop button (resembles the start/pause button of a VCR or tape player), to start or stop the entire queue.

You can also drag items from the Download Manager to other windows or to the Finder, or copy it to the Clipboard. Drag-and-drop will send the URL of the item to the target window or application.

DEVONagent Pro puts the web address where the file was downloaded from into the Spotlight comments of the file (not available if DEVONagent Pro was purchased in the Mac App Store).

## ACTION MENU

The action menu provides the same options as the [contextual menu](#).

## CONTEXTUAL MENU

The contextual menu, which appears when you click something with the right mouse button or when you click while holding the  $\wedge$  *Control* key down, offers a range of commands tailored to what you can do with the clicked object.

- ▶ **Cut:** Copies the selected link to the Clipboard and removes it from the queue.
- ▶ **Copy:** Copies the selected link to the Clipboard.
- ▶ **Paste:** Adds a link that is copied to Clipboard to the download manager queue.
- ▶ **Retry:** Retries a stopped or stalled download.
- ▶ **Show In Finder:** Opens a Finder window for the enclosing folders of the selected items.
- ▶ **Enable/Disable:** Enables or disables the selected item(s). Disabled (unchecked) items are not downloaded but kept in the download queue.
- ▶ **Reload:** Reloads the selected items.
- ▶ **Remove:** Removes the selected items from the queue.
- ▶ **Start/Stop Queue:** Starts or stops the download queue.
- ▶ **Purge Queue:** Purges all completed items from the queue.
- ▶ **Automatically Purge Queue:** When checked, completed items are automatically purged from the queue.

## PREFERENCES

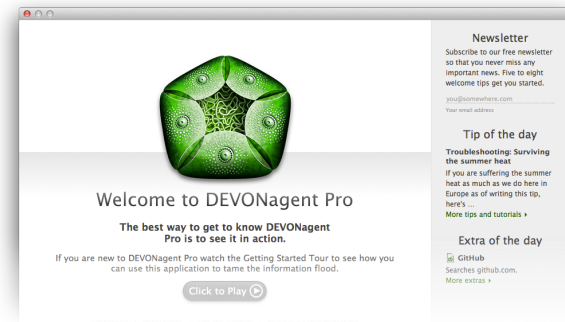
The *Preferences* window is available via [DEVONagent Pro > Preferences](#). It contains all available options that you can modify to adapt DEVONagent Pro to your personal needs.

Because the preferences are so important, we have created a chapter just for them. [See also p. 58ff](#)

## ASSISTANT

The integrated *Assistant* combines a welcome screen with tips, tricks, and tutorials, installable extras, and a support page that guides you through the available support options.

[Click here](#) to directly open the assistant.



## WELCOME

This screen welcomes you when you start DEVONagent Pro for the very first time. It offers:

- ▶ The option to subscribe to the free DEVONtechnologies newsletter, as well as a number of welcome tips
- ▶ The tip of the day
- ▶ The extra of the day

You can access all other screens of the assistant from here, too.

## GET SUPPORT

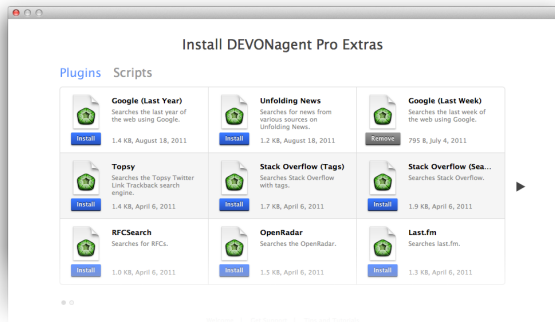
The support screen guides you through the three common steps for troubleshooting DEVONagent Pro. In addition you can have your license code resent, request a trial extension, update your details in DEVONtechnologies' customer database, or buy an upgrade or a second license.

## TIPS AND TUTORIALS

Here you can always find the latest tips and tutorials that help you squeeze the best out of DEVONagent Pro. Tutorials can be slideshows describing basic tasks in DEVONagent Pro or videos (as they become available).

Both tips and tutorials are updated live from DEVONtechnologies' server, so it's a good idea to check back from time to time. The latest tip or tutorial is always mentioned on the welcome screen.

## INSTALL EXTRAS



On the extras screen, DEVONagent Pro lists available extras that you can download and install from DEVONtechnologies' server:

### ► Scripts

### ► Plugins

Browse the list of extras and install them with the *Install* button. The last line of the description shows where in the *Scripts* menu or *Plugins* hierarchy the extra will show up after installation. Remove installed extras with the *Remove* button.

The extras are updated live from DEVONtechnologies' server so it's a good idea to check back from time to time. The latest extra is always mentioned on the welcome screen.

Note: If one of these categories does not show up in your copy of DEVONagent Pro, there may not be extras of this type available yet for DEVONagent Pro.

# PREFERENCES

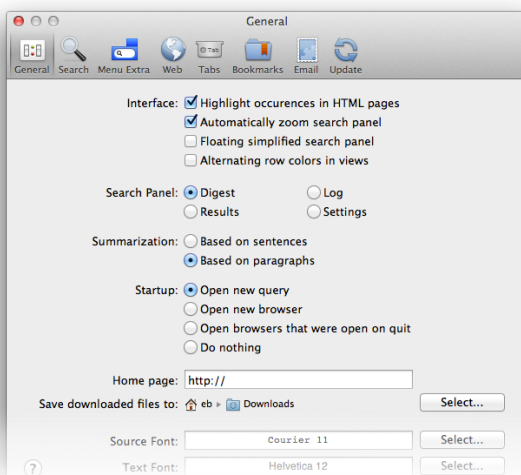
## In this chapter:

General	58
Search	59
Menu extra	60
Web	61
Tabs	62
Bookmarks	62
Email	63
Update	63

The preferences window, which you open by selecting *Preferences* in the **DEVONagent Pro** menu, is the place where you change all global settings of DEVONagent Pro.

For your convenience, the preference panel is divided into tabs, just like *System preferences*. Use the icons at the top of the preferences window to select the tab you want to check or modify.

## GENERAL



This tab contains all options modifying the user interface and the summarization of search results.

## INTERFACE

These options define some parts of DEVONagent Pro's visual appearance.

- ▶ **Highlight occurrences in HTML pages:** Check to highlight occurrences of search words in [web browser windows](#) or views.
- ▶ **Automatically zoom search panel:** Check to open new [search windows](#) simplified.
- ▶ **Floating simplified search panel:** Makes the simplified [search window](#) float above all other windows. Use this to have the search window always handy.
- ▶ **Alternating rows colors in views:** When checked, DEVONagent Pro colors lines in lists differently to make them easier to read.

## SEARCH PANEL

This option defines which tab DEVONagent Pro shows when a search run is done.

- ▶ **Digest:** Switches to the [Digest](#) tab when DEVONagent Pro has finished a search run.
- ▶ **Results:** Switches to the [Results](#) tab when DEVONagent Pro has finished a search run.
- ▶ **Log:** Switches to the [Log](#) tab when DEVONagent Pro has finished a search run.
- ▶ **Settings:** Switches to the [Settings](#) tab when DEVONagent Pro has finished a search run.

## SUMMARIZATION

These options define how DEVONagent Pro creates summaries.

- ▶ **Based on sentences:** Creates summaries based on sentences. These are generally shorter summaries, so you may miss information that DEVONagent Pro classifies as not important.
- ▶ **Based on paragraphs:** Creates summaries based on whole paragraphs. These are longer summaries that are not clipped.

## STARTUP

These options let you define what DEVONagent Pro does when you open it.

- ▶ **Open new query:** Opens a new, empty [search window](#) when you open DEVONagent Pro.
- ▶ **Open new browser:** Opens a new [web browser window](#) when you open DEVONagent Pro.
- ▶ **Open browsers that were open on quit:** Opens the [web browser windows](#) that were open on quit.
- ▶ **Do nothing:** Does nothing when you open DEVONagent Pro.

## HOME PAGE, ...

These options define the default home page and the folder for downloaded files.

- ▶ **Home page:** Sets the home page that is loaded automatically each time you open a new [web browser window](#).
- ▶ **Save downloaded files to:** Sets the folder into which DEVONagent Pro saves downloaded files. [See also p. 55ff](#)

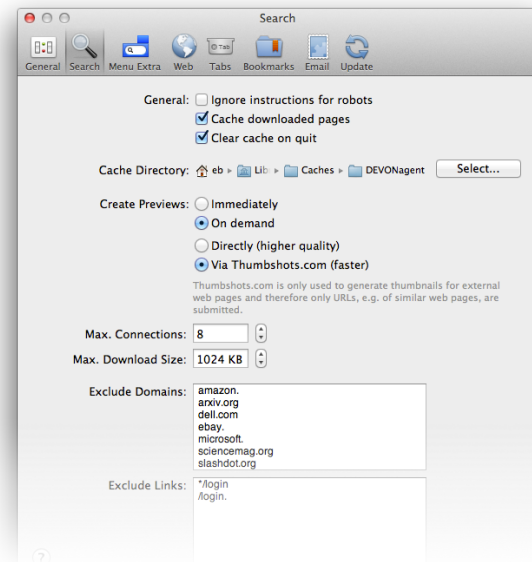
## FONTS

Define the fonts you want to use for searching and reading texts. Click the *Select* buttons to open the standard Mac OS X font panel.

- ▶ **Source font:** Changes the font used for displaying source code. A monospaced font, such as Courier or Monaco, gives you the best results.
- ▶ **Text font:** Changes the font used for displaying plain text, e.g., text extracted from webpages.

## SEARCH

Contains all options dealing with the cache, the number of connections, and domains excluded from searching.



## GENERAL

- ▶ **Ignore instructions for robots:** Ignores instructions embedded into the HTML code of webpages that tell robots (like DEVONagent Pro) to not index a page. If unchecked (default setting), DEVONagent Pro tries to honor the wishes of the webpages creator.
- ▶ **Cache downloaded pages:** Check if you want DEVONagent Pro to store downloaded pages in its cache. This consumes disk space, but leads to much faster searches when DEVONagent Pro scans an already cached page.
- ▶ **Clear on quit:** When checked, DEVONagent Pro clears the cache upon quit.
- ▶ **Cache Directory:** Shows the path to the folder used by DEVONagent Pro for its cache. Double-click an item to reveal it in the Finder or select another folder for DEVONagent Pro to use.

## CREATE PREVIEWS

Choose whether DEVONagent Pro should create previews of visited or found pages immediately or on demand, and set how DEVONagent Pro generates thumbnails of webpages.

- ▶ **Immediately:** Previews are created and cached immediately.
- ▶ **On demand:** Previews are created and cached only when needed (default).
- ▶ **Directly:** DEVONagent Pro generates thumbnails itself (higher quality).

- ▶ **Via Thumbshots.com:** DEVONagent Pro asks [Thumbshots.com](http://Thumbshots.com) to generate thumbnails (faster).

Note: DEVONagent Pro never sends more than just the URLs of the to-be-thumbnailed webpages to Thumbshots.com.

## MAX. CONNECTIONS

Use this parameter to adjust the number of connections DEVONagent Pro uses concurrently so as to match the speed of your Internet connection and your computer.

## MAX. DOWNLOAD SIZE

Choose how large files can be that DEVONagent Pro downloads in search runs. Adjust this to your Internet connection speed. Files skipped due to file size are marked as "Too big" in the [log tab of the search window](#).

## EXCLUDE DOMAINS, ...

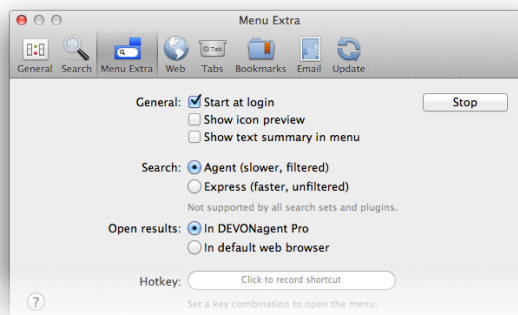
**Exclude Domains:** Enter all domains you want to exclude from searching in this text field, separated by returns. Use this to exclude domains blocking automatic bots like DEVONagent Pro, e.g., 'sciencemag.org' or 'slashdot.org', or to ignore sites you don't like (for example 'google.com'). Domains skipped because they match one or more entries in this list are marked as 'Skipped' in the [Log](#) tab of the [Search](#) window.

**Exclude Links:** Enter URLs you want to exclude from being searched.

Note: Both fields also accept the `^*` wildcards at the beginning or end of lines.

## MENU EXTRA

The options in this tab determine if DEVONagent Pro's [menu extra](#) is automatically started when you log into your account, if the menu should show icon previews, how results are opened when selected, and what hotkey to use to call the menu.



## GENERAL

- ▶ **Start at login:** The menu extra is started automatically when you log in.
- ▶ **Show icon preview:** Shows preview icons of the found pages in the menu.
- ▶ **Show text summary in menu:** Shows a short summary directly in the menu. Uncheck this option to keep the menu less crowded; you can always read the full summary in the tooltip.

## SEARCH

- ▶ **Agent:** Downloads each result page and filter e.g. error pages.
- ▶ **Express:** Returns the results unfiltered.

In both cases DEVONagent Pro uses its unique artificial intelligence technology to rank the results, in *Express* mode only based on title, address, and a short summary, in *Agent* mode based on the full text of the page.

## OPEN RESULTS

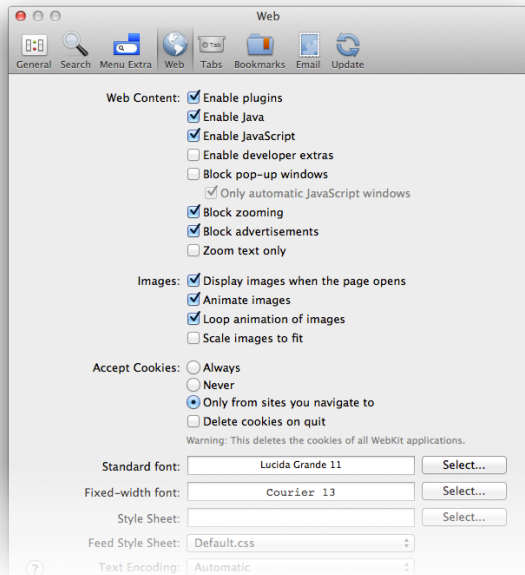
- ▶ **In DEVONagent Pro:** Results you select in the menu extra's menu are opened using DEVONagent Pro's browser.
- ▶ **In default web browser:** Results you select in the menu extra's menu are opened using your default web browser.

## HOTKEY

Click the button to record any key combination you like to call the menu extra. Using the hotkey will open the menu extra in OS X 10.7 Lion's fullscreen mode, too.

## WEB

The options in this tab resemble the settings of most web browsers. They define how DEVONagent Pro's built-in [web browser windows](#) displays HTML documents and live webpages.



### WEB CONTENT

These settings define how DEVONagent Pro treats special Web contents.

- ▶ **Enable plugins:** Check this option to use installed third-party plugins, e.g., Flash or RealPlayer.
- ▶ **Enable Java:** Check this option to run Java applets contained in or linked to webpages.
- ▶ **Enable JavaScript:** Check this option to run JavaScript scripts contained in webpages.
- ▶ **Block pop-up windows:** Check this option to block pop-up windows, which are often advertisements. Uncheck this option if the webpage you're visiting uses pop-up windows for actual content (which some Web content management systems do).
- ▶ **Only automatic JavaScript windows:** Check this option to block only pop-up windows opened by JavaScript, instead of all pop-ups.
- ▶ **Block zooming:** Check this option to keep JavaScript from zooming the [web browser window](#) to full screen.
- ▶ **Block advertisement:** Check this option to block common inline advertisements provided by major search engines.

- ▶ **Zoom text only:** Check to scale only the text when [zooming in and out](#) of webpages. If unchecked, DEVONagent Pro uses Safari-4-style zooming.

### IMAGES

Use these options to define how DEVONagent Pro displays graphics in webpages.

- ▶ **Display images when the page opens:** Check this option to display webpages with images or uncheck to load them without images. If unchecked, you may miss some information on graphic-oriented pages.
- ▶ **Animate images:** Check this option to run animated graphics; uncheck it to show the items statically.
- ▶ **Loop animations of images:** Check this to run animated graphics in a loop.

### ACCEPT COOKIES

Cookies are little text files with information that webpages store on your computer to recognize you as a returning customer. While most cookies are harmless, you may want to control what is being stored on your hard disk.

- ▶ **Always:** Accepts all cookies.
- ▶ **Never:** Doesn't accept any cookies
- ▶ **Only from sites you navigate to:** Accepts cookies, but only from websites you navigate to, not from other sites, e.g., ad trackers.
- ▶ **Delete cookies on quit:** Deletes all stored cookies when you quit DEVONagent Pro.

Note: *Delete cookies on quit* deletes the cookies for all WebKit-based web browsers including Safari. All these browsers use the same single cookie file.

### STANDARD/FIXED-WIDTH FONT

Set the font you want to use for displaying webpages separately for variable-width and fixed-width text.

## (FEED) STYLE SHEET

You can further control the way DEVONagent Pro displays webpages by applying a CSS style sheet for changing the rendering on-the-fly.

- ▶ **Style Sheet:** Click *Select* and choose your own style sheet to apply it.
- ▶ **Feed Style Sheet:** DEVONagent Pro comes with a number of different style sheets for RSS news feeds. Choose your preferred style. You can use your own CSS styles for news feeds by placing them in '~/Library/Application Support/DEVONagent/StyleSheets/' (restart DEVONagent Pro if necessary).

Note: Applying an external CSS style sheet to webpages is an expert option. It heavily affects the rendering of all webpages in DEVONagent Pro, though it does not interfere with the search functionality of DEVONagent Pro.

## TEXT ENCODING

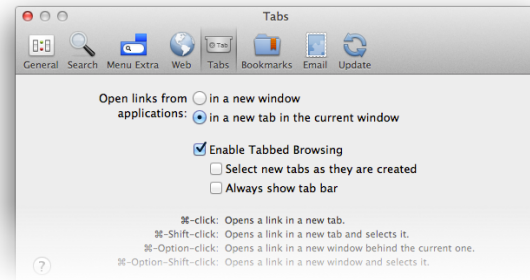
Select your desired text encoding for displaying webpages. Generally the default setting, *Automatic* should work fine. If not, choose a more appropriate text encoding for your language.

## WEBKIT DEVELOPER EXTRAS

Enable to use the standard WebKit developers extras in web browser, e.g., the element inspector or the JavaScript console.

## TABS

Like many modern web browsers, DEVONagent Pro features tabbed browsing. This enables you to display multiple webpages in one [web browser window](#) and switch between them with tabs.



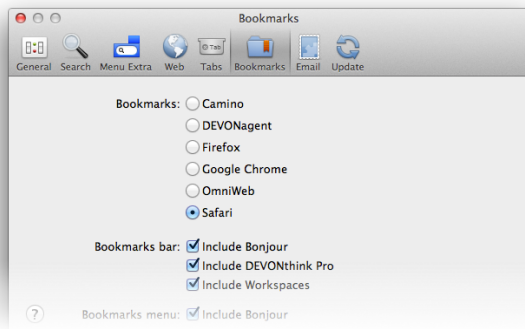
Use the following settings to activate tabbed browsing and define additional options. They resemble those available in Apple Safari.

- ▶ **Open links from applications:** Defines whether DEVONagent Pro shows pages requested by other applications, such as the Finder, in a new window or in a new tab in the current [web browser window](#).
- ▶ **Enable Tabbed Browsing:** Switches tabbed browsing on or off. You can always create new tabs manually, but DEVONagent Pro will not open new tabs automatically or when you  $\text{⌘}$ -click a link.
- ▶ **Select new tabs as they are created:** When checked, DEVONagent Pro automatically switches to a newly generated tab.
- ▶ **Always show tab bar:** When checked, the tab bar is always visible; when unchecked, DEVONagent Pro only shows the tab bar when at least two tabs are open.

Note: The lower part of the preference window shows the keyboard commands for creating new tabs and opening links in new tabs, similar to Apple Safari. The keyboard commands may change with the options you select above.

## BOOKMARKS

DEVONagent Pro makes the bookmarks defined in your favorite web browser available both in the [Go](#) menu and in a bookmark drawer in [web browser windows](#).



## BOOKMARKS

Select your favorite browser:

- ▶ [Camino](#)
- ▶ [DEVONagent Pro](#)
- ▶ [Firefox](#)
- ▶ [Chrome](#)
- ▶ [OmniWeb](#)
- ▶ [Safari](#)

DEVONagent Pro comes with its own bookmark management. Choose *DEVONagent Pro* in the list to use the integrated bookmark management. [See also p. 47ff](#)

## BOOKMARKS BAR

Select whether DEVONagent Pro automatically mirrors Web servers announced via Bonjour, bookmarks stored in [DEVONthink Pro](#), and workspaces in the bookmarks pane in a web browser windows [sidebar](#) or the [Go](#) menu.

- ▶ **Include Bonjour:** List Web server announced via Bonjour.
- ▶ **Include DEVONthink Pro:** List bookmarks from open [DEVONthink Pro](#) databases. The bookmarks are retrieved when DEVONagent Pro starts up. Since they are caches, they remain available even when DEVONthink Pro isn't open.
- ▶ **Include Workspaces:** List [workspaces](#).

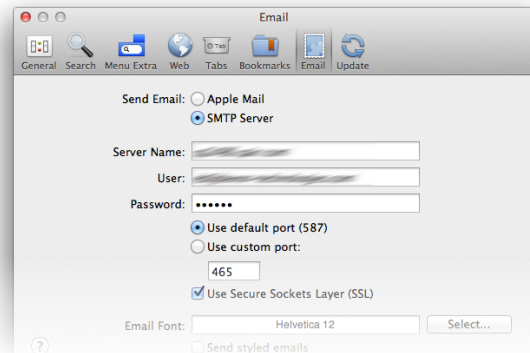
## BOOKMARKS MENU

Select if you want to include Bonjour services in the [Go](#) menu.

- ▶ **Include Bonjour:** List Web servers announced via Bonjour in [Go](#) menu.

## EMAIL

DEVONagent Pro can send you reports of schedules search runs by email. Tell DEVONagent Pro how it shall send you messages on this tab.



## SEND EMAIL

Choose if you want DEVONagent Pro to send you email using Apple Mail or using the built-in email function. If you don't use Apple Mail, add your email account details:

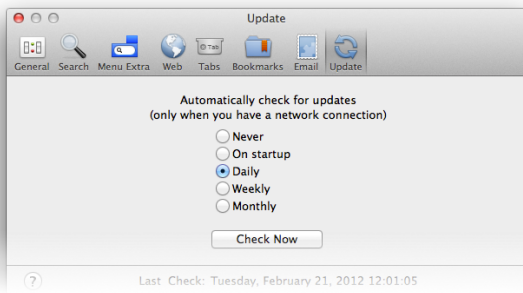
- ▶ **Server Name:** Your SMTP server address
- ▶ **User:** Your SMTP user name
- ▶ **Password:** Your SMTP password
- ▶ **Port:** The port to use; usually the default port should work
- ▶ **SSL:** Check if you want to use a secure connection

## EMAIL FONT

Set the font used for styled emails (rich text). Check *Send styled emails* to let DEVONagent Pro send summary emails as RTF text. [Read more about sending summary email messages here.](#)

## UPDATE

Change the settings on this tab to choose when you want DEVONagent Pro to check for new versions: never, on startup, daily, weekly or monthly. DEVONagent Pro only checks for updates when the computer is connected to the Internet.



Click *Check Now* to immediately check for a new version.

Note: Disable the check for new versions when your network connection is unstable and you experience long delays when opening DEVONagent Pro. This feature is not available when DEVONagent Pro was purchased through the Mac App Store.


# WIDGETS & MENU EXTRA

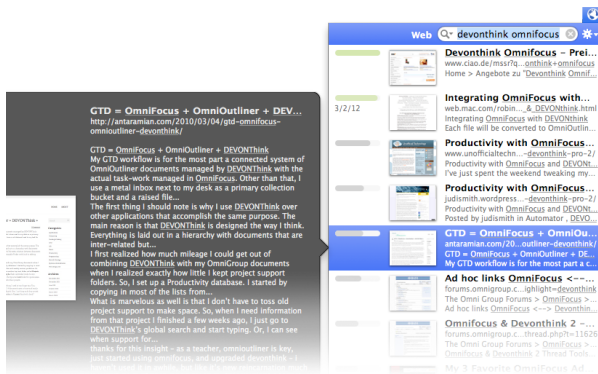
## In this chapter:

Menu extra	65
DEVONagent Pro widget	65

DEVONagent Pro comes with a menu extra and a Dashboard widget that allow you to enter a query and search run at any time from either the menu bar or the Dashboard.

## MENU EXTRA

DEVONagent Pro adds a  menu extra to the right-hand side of the menu bar.





It looks similar to the Spotlight menu and works pretty much the same way:

- ▶ Choose a [search set](#) or [plugin](#) from the magnifying glass pop-up menu.
- ▶ Enter your [query](#).
- ▶ Hit **↵** or **Enter**.

DEVONagent Pro runs the query and shows the results in the menu.

- ▶ A colored bar in the search field shows search progress.
- ▶ Point with the mouse at any result to show a tooltip with a preview and a text summary.
- ▶ Click the result to open it in DEVONagent Pro or your default browser. [See also p. 60ff](#)
- ▶ Hold the **⌘** or **⌘** modifier key to open results in the background.

- ▶ Drag results to the Desktop or other applications. Dragging to the Desktop creates bookmarks (.webloc); dragging to other applications inserts the web address.
- ▶ Navigate through the list with the *Up* and *Down* keys, press **↵** or *Enter* to open the result in your browser.
- ▶ Recall recent searches using the magnifying glass  pop-up menu.
- ▶ Click the  to clear your search.

## DEVONAGENT PRO WIDGET

The DEVONagent Pro widget allows you to search your DEVONagent Pro database directly from the Dashboard. The widget sends the entered query to DEVONagent Pro, where you can then pick up your search results. Tip: Use an action for the used search set, e.g., a bouncing Dock icon or a notification, that lets you know when the search run is completed.

### FRONT SIDE



On the front side of the widget, enter your query and click the DEVONagent Pro icon to start the search run. If DEVONagent Pro is not running, it will be opened. The title bar of the widget shows the search set that DEVONagent Pro will use for the search run. You can select another search set on the back side of the widget.

### BACK SIDE

You can flip the widget front to back by clicking the *i* button that appears when you move the mouse into the lower right corner of the widget. The back side contains a pop-up menu for selecting the default search set.

Click *Done* to flip the widget back to the front side.

# SCRIPTS

## In this chapter:

Introduction	66
DEVONagent Pro's Scripts menu	67
Automator	68

DEVONagent Pro comes with a fully loaded AppleScript dictionary and several Automator actions that help you automate almost every aspect of your DEVONagent Pro workflow. Use the included scripts to perform regular tasks and as templates for creating your own scripts and Automator workflows.

## INTRODUCTION

DEVONagent Pro features an AppleScript dictionary and Automator actions that automate the application and integrate it with almost every other application supporting AppleScript and Automator.

## EXAMPLE SCRIPTS

To make it easier for you to start using and writing scripts, we deliver a slew of scripts with DEVONagent Pro that you can access in the *Scripts* menu (which shows a stylized S symbol as its title instead of the word Scripts). These scripts interact directly with selected items, the currently displayed webpage or a window. All scripts delivered with DEVONagent Pro are useable in your daily work and don't require modification.

## INTEGRATING OTHER APPLICATIONS

In addition to the scripts that you use inside DEVONagent Pro, Mac OS X features a global script menu that allows you to access certain scripts from any application on your Mac, e.g., your web browser or Apple Mail. When activated, the global script icon appears at the right side of the menu bar (like other menu extras such as the *AirPort signal strength* or the *Spotlight* icon). It appears with a black stylized S icon.

Note: By using folders named after applications inside the '~/Library/Scripts/Applications' directory, it is also possible to make scripts application-specific. Such scripts will appear at the top level of the global script menu when the application they belong to is frontmost. This removes clutter and shows only scripts that make sense in the current application.

DEVONagent Pro does not come with scripts for other applications, but you can use the global script menu for creating application-specific scripts.

To activate the global script menu, do the following:

- ▶ Open the AppleScript Utility (located in '/Applications/AppleScript').
- ▶ Check *Show Script Menu in menu bar*.
- ▶ Uncheck *Show Library scripts* if you only want to see the scripts you have installed yourself.

To install your own scripts, copy them into the folder '~/Library/Scripts'. You can use subfolders to structure them in any way you like.

## DEVONAGENT PRO'S DICTIONARY

DEVONagent Pro includes a large dictionary with commands, objects, and methods you can use for writing scripts that interact or extend DEVONagent Pro. To view the dictionary, open the Script Editor application (by default located in '/Applications/AppleScript'), select *File > Open Dictionary* and choose DEVONagent Pro in the window.

You can also add DEVONagent Pro to your Script Editor library. Select *Window > Library*, click the + button and choose DEVONagent Pro. This way you keep DEVONagent Pro's dictionary at hand.

## CACHING

DEVONagent Pro caches pre-compiles and caches scripts as soon as they're called for the first time, so when you are modifying a script you need to make

sure DEVONagent Pro takes notice of the changes. For scripts in the [Scripts menu](#), use the *Scripts > Update Scripts Menu* command.

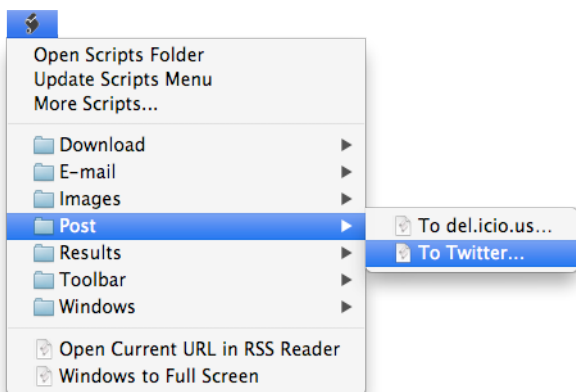
## LEARNING APPLESCRIPT

This documentation is not an AppleScript language guide. Please refer to [Apple's AppleScript website](#), other online resources, or introductory and reference books for more information on the AppleScript language. Here are some links for you:

- ▶ [The Ultimate Beginner's Guide to AppleScript](#)
- ▶ [Mac OS X AppleScript Resources Page](#)
- ▶ [MacScripter](#)
- ▶ [ScriptWeb](#)
- ▶ [TECsoft Hands-On Trainings](#)
- ▶ [Scripting Matters Trainings](#)
- ▶ [AppleScript for Absolute Starters \(free PDF book\)](#)
- ▶ [AppleScript: The Missing Manual](#)
- ▶ [AppleScript: The Definitive Guide](#)

## DEVONAGENT PRO'S SCRIPTS MENU

The internal scripts menu of DEVONagent Pro, located to the left of the [Help](#) menu, gives you access to pre-made scripts that extend DEVONagent Pro with additional, more specialized commands and functions. They are only visible from inside DEVONagent Pro.



Of course, you can easily modify all these scripts using AppleScript Editor, and the workflows using [Automator](#). And you can add your own scripts and workflows--located in '~/Library/Application

Support/DEVONagent Pro/Scripts'--to the menu. You can open this folder in the Finder using *Scripts > Open Scripts Folder*.

Note: If you want to add keyboard shortcuts to scripts in this menu, you cannot do this using *System Preferences*. You need to add the shortcut description to the file name of the script in '~/Library/Application Support/DEVONagent/Scripts' or '~/Library/Scripts'. Example: 'eMail Current URL (Mail)\_\_\_Cmd-Alt-M.scpt'. The naming convention is three underline characters followed by the shortcut description.

## SCRIPTS INTERACTING WITH OTHER APPLICATIONS

- ▶ **Email Current Page (Mail):** Creates a new message in Apple Mail with the currently displayed webpage attached as webarchive. Webarchives contain the HTML code of the page including all embedded elements that are necessary to display them.
- ▶ **Email Current URL (Mail):** Creates a new message in Apple Mail with the URL of the currently displayed webpage in the body.
- ▶ **Email Current URL:** Asks for an email address and sends the URL of the currently displayed webpage by email to this address. This script does not use Apple Mail, but sends the message directly via the messaging framework of Mac OS X. It requires that you have set up at least one email account correctly in Apple Mail.
- ▶ **Email Results (Mail):** Creates a new email in Apple Mail with the abstracts of all results in its body.
- ▶ **Post to del.icio.us:** Posts the selected items as bookmarks to [del.icio.us](#).
- ▶ **Post to Twitter:** Posts the selected items to [Twitter](#).

## SCRIPTS WORKING WITH IMAGES

- ▶ **Download Embedded JPEG Images:** Downloads all JPEG images embedded into the currently displayed page to the default download location via the [download manager](#).
- ▶ **Download Linked JPEG Images:** Downloads all JPEG images linked from the currently displayed

page to the default download location via the [download manager](#).

- ▶ **Open Linked JPEG Images in Tabs:** Opens all JPEG images linked from the currently displayed page in separate [tabs](#), then closes the current tab.
- ▶ **Open Linked JPEG Images:** Opens all JPEG images linked from the currently displayed page in separate [web browser windows](#).

## SCRIPTS WORKING WITH PAGES AND RESULTS

- ▶ **Download Objects of Results:** Downloads all found objects of the frontmost search window. The search needs to be run with an active [scanner](#) returning objects, e.g. *Embedded Images*.
- ▶ **Convert Results to RSS:** Creates an RSS feed file for the found results and puts it into ~/Sites/rss. [Enable web sharing](#) to easily view your feeds locally using your web browser by browsing to, e.g., "http://127.0.0.1/rss/mysearchset.rss".
- ▶ **File Results in DEVONthink Pro:** Files new results in [DEVONthink Pro's](#) global inbox. One group is created for each search set/query.
- ▶ **Speak Titles of Results:** Speaks the titles of the selected pages.

## SCRIPTS FOR THE TOOLBAR

By default this contains no scripts. Add your own scripts here and also add them to the toolbar of [search](#) and [browser windows](#) using [View > Customize Toolbar](#).

## SCRIPTS ARRANGING WINDOWS

- ▶ **Open last Safari session:** Opens the last Safari session in DEVONagent Pro.
- ▶ **Browsers Side-by-Side:** Arranges the currently open [web browser windows](#) side-by-side.
- ▶ **Tile Browsers:** Arranges the currently open [web browser windows](#) tiled to 800 pixel width.
- ▶ **Combine Windows:** Combines the currently open [web browser windows](#) as separate tabs in one window.
- ▶ **Windows to Full Screen:** Resizes all [web browser windows](#) to full screen.

## AUTOMATOR

DEVONagent Pro also comes with a bundle of integrated Automator actions you can use to create your own Automator workflows.

To see which actions DEVONagent Pro provides, open Automator and select DEVONagent Pro in the applications list on the left hand side. If you do not see DEVONagent Pro in the *Library* list, use *View > Arrange Actions by > Application*. Select any action to show a short description about what the action does, and have a look at Automator's built-in help to learn more about how to create a workflow.

Note: Cannot find the Automator action you need for your workflow? [We're open to suggestions!](#)

# PLUGIN DEVELOPMENT

## In this chapter:

Creating Your Own Plugins	69
XML Keys	71

DEVONagent Pro comes with a long list of ready-to-use plugins for popular search engines. However, you easily can write your own plugins to query your favorite search engine. Here is all what you need.

[The tutorial](#) gives you a jump-start on how to write your own plugins for DEVONagent Pro, e.g., for integrating a search engine we haven't thought of yet. And the [XML keys descriptions](#) explain all the XML tags you can use in developing the perfect plugin.

## CREATING YOUR OWN PLUGINS

Do you have one or more favorite websites you would like to search using DEVONagent Pro? This document shows you how to create an XML plugin for DEVONagent Pro. It is a step-by-step tutorial that guides you through a real, practical example--one that is found in the list of plugins of the application.

It would be good to also have a look at the [Keys section](#) of this chapter. This describes the XML keywords in nitty-gritty detail.

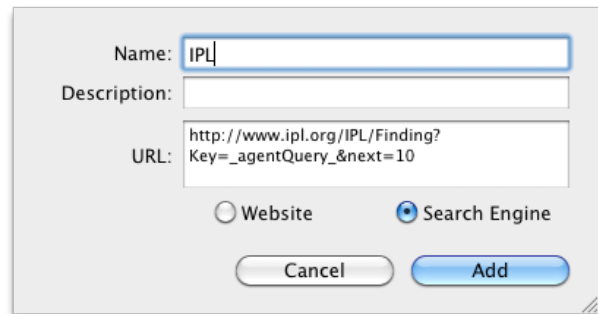
DEVONagent Pro comes with an integrated plugin assistant that makes creating your own XML-based plugin convenient and easy. Let's create a simple plugin from scratch in six steps.

### STEP 1

Open a web browser window for [www.ipl.org](http://www.ipl.org) in DEVONagent Pro or any other web browser. Then search for 'Test' and copy the 'Next >>' link leading to the second results page.

### STEP 2

Choose *File > New Plugin*, paste the copied link, and replace 'Test' with '\_agentQuery\_'.



Enter a name and description (useful but not necessary). The *Search Engine* radio button is automatically selected by DEVONagent Pro.

The '\_agentQuery\_' placeholder is where DEVONagent Pro inserts the search term when using the plugin. The '\_agentOffset\_' placeholder, which is used by DEVONagent Pro to jump from result page to result page, is automatically inserted instead of the '10' of the '&next=' parameter after clicking the *Add* button.

### STEP 3

Let's test the plugin. In this case, the created plugin is fully functional but is causing unnecessary traffic and might return unexpected results. Therefore, select any 'www.ipl.org' URL in the log and choose *Exclude Domain* in the contextual menu. This excludes all pages on [ipl.org](http://ipl.org) from becoming possible results.

Date	Address	Error
15:11:51	www.ipl.org/IPL/Finding?Key=Test&next=0	Links: 21
15:11:51	www.cancer.gov/cancertopics/factsheet/detection/PSA	+
15:11:51	www.ctc.ca.gov/credentials/leaflets/cl667.html	+
15:11:51	www.uscis.gov/portal/site/uscis/menuitem.eb1d4c2a3e5b9ac85	+
15:11:51	www.ipl.org/IPL/Display?key=res:iii-8098&layout=blank	+
15:11:51	www.tmworld.com/	+
15:11:51	www.ipl.org/IPL/Display?key=res:iii-27023&layout=blank	+
15:11:51	www.sat-preparation.co.il/	+
15:11:51	www.ipl.org/IPL/Display?key=res:iii-16113&layout=blank	+
15:11:51	www.ipl.org/IPL/Display?key=res:iii-21943&layout=blank	+
15:11:51	www.ipl.org/IPL/Display?key=res:ipl-71318&layout=blank	+
15:11:51	www.ipl.org/IPL/Finding?Key=Test&next=10	+
15:11:51	www.ipl.org/IPL/Display?key=res:ipl-20543&layout=blank	+
15:11:51	www.ipl.org/IPL/Display?key=res:iii-12204&layout=blank	+
15:11:51	www.isat.org	+
15:11:51	www.ca.org/calwebdb/fttest/	+
15:11:51	www.ipl.org/IPL/Display?key=res:iii-28145&layout=blank	+
15:11:51	www.ipl.org/IPL/Display?key=res:ipl-76008&layout=blank	+
15:11:51	www.ipl.org/IPL/Display?key=res:iii-4427&layout=blank	+
15:11:51	www.americastestkitchen.com/	+
15:11:51	www.geocities.com/donaldjhagen/humorousstest.html	+
15:11:51	vocabulary.com/top108satwords.html	+
15:11:52	www.ipl.org/IPL/Finding?Key=Test&prev=10	Links: 23
15:11:52	www.ipl.org/IPL/Display?key=res:ipl-75170&layout=blank	+
15:11:52	www.ipl.org/IPL/Display?key=res:ipl-30993&layout=blank	+
15:11:52	www.ipl.org/IPL/Finding?Key=Test&next=20	+
15:11:52	www.inedapencil.com/	+
15:11:52	www.ipl.org/IPL/Display?key=res:ipl-81423&layout=blank	+
15:11:52	history.nih.gov/exhibits/thinblueline/	+
15:11:52	www.ipl.org/IPL/Display?key=res:iii-15617&layout=blank	+
15:11:52	www.ipl.org/IPL/Display?key=res:ipl-70909&layout=blank	+
15:11:52	www.acenet.edu/AM/Template.cfm?Section=GEDTS	+
15:11:52	www.ipl.org/IPL/Display?key=res:ipl-30692&layout=blank	+
15:11:52	www.cynthiasays.com/	+

#### STEP 4

Retry the test. In the log you can see that DEVONagent Pro uses 10 links per page returned by IPL.

Date	Address	Error
15:10:23	www.ipl.org/IPL/Finding?Key=Test&next=0	Links: 10
15:10:23	www.tmworld.com/	+
15:10:23	vocabulary.com/top108satwords.html	+
15:10:23	www.cancer.gov/cancertopics/factsheet/detection/PSA	+
15:10:23	www.ctc.ca.gov/credentials/leaflets/cl667.html	+
15:10:23	www.uscis.gov/portal/site/uscis/menuitem.eb1d4c2a3e5b9ac85	+
15:10:23	www.ca.org/calwebdb/fttest/	+
15:10:23	www.americastestkitchen.com/	+
15:10:23	www.geocities.com/donaldjhagen/humorousstest.html	+
15:10:23	www.isat.org	+
15:10:23	www.sat-preparation.co.il/	+
15:10:23	www.ipl.org/IPL/Display?key=res:ipl-76008&layout=blank	-
15:10:23	www.ipl.org/IPL/Display?key=res:ipl-71318&layout=blank	-
15:10:23	www.ipl.org/IPL/Display?key=res:iii-21943&layout=blank	-
15:10:23	www.ipl.org/IPL/Display?key=res:iii-12204&layout=blank	-
15:10:23	www.ipl.org/IPL/Display?key=res:iii-4427&layout=blank	-
15:10:23	www.ipl.org/IPL/Display?key=res:iii-8098&layout=blank	-
15:10:23	www.ipl.org/IPL/Finding?Key=Test&next=10	-
15:10:23	www.ipl.org/IPL/Display?key=res:ipl-20543&layout=blank	-
15:10:23	www.ipl.org/IPL/Display?key=res:iii-16113&layout=blank	-
15:10:23	www.ipl.org/IPL/Display?key=res:iii-27023&layout=blank	-
15:10:23	www.ipl.org/IPL/Display?key=res:iii-28145&layout=blank	-
15:10:23	www.ipl.org/IPL/Finding?Key=Test&next=10	Links: 10
15:10:23	www.people.cornell.edu/pages/jad22/	+
15:10:23	school.familyeducation.com/educational-testing/study-skills/34	+
15:10:23	www.sec.gov/investor/tools/quiz.htm	+
15:10:23	www.act.org/	+
15:10:23	history.nih.gov/exhibits/thinblueline/	+
15:10:23	www.collegeboard.com/	+
15:10:23	www.vocabulary.co.il/	+
15:10:23	www.acenet.edu/AM/Template.cfm?Section=GEDTS	+
15:10:23	www.inedapencil.com/	+
15:10:23	www.cynthiasays.com/	+
15:10:23	www.ipl.org/IPL/Display?key=res:iii-17014&layout=blank	-
15:10:23	www.ipl.org/IPL/Finding?Key=Test&prev=10	-

#### STEP 5

Finally, uncheck all operators since IPL does not support them.

Name:

Info:

Identifier:

Keywords:

Operators:  +  -  |

\*\*  0  ANDNOT  AND/NOT  OR

XOR  NEAR  AFTER

BEFORE  NEXT  OPT

That's it!

In other cases, you might also want to look at the source of the plugin and validate the values for 'Start', 'OffsetPerPage', and 'ResultsPerPage', or add 'LinksMatching' definitions etc. Site-specific search engines may also require 'TitleStart'/'TitleEnd', 'TextStart'/'TextEnd', 'DateStart'/'DateEnd', 'NoTopics', or 'CrawlDelay' definitions. [See also p. 71ff](#)

In addition, DEVONagent Pro may not always be able to insert the '\_agentOffset\_' and '\_agentNumber\_' placeholders automatically. You might have to do this on your own; otherwise, only the first results page is used.

#### FINETUNING

We now have a working plugin for IPL. While we might have received links, we didn't necessarily get good data. You can check both the pages and digest panes in the [search window](#) to fine tune your plugin. If DEVONagent Pro extracts too much data from the result list pages, you can use the following keys to tell the software what constitutes a result link and what doesn't.

- ▶ 1. TitleStart and TitleEnd: Extract the title of the article.
- ▶ 2. TextStart and TextEnd: Extract the article text.
- ▶ 3. DateStart and DateEnd: Extract the article's date.
- ▶ 4. NoTopics: Suppress common topics that always occur for any search on a site.
- ▶ 5. PostScan: Scan the results for the string you where searching for.

To determine values for these parameters, you will need to look at the source code of a couple of articles, and try to find strings that can be used for these keys. When looking at the topics in the digest

pane after you've done your searches, you can set the 'NoTopics' list. Any word that should not be included as a topic can be added to this list.

## CONGRATULATIONS

With the steps described in this tutorial, you should be able to go through the steps of writing a plugin yourself. With a bit of practice, it is possible to write

an optimized plugin that will deliver good results for DEVONagent Pro to work with. It might help to look at the additional plugins that already come with DEVONagent Pro before designing your own plugin.

And remember: If you think your plugin is great for others, [please share it with us!](#)

## XML KEYS

XML based plugins use Apple's ".plist" file format; therefore, it's possible to edit them using Property List Editor or any text editor like TextEdit, [SubEthaEdit](#) or Xcode/ProjectBuilder. DEVONagent Pro loads all plugins inside its application package or stored in the folder "~/Library/Application Support/DEVONagent Pro/Plugins". If DEVONagent Pro is not able to load a plugin, the file is logged to the console. You can also place aliases or symbolic links to plugins here.

## NECESSARY KEYS

- ▶ **Name:** [string or dict] The name of the plugin. Example: "BBC News".
- ▶ **Info:** [string or dict] Information containing name, version and copyright. Example: "BBC News Plugin 1.0 ©2003-2005 DEVONtechnologies".
- ▶ **Description:** [string or dict] Describes the functionality of the plugin. Example: "Queries the BBC news archive."
- ▶ **Version:** [string] The version number (format major.minor). Example: "1.0".
- ▶ **Identifier:** [string] Unique identifier (format domain.name.plugin). Example: "com.devon-technologies.bbcnews.plugin".
- ▶ **EngineUrl:** [string or array of strings] The Internet address(es) of the search engine. The strings "\_agentQuery\_", "\_agentNumber\_" and "\_agentOffset\_" are replaced by the search term, the number of results and the offset of the current page. "\_agentNumber\_" and "\_agentOffset\_" are optional. '\_agentLanguage\_' is replaced by the language used by the plugin (ISO 639 two-letter codes). Can contain the placeholders "\_agentUser\_" and "\_agent\_Password\_" for HTTP authentication. Example: "http://www.bbc.co.uk/cgi-bin/search/results.pl? tab=news&start=\_agentOffset\_&go=homepage&q=\_agentQuery\_".

Note: Name, Info and Description can be localized. Specify a dictionary containing key/string pairs for multiple languages. The key contains the name of the language, e.g., German or English.

## ADDITIONAL KEYS

- ▶ **CrawlDelay:** [float] Minimal delay between two requests sent to the same server.
- ▶ **DateEnd:** [string or array of strings] String marking the end of the range of the HTML source code containing the date of a page.
- ▶ **DateStart:** [string or array of strings] String marking the beginning of the range of the HTML source code containing the date of a page. Note that "DateEnd" is optional if "DateStart" is specified. Useful if server provides no dates or the wrong dates (for example a Usenet query using Google).
- ▶ **EncodingPage:** [string] Default character encoding for result pages (default: Latin-1). Examples: "ISO-8859-1", "UTF-8", "ISO-8859-2", "Shift-JIS".

- ▶ **EncodingUrl:** [string] Character encoding for search term "\_agentQuery\_" (default: Latin-1). Examples: "ISO-8859-1", "UTF-8", "ISO-8859-2", "Shift-JIS".
- ▶ **EngineNextUrl:** [string or array of strings] The Internet address(es) of the search engine(s) used for subsequent pages (if not identical to the address of the first page). The strings "\_agentQuery\_", "\_agentNumber\_" and "\_agentOffset\_" are replaced by the search term, the number of results and the offset of the current page. "\_agentNumber\_" is optional.
- ▶ **EngineRelated:** [string] Defines a URL for a 'see also' function of the search engine.
- ▶ **EngineSite:** [string or array of strings] Defines (a) (sub)domain(s) with or without a path to search. DEVONagent Pro uses an appropriate common search engine to perform the search. Example: 'devontechnologies.com/products/'.
- ▶ **ExcludeLinksNamed:** [array of strings] Defines an array of names of links which should be skipped.
- ▶ **FilterLanguage:** [Boolean] Enable or disable filtering by language.
- ▶ **FilterSimilarPages:** [Boolean] Enable or disable DEVONagent Pro's Similar Pages filter (default: true).
- ▶ **FollowLinks:** [Boolean] Enable or disable DEVONagent Pro's Follow Links option (default: true).
- ▶ **GoogleTags:** [Boolean] Defines whether 'googleon/' 'googleoff' tags should be supported.
- ▶ **HTTPShouldHandleCookies:** [Boolean] Defines whether cookies should be handled by HTTP or not.
- ▶ **Keyword:** [string or array] One or more unique keywords used for quick searching (like "Mozilla Keywords") by entering the keyword followed by the search term in the URL field of the browser window.
- ▶ **KeywordsUrl:** [string] Defines an alternate URL used for the Mozilla-like keywords in the browser's address bar.
- ▶ **LinksEnd:** [string or array of strings] String marking the end of the range of the HTML source code containing the links to use (any position after the last link to use but before the next link). Example: "-- Footer Area --".
- ▶ **LinksMatching:** [string or array] Only links of result pages matching this string or these strings are used (prefix/suffix \* wildcards are supported). Examples: "\*news.bbc.co.uk/\*".
- ▶ **LinksNotMatching:** [string or array] Only links of result pages not matching this string or these strings are used (prefix/suffix "\*" wildcards are supported).
- ▶ **LinksStart:** [string or array of strings] String marking the beginning of the range of the HTML source code containing the links to use (any position before the first link to use and after the last link to ignore). Note that "LinksEnd" is optional if "LinksStart" is specified. Example: "search results for".
- ▶ **LoginPost:** [string] Defines the optional HTTP POST parameters. Usage like ["Post"](#). Can contain the placeholders "\_agentUser\_" and "\_agent\_Password\_".
- ▶ **LoginURL:** [string] The address used to log into a website. Usage similar to ["EngineUrl"](#). Can contain the placeholders "\_agentUser\_" and "\_agent\_Password\_".
- ▶ **NextLinkStart:** [string] Defines the start of the range for the 'next results page' link.
- ▶ **NextLinkEnd:** [string] Defines the end of the range for the 'next results page' link.
- ▶ **NextLinkName:** [string] Defines the name of the link for the 'next results page' (instead of having to use NextLinkStart/End).
- ▶ **NoTopics:** [array or string] Array of strings or string containing separated words to ignore in the topics list. Add site specific words here.
- ▶ **OffsetPerPage:** [integer] Increase for "\_agentOffset\_" after every page (default: 1).
- ▶ **Operators:** [integer] Bitmap describing the possibilities of the search engine and the required syntax (see below). The default value is 59 (1+2+8+16+32), meaning that AND, OR, NOT, phrases and parenthesis are supported.
- ▶ **OperatorsDictionary:** [dict] A dictionary containing key-string pairs to convert the name of operators to a different name required by the search engine. Possible keys are "AND", "ANDNOT", "OR", "NOT", "XOR", "NEAR", "BEFORE", "AFTER", "-".
- ▶ **ParseLinks:** [Boolean] Parse and unify links of common search engines (Google, Yahoo, Alltheweb, Altavista & Ask Jeeves) (default: false).

- ▶ **Post:** [dict or string] Send a HTTP POST instead of a HTTP GET action using this form data. Note: The strings of the form data can contain "\_agentQuery\_" and "\_agentNumber\_" placeholders.
- ▶ **PostScan:** [Boolean] Tell DEVONagent Pro to check if the retrieved pages match the search term (true), or to accept all (false) pages (default: true).
- ▶ **ReformatPreformattedText:** [Boolean] Usually DEVONagent Pro reformats preformatted text("<pre>...</pre>") by removing unnecessary line feeds or white spaces to increase the accuracy of digests and summarizations. Turn this feature off if result pages contain emails or Usenet postings. (default: true).
- ▶ **ResultsPerPage:** [integer] Number of results per page and maximal value for "\_agentNumber\_" (default: 10).
- ▶ **RequiresCrawling:** [Boolean] Marks this plugin as needing crawling.
- ▶ **RequiresThumbnails:** [Boolean] Marks this plugin as using only thumbnail links. Crawling needs to be skipped.
- ▶ **RoundResultsPerPage:** [integer] Always round number of results per page ("\_agentNumber\_") to multiples of this value (default: 10).
- ▶ **SkipsCrawling:** [Boolean] Marks this plugin as skipping crawling.
- ▶ **Start:** [integer] The initial value for "\_agentOffset\_" (default: 0).
- ▶ **StripTags:** [array] Array of strings marking HTML tags defining blocks to strip.
- ▶ **TextEnd:** [string or array of strings] String marking the end of the range of the HTML source code containing the relevant text of a page. "TextStart" is optional if "TextEnd" is specified.
- ▶ **TextStart:** [string or array of strings] String marking the beginning of the range of the HTML source code containing the relevant text of a page. Note that "TextEnd" is optional if "TextStart" is specified. Useful if you're querying a specific site (all results have the same layout) to skip headers, footers or navigation of a page. This improves plain text display, digest and summarization.
- ▶ **TextTags:** [array] Array of strings marking HTML tags defining blocks to convert to text.
- ▶ **Timeout:** [integer] Sets the timeout for requests; default is 60 seconds.
- ▶ **TitleEnd:** [string or array of strings] String marking the end of the range of the HTML source code containing the title of a page.
- ▶ **TitleStart:** [string or array of strings] String marking the beginning of the range of the HTML source code containing the title of a page. Note that "TitleEnd" is optional if "TitleStart" is specified. Only useful if all results have identical or no titles (for example a Usenet query).
- ▶ **UseListingResults:** [Boolean] Treat the returned pages as results (and not as pages linking to the results). All "Links..." keys are unused in that case.

## NOTES

**Operator Bitmap:** The following table gives you the necessary values for calculating the operator bitmap for the "Operators" key (see above):

- ▶ 0 [value: 1]: Supports AND operator
- ▶ 1 [value: 2]: Supports OR operator
- ▶ 2 [value: 4]: Supports XOR operator
- ▶ 3 [value: 8]: Supports NOT operator
- ▶ 4 [value: 16]: Supports "" phrases
- ▶ 5 [value: 32]: Supports () parenthesis
- ▶ 6 [value: 64]: Supports NEAR operator
- ▶ 7 [value: 128]: Supports AFTER operator
- ▶ 8 [value: 256]: Supports BEFORE operator
- ▶ 9 [value: 512]: Supports NEXT operator
- ▶ 11 [value: 2048]: Use ANDNOT instead of NOT or '!'
- ▶ 12 [value: 4096]: Convert search term to lower case

- ▶ 13 [value: 8192]: Convert search term to upper case
- ▶ 14 [value: 16384]: Engine scans for any word by default (not for all words) without an explicit operator
- ▶ 15 [value: 32768]: Use AND/NOT instead of '+'/'-'
- ▶ 16 [value: 65536]: Use '|' instead of OR
- ▶ 17 [value: 131072]: Supports OPT operator

**LinksStart, et al.:** 'LinksStart', 'LinksEnd', 'LinksMatching', and 'LinksNotMatching' are three different ways to specify interesting links of a page. Specify none, some, or all of them depending on the search engine you are accessing. The more you specify, the higher the chances are that the plugin will still work after the structure of the HTML code or the links changed. First DEVONagent Pro retrieves links using 'LinksStart'/'LinksEnd', then it filters them using 'LinksNotMatching', and finally it matches them against 'LinksMatching'.

**Links vs. Results:** 'LinksStart'/'LinksEnd', 'LinksMatching', and 'LinksNotMatching' are used for pages listing the results, 'TextStart'/'TextEnd', 'TitleStart'/'TitleEnd', and 'DateStart'/'DateEnd' are used for the result pages.

**FollowLinks:** 'FollowLinks' applies to result pages only; the links of pages listing results are always used!

**No case:** All string values are case insensitive.

# TROUBLESHOOTING

## In this chapter:

DEVONagent Pro behaves irrationally	75
Problems interacting with DEVONthink	75

DEVONagent Pro was created with robustness in mind. But any computer hardware and software can write defective data or destroy files. If you have trouble with this application, please refer to the methods below, and also review the [FAQ](#).

## DEVONAGENT PRO BEHAVES IRRATIONALLY

No software on this planet is bug-free. If an application behaves irrationally, there is a good chance that you have just found a bug. But there may be another: The application package could have become damaged, e.g, during an update or through a bug in an unrelated piece of software on your computer.

### STRANGE APPLICATION BEHAVIOR

If something happens like the following

- ▶ menus disappearing or silently refusing to do anything,
- ▶ windows showing graphical artifacts,
- ▶ or applications not opening or opening with strange error messages,

please try to trash the application package. Then empty your web browser's cache, re-download the software in question, and re-install it. In many cases this cures the problem.

If this does not help, try deleting DEVONagent Pro's preferences files located in '~/Library/Preferences' and starting with 'com.devon-technologies.agent'. Access your Library folder by visiting the Go menu in the Finder with the  $\Command$  key held down.

### STRANGE BEHAVIOR OF TABS

With Zoom/2 installed, tabs in tabbed windows behave strangely, e.g., close by just hovering the cursor over the tab. Another effect of Zoom/2 are scrolling problems. Disabling Zoom/2 solves the problem.

## PROBLEMS INTERACTING WITH DEVONTHINK

DEVONagent Pro uses Mac OS X's Services internally to transfer data to [DEVONthink](#). If DEVONagent Pro beeps when you try to transfer data to DEVONthink, the most likely reason for this problem is that there's something wrong with the Services.

You can use the third party application [Service Scrubber](#) to try and modify this behavior; Service Scrubber should allow you to enable/disable services, rename them, or give them new keyboard shortcuts. Some of these modifications, however, can lead to communication problems between DEVONthink and DEVONagent Pro. Restore to the default settings to enable the DEVONagent Pro/DEVONthink link again.

# FAQ

## In this chapter:

General questions	76
Release schedules, Mac OS X, and Windows	76
Purchasing	77
Mac App Store	78
Your software license	79
Product-related questions	79

Do you have questions regarding our licensing policy, our products in the Mac App Store, or specific questions about DEVONagent Pro?

## GENERAL QUESTIONS

**Do you have any job opportunities?** Yes, we may. Please visit our [Work @ DEVONtechnologies page](#) for more information about current open jobs at DEVONtechnologies.

**Can I be a beta tester?** Maybe. Our beta tester selection process is very deliberate; we try and select our beta testers carefully so that we're not wasting anybody's time, yours and ours. We're looking for people who can provide us with feedback quickly and clearly, who use different hardware and software from our other testers, and who are willing to send us their personal data if it's needed for debugging.

If you want to be a beta tester, the best way to catch our eye is to be active in our user forums. We often ask active participants on the user forums if they can help us test particular features and new products. You can, of course, simply [contact us](#).

**Is the documentation available in my language?** The online and PDF documentation is only available in English at the moment. Localizing documentation and other text-intensive materials to Deutsch, Francais, etc. is cost-intensive and error-prone so that we have decided to concentrate our resources on developing stable, robust, and feature-rich software. We will have localizations of the online help etc. as soon as we feel we have the necessary resources.

**Where does the name DEVONtechnologies come from?** "Devonian (after Devon County, England), the geologic period from 410 to 360 million years ago. Also called the Reptile Age or Age of Fishes. First amphibians appeared on the land, that until then was only inhabited by trees and other plants — it was the departure into a new age." Named after the Devonian period, [the DEVONtechnology](#) marks the departure into a new age of data processing.

Note: [Ray Troll](#) has even created songs and other art about this extremely important evolution step.

## RELEASE SCHEDULES, MAC OS X, AND WINDOWS

**When is the next release coming** We try not to announce precise timelines or feature lists for future releases, as we are a small software company with limited development resources; if one of us should happen to get the sniffles, or if there are other outside factors we need to devote our limited time to, it can easily impact our intended development schedules.

In planning releases, we try to strike a balance among:

- ▶ responding to customer requests,

- ▶ the needs of our partners,
- ▶ supporting new operating systems features,
- ▶ providing consistent features across the product line,
- ▶ working efficiently within the structure of the code, (similar features often get handled at the same time),
- ▶ various business needs.

We cannot make any assumptions on how those various factors will impact our daily workflow; in fact, it's often impossible to predict the final release date accurately when we start new projects. We try to plan our releases with a long term perspective so that they ultimately serve the needs of our customers, even if they don't necessarily get in everyone's favorite feature request every time.

**Why are your applications not compatible with my pre-release version of Mac OS X?** In the past, we've noted that compatibility issues with a new major release of the operating system are usually resolved by Apple in the final stages before its release, and don't require any action on our part. If you are already using a pre-release version of Mac OS X, please check if our applications work with a newer pre-release, or wait until it reaches the release candidate status. We will then make all necessary adjustments for making our apps run on the first official release of the new version of Mac OS X.

**Any chance of a Windows versions of your products?** We're very committed to Mac OS X and the superior Cocoa environment. For most of our applications, porting them to Windows would take longer than it would to rewrite them from scratch on the Mac. If you need to use Windows software but still don't want to miss our products consider [running Windows on a Mac](#).

## PURCHASING

Note: If you purchased or plan to purchase DEVONagent Pro in the Mac App Store please [click here to learn more about the differences](#) between our shop and the Mac App Store.

**How do I purchase an upgrade?** Please use [DEVONagent Pro > Check Upgrade Options](#) to find out what you need to upgrade and how much the upgrade is for you. If this option is not available in your copy of DEVONagent Pro this application might not be upgradable. Please visit the [Upgrade Assistant](#) on our web site instead.

**What is your policy on software updates?** Usually, all minor updates ('dot updates', such as version 1.2 to 1.3) to our applications are free and require neither purchasing an upgrade nor requesting a fresh license code. We charge for major upgrades, though, such as version 1.x to 2.x. If you purchased your license in our online shop within a reasonable time frame before a paid upgrade release (between 30 days and 6 months, announced on our website), we will provide you with a free upgrade. If you purchased this application on the Mac App Store [click here](#).

**Can I get the bundle discount also later?** Bundles are cheaper than multiple single licenses because a bundle means less fees for the shop provider. But we grant the bundle discount under certain circumstances. Please [contact our sales staff](#) if you purchased one of the bundled products within the last two weeks.

**Do you give a discount to students and educators?** Yes, we give 25 percent off the regular price of DEVONthink, DEVONagent, DEVONnote and the Infoworker's Bundle to students and educators. We also give volume discounts to institution or faculties. Please visit our [Students, Educators and NPOs](#) page.

**Do you offer NPO licenses?** Yes, we offer free licenses to non-profit organizations (NPOs) in the sense of charities. [Learn more about our NPO program](#).

**Can I use your software on multiple computers?** Yes, our license explicitly allows one and the same person to use our application non-simultaneously on multiple Macs. So, for example, if you install one of our products on a laptop, your office Mac, and your home Mac, you may do so as long as you only use one of them at a time.

**I have no credit card. How can I purchase your software?** We are selling currently through the online sales agent [Share\\*It](#) to keep our administration as lean as possible. If you don't have a credit card, you can also pay via PayPal or by purchase order, wire transfer, or even cash. See our [online shop](#) for more details.

In addition we are also selling some of our products through the Mac App Store. Please open the App Store application on your Mac to learn more about which payment options Apple offers.

**Can I have more time for evaluating your apps?** No problem. We happily give out 30 day licenses for evaluation purposes. Choose *Help > Support Assistant* to request a 30 day trial extension. This option is not available e.g. in DEVONagent Express.

**Why haven't I received my license code(s)?** If you have purchased your license in our online shop and if there have been no technical problems on our side, your license codes have been sent out to you immediately after your purchase. Sometimes, however, they get stuck in spam protection filters (either yours or your ISP's). Please, check your spam protection filter, and if you cannot find the license codes there, use *Help > Support Assistant* to get them resent to you. If this also doesn't work, please [contact us](#) and we'll try to get your license codes to you as quickly as possible.

**Where can I buy a 1.x license code, e.g. for use on Mac OS X 10.4?** License codes for legacy versions are no longer available in our shop but even the latest license codes are always backward-compatible: You can use a version 2.x license code also for version 1.x of the same product. To use a legacy product simply purchase a license for the most recent version of the product in our online shop and use it with your [legacy software](#).

## MAC APP STORE

**How do apps purchased in the Mac App Store differ?** The Mac App Store requires so-called "sandboxing" of all apps. Sandboxing puts the apps into a closed environment and restricts access to e.g. files, networks, printers, etc. Therefore many apps sold through the Mac App Store have less features than their counterparts available outside of the Mac App Store.

**Do you charge for updates in the Mac App Store?** No, updates are generally free in the Mac App Store (and we don't charge for them outside of the Mac App Store, too).

**Why are updates available always later than in your shop?** All apps sold through the Mac App Store are reviewed by Apple before being released. Therefore new versions appear immediately on the DEVONtechnologies website but have to pass Apple's review before appearing also in the Mac App Store.

**Do I get a license code?** Apps purchased in the Mac App Store do not come with a license code but are "signed" directly before downloading for your iTunes account.

**Do you offer bundles in the Mac App Store?** No, bundles are not supported by the Mac App Store.

**How can I upgrade apps purchased in the Mac App Store?** By Apple's rigid rules you couldn't. Upgrades are simply not available on the Mac App Store and upgrade offers outside of the Mac App Store are not allowed. In some of our apps there may be an upgrade option still available, though. Check the [Read Me](#) to see if this is the case for you.

**Can I get a refund?** We freely refund licenses purchased in our own shop. For apps purchased in the Mac App Store we don't have access to the refund mechanism. Please contact Apple's Mac App Store support for a refund.

## YOUR SOFTWARE LICENSE

**Why does DEVONagent Pro not accept my license code?** When you enter your license code and the 'Register' button stays greyed out, try to enter ALL details, including your name and organisation, EXACTLY as they appear in our e-mail. Best practice is to copy-and-paste name, organisation (if entered) and license code from our email into the appropriate fields of the registration dialogue window. Also, please check if you have obtained the correct code for the correct edition of your software (e.g., a DEVONthink Pro license code will not work for DEVONthink Pro Office and vice versa) as well as version (DEVONthink 2.x will not accept a 1.x license code).

**I have lost my license code. How can I retrieve it?** Use *Help > Support Assistant* to open the Support Assistant which has an option to get your license code resent to you. Alternatively visit the [support area](#) on our web site.

**Does my license code work also for an older version?** Yes, it does. All our license codes are backward-compatible to legacy versions of the same product and edition.

**Why do I have to enter my license code again?** You only have to re-enter your license code after a complete reinstall of your system without a backup of your home folder or when the license code file has been deleted, e.g. by a preferences cleaner app. The license code is stored in a preference file in '~/Library/Preferences' (where ~ is your home folder). As long as this file is intact, you'll NEVER have to enter your license code again.

**Why does my DEVONagent Pro 1.x license not work anymore?** DEVONagent Pro with version numbers greater than 1.x are paid upgrades. To use them you may need a new license code. Please use [DEVONagent Pro > Check Upgrade Options](#) to find out what you need to upgrade and how much the upgrade is for you.

**Why does your application say that it expired?** When we release a public beta of one of our applications, we remove the usual trial restrictions but make it expire at the end of the beta period. A new public beta or the final release is, of course, available when this happens.

Please simply visit our [Download page](#), download a newer version than the one you have installed, and replace your copy with the newer one. Please first move the old application to the trash, then move the new one into its place.

▮ Note: Your license code will, of course, NEVER expire.

## PRODUCT-RELATED QUESTIONS

All frequently asked questions specific to DEVONagent Pro are located in the appendix. Please continue reading on the following pages:

- ▶ [FAQ specific to DEVONagent Pro](#)
- ▶ [Troubleshooting tips and tricks](#)

# TECHNOLOGY

## In this chapter:

General Concept	80
Features	80
Structure	80
Applications	81

All commercial DEVONtechnologies applications are based on a proprietary AI technology, with rock-solid database foundation that allow them to manage large numbers of documents or knowledge bits while analyzing them almost instantly at the same time.

## GENERAL CONCEPT

DEVONtechnology, on which all DEVONtechnologies' applications are built, is a new technology at the very beginning of its development. DEVONtechnologies constantly improves the technology and enhances it for more functionality, efficiency, robustness and flexibility.

Development of the DEVONtechnology is a battle on two main forefronts of information processing technology. DEVONtechnologies is working hard on unifying both the top-down and the bottom-up AI concepts by imitating high-level functions and simulating the basic functionality of natural systems. This leads to highly functional, fast and efficient AI systems that can be used in a great variety of information processing contexts, such as pattern recognition, signal processing and information storage and retrieval.

## FEATURES

The DEVONtechnology is a rock-solid foundation suitable for a variety of completely independent applications. Therefore it is ideal for the rapid development of a huge range of new database-

signal-processing- and language-analysis-driven applications. The ability to deal with any kind of digital data makes it extremely flexible.

The size of DEVONtechnology-based databases can, depending on the type of data stored, grow logarithmically and make indexing is completely unnecessary. Also, applications based on the DEVONtechnology improve themselves continuously (the more data they handle, the better the results), are language-independent and iron out any irregularities by applying fuzzy logic.

## STRUCTURE

The DEVONtechnology consists of a kernel and several layers. Together they perform all the underlying computing, from 'simple' data handling to complex signal processing.

**Kernel:** The kernel is the foundation for all layers and applications and is responsible for data handling, semantic and associative data processing, signal processing, fast statistic analyses and all fuzzy algorithms. It has to be as fast, flexible, and extensible as possible; it is 64-bit aware and uses a generic, proprietary file format (see above) allowing it to verify and repair low level data consistency, featuring logarithmic growth of the database and logarithmic speed decrease with increasing database size. The DEVONtechnology kernel is Unicode-aware, completely language-independent and self-optimizing and self-organizing.

**Layers:** The layers form a shell around the kernel and provide high-level functions for the applications built on top of them. The database layer, for example, is used to store and organize data and supports all kinds of relations (1:n, n:1, n:n), hierarchies and freeform databases. No indexing or primary keys are required, strings can be unlimited in size and it's possible at any time to extend the range of pre-defined data types (Boolean, character, float, double, signed, unsigned, string, date, time,

blob, color, size, and point). Another layer, the XML layer, makes it easy to handle XML code within the DEVONtechnology; it has a very small overhead, compared to DOM parsers or available XML databases, requires no indexing and supports the tight integration of other databases (and vice versa).

## APPLICATIONS

Some of the most likely applications for the DEVONtechnology are databases (knowledge bases, expert systems, search engines, table-of-content-generators, instant data-mining), intelligent agents, encryption, compression and archiving. Other uses for DEVONtechnology may be chat-bots, context-sensitive help, optical character

recognition (OCR), speech analysis, recognition and synthesis, statistics, thesauri and automatic translations.

In particular, applications dependant on processing human language, either written or spoken, benefit from the flexible technology foundation. So, DEVONtechnologies' main focus in the development of new applications is in these areas: databases, 'intelligent' agents, text and speech analysis, statistics.

Look forward to see a great range of different applications based on the DEVONtechnology. A few have already been announced on the DEVONtechnologies web site: [www.devontechnologies.com](http://www.devontechnologies.com).

# OTHER PRODUCTS

## In this chapter:

Overview	82
DEVONthink	82
DEVONagent	82
DEVONsphere	83
DEVONnote	83
Needful Things	83

Besides DEVONagent Pro, DEVONtechnologies publishes a number of other commercial, shareware, and freeware applications, and services that you may be interested in.

## OVERVIEW

DEVONtechnologies is focused on developing innovative applications for finding, storing, and organizing information. Our main objective is to make complex yet flexible technology that is both easy to use and lightning fast.

- ▶ [DEVONthink](#)
- ▶ [DEVONagent](#)
- ▶ [DEVONsphere](#)
- ▶ [DEVONnote](#)

All applications are based on the [DEVONtechnology](#), a powerful and solid core unique to DEVONtechnologies. DEVONthink, DEVONnote, DEVONsphere, and DEVONagent are only the first of many more DEVONtechnology-powered applications to come.

Also, we publish useful [freeware apps and services](#) that help you in your everyday work with your Mac.

## NEWSLETTER & USER FORUM

Would you like DEVONtechnologies to keep you informed about updates and new product releases? [Subscribe to the newsletter.](#)

And don't forget to have a look at our very lively [user forum](#), where users of all skill levels meet to discuss our applications, talk about our technology, and exchange tips and tricks for DEVONagent Pro & Co.

## DEVONTHINK

Organize and work with all your documents – bookmarks, email messages, text files, images, PDFs – in one place, regardless where they originated. Quickly capture data without interrupting your workflow. DEVONthink's unique AI assists you in getting the most out of your data collection.

- ▶ [Learn more about DEVONthink](#)
- ▶ [Learn more about DEVONthink To Go for iOS](#)
- ▶ [Check your upgrade options if you want to upgrade to a higher edition](#)
- ▶ [Check your upgrade options if own DEVONnote and want to upgrade to DEVONthink](#)

## DEVONAGENT

DEVONagent Pro helps you search more efficiently on the web. It searches multiple sources, frees you from hunting for the really relevant results, and gives you power tools for your research. DEVONagent Express and DEVONagent Lite (free) make searching the web as easy as using Spotlight. Search Google, Bing, YouTube, Facebook, Twitter, even the Mac App Store, right from the menu bar.

- ▶ [Learn more about DEVONagent Pro](#)
- ▶ [Learn more about DEVONagent Express](#)
- ▶ [Learn more about DEVONagent Lite](#)

## DEVONSPHERE

Make your Mac smarter: Let DEVONsphere Express keep track of related emails, articles on the same subject, and similar web pages. Discover the hidden connection between seemingly unrelated files.

- ▶ [Learn more about DEVONsphere Express](#)

## DEVONNOTE

Your thoughts and ideas are valuable. DEVONnote keeps them and provides you with unique tools and artificial intelligence so that you can focus on things that really matter: creating even more ideas.

- ▶ [Learn more about DEVONnote](#)

- ▶ [Check your upgrade options if you want to upgrade to DEVONthink](#)

## NEEDFUL THINGS

Search files on your hard disk, watch web cams, create thumbnails, or access all your files and apps from the menu bar. Reformat paragraphs in your favorite word processor, do little calculations anywhere you can type in text, or send text to your Bluetooth-enabled mobile phone. And all this for free.

- ▶ [Learn more about our freeware apps](#)
- ▶ [Learn more about our freeware services](#)

# APPENDIX

## In this chapter:

Glossary	84
FAQ (product-specific)	85
List of Search Sets	85
List of Plugins	86
List of Scanners	91
Log message codes	92

## GLOSSARY

Become familiar with these terms to get the most out of working with DEVONagent Pro.

### KEYBOARD SYMBOLS

- ▶ ⌘ The *Command* key, usually next to the *Space* bar.
- ▶ ⇧ The *Option* key.
- ▶ ⌘ The *Control* key (usually labeled with "ctrl").
- ▶ ⇧ The *Shift* key.
- ▶ → The *Tab* key.
- ▶ ↵ The *Return* key.

### INTERFACE ELEMENTS

- ▶ **Contextual Menu:** The menu that appears when you right-click, or click on something with the ⇧ *Control* key held, something; the contextual menu gives you access to frequently used commands that deal directly with the clicked object. [See also p. 40ff](#)
- ▶ **Plugin:** Modules that act as the connector between DEVONagent Pro and search engines. Each plugin is the interface for one or more search engines. In addition, plugins can extend DEVONagent Pro with other functionality, e.g., scanners. DEVONagent Pro knows two types of search engine plugins: Cocoa-based (compiled) plugins, and XML-based plugins that can be created using the [Plugin Assistant](#) or using a simple text editor. [See also p. 86ff](#)
- ▶ **Scanners:** Plugins that act as filters for formal criteria such as 'is a thumbnail gallery' or

'contains links to Word documents'. Scanners are used to refine a search. [See also p. 91ff](#)

- ▶ **Search Window:** A window in DEVONagent Pro that lets you select a search set, type in a query, start the search run, and view the search results. [See also p. 41ff](#)
- ▶ **Topics:** A list of words extracted by DEVONagent Pro from search results--generally the most important words in the found documents. Topics can be selected in the search window to focus the visualizer to this topic. [See also p. 42ff](#)
- ▶ **Visualizer:** A graphic representation of topics and their relationships. The graphic looks like a 'spider web,' with 'bubbles' representing each topic. [See also p. 42ff](#)

### OPERATORS, QUERIES, SEARCH SETS

- ▶ **Boolean operators:** Boolean operators are AND, OR, and NOT. They are used to define how words or parts of search terms relate to each other. Example: 'steve AND jobs'. [See also p. 21ff](#)
- ▶ **Query:** A 'question' sent to one or multiple search engines through a search engine plugin. The query (the question) is written in a formalized style using search words, Boolean operators, and parentheses. [See also p. 21ff](#)
- ▶ **Search engine:** A computer that keeps an index of documents or information and that can be searched by providing it with a query. Search engines are generally used through a web browser. DEVONagent Pro emulates this human-computer interaction through [plugins](#).
- ▶ **Search results:** A pool of documents or links to documents, e.g., webpages or PDF documents, returned by a search run.
- ▶ **Search run:** The process of sending a query to one or multiple search engines.
- ▶ **Search set:** A set of parameters that defines how DEVONagent Pro conducts a search run. Search sets contain which search engine plugins shall be used, which scanners shall be applied, and what

to do with the search results when the search run is completed. [See also p. 24ff](#)

- ▶ **Search term:** See above: Query. [See also p. 21ff](#)

## FAQ (PRODUCT-SPECIFIC)

### Is DEVONagent Pro an add-on to DEVONthink?

Although we sell DEVONagent Pro with DEVONthink in a bundle, it is a stand-alone application. Many of our customers use DEVONagent Pro for their research work, but don't necessarily archive the results in DEVONthink.

### Can I write my own plug-ins for DEVONagent Pro?

Sure. The complete documentation on how to make plug-ins for DEVONagent Pro is included in DEVONagent Pro's online documentation.

### Can I search my hard disk instead of the Internet?

Not with the current version of DEVONagent Pro, no. However, our freeware application [EasyFind](#) is able to preview found documents and highlight occurrences in file names. And, of course, there is still Spotlight.

**How can I search already archived pages** Open the archive (Tools & Open Archive) and use the search field there.

**What advantages does DEVONagent Pro have over Google & Co?** The most important advantages over web search engines like Google are:

- ▶ DEVONagent Pro comes with an innovative visualizer.
- ▶ DEVONagent Pro can query multiple search engines simultaneously.
- ▶ Scanners look for certain kinds of webpages, e.g., pages with webcams, thumbnail galleries, videos, etc.
- ▶ DEVONagent Pro removes duplicate URLs/webpages, advertisements, spam, and HTTP errors.

## LIST OF SEARCH SETS

Search sets are sets of parameters and options that control which search engines are used for a search run, which sites are crawled directly, what is filtered, and what is done with the returned results. DEVONagent Pro comes with a number of example search sets to get you started:

- ▶ **Apple (Feeds):** Crawls some RSS feeds (Downloads, PR and Hot News) provided by Apple.

- ▶ DEVONagent Pro also removes similar pages on demand.
- ▶ DEVONagent Pro scans the current contents of the pages; therefore, it doesn't return wrong results from outdated search engine indexes
- ▶ DEVONagent Pro supports more advanced operators like NEAR, BEFORE, and AFTER
- ▶ DEVONagent Pro can follow promising links automatically.
- ▶ DEVONagent Pro provides more useful and complete summaries in the Pages tab and complete digests based on selected/entered topics or the used query.
- ▶ You can easily find similar results ('See Also'), archive results or transfer them to DEVONthink.

**Why does DEVONagent Pro crash when displaying PDFs?** DEVONagent Pro can crash when trying to display PDF files on Macs with Adobe Acrobat installed. Acrobat's browser plugin is incompatible to the web browser engine of both Mac OS X and DEVONagent Pro. Remove the Acrobat plugin from "/Library/Internet Plug-Ins" and everything should work as advertised.

### Why does DEVONagent Pro crash when I open a browser window or an archived page?

DEVONagent Pro uses Apple's WebKit as its browser engine. When WebKit crashes it draws DEVONagent Pro with it into the abyss and there is little we can do about it. So most DEVONagent Pro crashes related to browsing are, in fact, WebKit crashes. Please send us your crash log (in ~/Library/Logs/CrashReporter/) if you want to know what happened.

### How do I completely uninstall DEVONagent Pro?

To completely remove DEVONagent Pro from your Mac, see the instructions in the [Read Me](#).

- ▶ **Blogs & Usenet:** Queries Blogs and Usenet plugins.
- ▶ **Macintosh News (Latest):** Crawls the most popular Macintosh news sites and feeds.
- ▶ **Macintosh News (More):** Searches (not just crawls) the popular Macintosh news sites and feeds.
- ▶ **Marketing:** Crawls more than 200 IT and Macintosh related news sites and feeds (the default query looks for news related to DEVONtechnologies).
- ▶ **New Software:** Crawls some software trackers and directories for new releases by DEVONtechnologies.
- ▶ **Web (Deep):** Queries Bing, Exalead, Google and Yahoo plugins (up to 100 results per plugin).
- ▶ **Web (Deeper):** Queries Bing, Exalead, Google and Yahoo plugins (up to 100 results per plugin) and follows links (one level).
- ▶ **Web (Deepest):** Queries Bing, Exalead, Google and Yahoo plugins (up to 100 results per plugin) and follows links (maximum level).
- ▶ **Web (Downloads):** Queries the Web plugin and scans the results for downloadable archives.
- ▶ **Web (Express):** Queries the Web plugin (up to 60 results) in express mode (no filtering).
- ▶ **Web (Fast):** Queries the Web plugin (up to 100 results), but does not follow links to return results as soon as possible.
- ▶ **Web (Movies):** Queries the Web plugin and scans the results for linked movies and videos.
- ▶ **Web (Thumbnail Galleries):** Queries the Web plugin and scans the results for thumbnail galleries.

Start with the *Web (Fast)* search set for your first search runs, then use the [Search Sets](#) window to make your own or adapt an existing one for your requirements. [See also p. 24ff](#)

To build your own search set consider buying [DEVONagent](#).

## LIST OF PLUGINS

Technically, plugins are collections of URLs and procedures that DEVONagent Pro uses to access search engines on the Web. They are either written in Cocoa or in human-readable XML (plain text with special syntax). In addition to simple HTML queries, DEVONagent Pro also supports and analyzes RSS, RDF, RSD, and Atom feeds.

In the list below, you will find the associated quick search keywords in brackets. You use quick search keywords to send a query to a plugin directly from the address bar of a [web browser window](#). *You can change the quick search keyword in the [Plugins & Scanners](#) panel.*

Note: Some sites need a valid log-in. If you want to query these sites with a plugin, you need to enable cookies and manually log in with your web browser in advance. When you use DEVONagent Pro, the websites then will recognize you as a returning user. You will find a note in the plugin description if a site requires a log-in.

## SEARCH

Note: DEVONagent Pro presents this category separately in its menu, above the other plugins to make them more easily accessible.

- ▶ **Bing:** Searches the web using [Bing, Microsoft's](#) web search engine. Bing is considered to be the only real competitor to Google.
- ▶ **Blekkio:** Searches selected websites on [Blekkio](#). Blekkio uses 'slashes' to select the websites to search.
- ▶ **Exalead:** Searches the web using [Exalead Search](#).
- ▶ **Google:** Searches the web using [Google](#). Google is famous for ranking websites by the number of other sites linking to it. Google is now widely recognized as the world's largest search engine.

- ▶ **Lucky Guess:** Scans URLs derived from the search term. This is very useful if you are looking for a company or product website.
- ▶ **Web:** Searches the web using [Bing](#), [Google](#), and [Yahoo](#). Depending on the system language, DEVONagent Pro also uses local search engines or local variants.
- ▶ **Yahoo:** Searches the web using [Yahoo](#), one of the three major search engines.
- ▶ **Yandex:** Searches the web using [Yandex](#).

## APPLE

- ▶ **App Store:** Searches Apple's App Store.
- ▶ **Developer Connection:** Searches the Apple Developer Connection database, the number one source for Mac OS X developers.
- ▶ **Knowledge Base:** Searches the [Apple Knowledge Base](#), the #1 resource for finding technical information about Mac computers, Mac OS and Apple software.
- ▶ **Macintosh News:** Scans major Macintosh news sites, namely [Macworld](#), [MacCentral](#), [Macintouch](#), and [MacNN](#). Use this plugin to stay up-to-date about everything Macintosh.
- ▶ **MacUpdate:** Searches for Mac OS X software using [Macupdate](#). MacUpdate watches for the latest Macintosh software updates and visits over more than 800 websites a day, looking for version changes to software titles not submitted by developers.

## BLOGS

- ▶ **Google Blogs:** Searches blogs using [Google Blogsearch](#).
- ▶ **Technorati:** Searches blogs using Technorati. Technorati indexes about 27.4 million blogs (as of February 2006), which are classified by a staff of human editors.

## BROWSERS

- ▶ **All Cached Pages:** Scans all pages cached by earlier search runs. Use this to include already scanned pages again in a new search.
- ▶ **Bookmarks:** Scans all websites bookmarked in DEVONagent, Safari, [OmniWeb](#), [Camino](#), [Chrome](#), or [Firefox](#) for the search query. You can use this plugin to create your private mini-web with bookmarks and search only this collection.
- ▶ **DEVONthink Pro Office:** Searches shared [DEVONthink Pro Office](#) databases through the local web server. DEVONthink Pro Office has to be opened and web sharing started by the same user.
- ▶ **History:** Scans the pages you have visited recently with Safari or DEVONagent Pro for the search query. This is useful for searching for something you remember you have seen recently, but you cannot remember where.

## COMPUTER SCIENCE

- ▶ **ACM Digital Library:** Searches the digital library of the [Association for Computing Machinery](#).
- ▶ **Apple Cocoa-Dev:** Searches Apple's cocoa-dev mailing list. This is very useful if you do Mac OS X software development.
- ▶ **Citeseer:** Searches the [CiteSeer library](#). Citeseer is a scientific literature digital library and search engine that focuses primarily on the literature in computer and information science.
- ▶ **Cocoabuilder:** Searches Apple & [OmniGroup](#) Cocoa mailing lists using Cocoabuilder. Very useful if you do Mac OS X software development.

- ▶ **Koders Code Search:** Searches for open source code examples and projects using Koders. Koders.com is a free search engine for open source code and new OSS (Open Source Software) projects. It indexes over 190 million lines of code and tens of thousands of projects.

## DICTIONARIES

- ▶ **Acronym Finder:** Searches [Acronym Finder](#), the world's largest and most accurate dictionary of acronyms, abbreviations and initialisms.
- ▶ **Dictionaries:** Looks for word definitions in online dictionaries, namely [Reference.com](#) and [Hyperdictionary](#).
- ▶ **Infoplease:** Searches [Infoplease](#), a reference source that combines the contents of an encyclopedia, a dictionary, an atlas, and several almanacs with statistics, facts and historical records.
- ▶ **Onelook:** Searches for word definitions or translations using [Onelook](#). Onelook is a search engine that provides access to web-based dictionaries that define or translate words.
- ▶ **Wiktionary:** Looks for word definitions in the online dictionary [Wiktionary](#). Wiktionary is a free multilingual dictionary and thesaurus that's being written collaboratively. Anybody can edit any article and a record of changes is kept. This plugin is localized and searches in the [selected language](#).

## DIRECTORIES

- ▶ **Open Directory:** Searches the Open Directory. The Open Directory (Dmoz.org) seeks to be the largest free web catalog.
- ▶ **WoW:** Searches the WoW catalog. WoW categorizes websites by country, state or region and uses a professional editorial team.
- ▶ **Yahoo Directory:** Searches the Yahoo directory. The Yahoo directory was the world's first professionally edited web directory. It is currently divided into 14 main categories.

## DISCUSSION LISTS

- ▶ **DEVONtech Forum:** Searches DEVONtechnologies' [online discussion forum](#). Find answers to your most pressing questions regarding DEVONagent Pro & Co.
- ▶ **Usenet Groups:** Looks for postings in Usenet groups using [Google](#). The Usenet is the oldest Internet-based community on the Internet, with archives dating back to 1981, long before the Web was widely used outside the academic community.
- ▶ **Yahoo Answers:** Looks for answers to user-posted questions on [Yahoo Answers](#).

## GOVERNMENT

- ▶ **FirstGov:** Searches for U.S. government information using FirstGov.gov. FirstGov.gov is the official U.S. gateway to all government information, with millions of webpages from federal and state governments, the District of Columbia and U.S. territories.
- ▶ **Google Government:** Searches public U.S. government materials using Google Government search.

## IMAGES & VIDEOS

- ▶ **Google Video:** Finds videos using [Google Video](#).
- ▶ **Images:** Finds images using Google.com and Yahoo (including Flickr). Whatever image you are looking for, if it's on the Internet, you should be able to find it.
- ▶ **Info (Images):** Searches for images using [Info.com](#). Info.com is a meta search engine that provides results from other search engines and pay-per-click directories.

- ▶ **Info (Videos):** Searches for videos using [Info.com](#). Info.com is a meta search engine that provides results from other search engines and pay-per-click directories.
- ▶ **Picsearch:** Searches for pictures using Picsearch. Picsearch is a search engine specialized in creating a searchable index of images.
- ▶ **Webshots:** Searches for pictures using Webshots. Webshots is the world's largest photo and wallpaper sharing site, with more than 23 million monthly visitors and over 218 million photos.
- ▶ **YouTube:** Searches for videos on the popular video clip service [YouTube](#).

## LEGAL

- ▶ **FindLaw:** Searches for legal materials using [FindLaw](#). FindLaw is the highest-trafficked legal website, providing a comprehensive set of legal resources on the Internet for legal professionals, businesses, students and individuals.
- ▶ **Google Scholar:** Searches for legal opinions and journals using [Google Scholar](#).
- ▶ **Lexis:** Searches for legal materials using [Lexis](#). LexisNexis provides customers with access to billions of searchable documents and records from more than 45,000 legal, news, and business sources.

## MEDICAL

- ▶ **Clinical Trials:** Searches for materials on [ClinicalTrials](#). ClinicalTrials provides regularly updated information about U.S. federally and privately supported clinical research on human volunteers.
- ▶ **FDA:** Searches for material on the website of the [U.S. Food and Drug Administration](#). The index is updated every night as many FDA documents are time sensitive.
- ▶ **Healthfinder:** Searches for health-related materials using [Healthfinder](#). Healthfinder is a gateway to selected consumer health and human services information resources provided by government agencies and other organizations.
- ▶ **MedlinePlus:** Searches for health-related materials using [MedlinePlus](#). MedlinePlus brings together authoritative information from the National Library of Medicine (NLM), the National Institutes of Health (NIH) and other government agencies and health-related organizations.
- ▶ **PubMed:** Searches the [PubMed bibliographic database](#). PubMed provides access to bibliographic information that includes MEDLINE and OLDMEDLINE, as well as out-of-scope citations, citations that precede the date that a journal was selected for MEDLINE indexing, and some additional life science journals that submit full text to PubMedCentral and receive a qualitative review by the NLM.
- ▶ **WebMD:** Searches for health-related materials using [WebMD](#). WebMD provides valuable health information, tools for managing your health and support to those who seek information.

## NEWS

- ▶ **BBC News:** Searches for news on [BBC News](#).
- ▶ **Google News:** Searches for news using [Google News](#). Google uses its own search engine to scan important news websites and automatically compile a news portal using the found data.
- ▶ **Info News:** Searches for news using [Info.com](#). Info.com is a meta search engine that provides results from other search engines and pay-per-click directories.
- ▶ **Reuters:** Searches for news on the [Reuters](#) news database. Reuters is a global information company providing information tailored for professionals in the financial services, media, and corporate markets.
- ▶ **RocketNews:** Searches for news using [Rocketinfo](#). Rocketinfo continuously searches and indexes over 16,000 Internet sites, 70,000 RSS and blog sources, as well as client-defined content channels, for current news and business information.
- ▶ **Topix:** Searches for news using [Topix](#). Topix provides a news portal that aggregates news from other sources.

- ▶ **WorldNews:** Searches for news on the [World News Network](#). World News Network ranks as one of the top sites for world news on the Internet. It includes more than 3,000 sites and covers 24 languages, categorized by geography and subject.
- ▶ **Yahoo:** Searches for news on [Yahoo News](#). Yahoo uses its own search engine to scan important news websites and automatically compile a news portal using the found data.

## PATENTS

- ▶ **Google Patent Search:** Covers the entire collection of patents made available by the USPTO, from patents issued in the 1790s through those issued in the middle of 2006. It doesn't include patent applications, international patents, or U.S. patents issued over the last few months.
- ▶ **US Patent Office:** Searches for patents on the [US Patent and Trademark Office homepage](#).
- ▶ **WIPO:** Searches for patents using [WIPO](#). The World Intellectual Property Organization (WIPO) is an international organization dedicated to promoting the use and protection of works of the human spirit.

## REFERENCES

- ▶ **British Library:** Searches the [British Library](#).
- ▶ **Google Scholar (Articles):** Searches for scholarly literature using [Google Scholar](#). Google Scholar indexes scholarly literature across many disciplines and sources.
- ▶ **Googlism:** Lists the 'knowledge' stored in the [Google](#) database about a given search word. [Googlism](#) will find out what Google thinks of you, your friends or anything else.
- ▶ **Gutenberg.de:** Searches for literature in the German-language [Project Gutenberg](#) database of free ebooks.
- ▶ **Gutenberg.org:** Searches for literature in the English-language [Project Gutenberg](#) database of free ebooks.
- ▶ **Highbeam:** Searches for articles on [Highbeam Research](#). HighBeam regards itself as the premier online research tool for business and academic use, with more than 80 million articles culled from the archives of over 6,500 newspapers, magazines, journals, and other publications.
- ▶ **Internet Public Library:** Searches for literature in the [The Internet Public Library](#). The Internet Public Library is a public service organization and a learning and teaching online environment at the University of Michigan School of Information.
- ▶ **JSTOR:** Searches for articles on [JSTOR](#). With more than a thousand academic journals and over 1 million images, letters, and other primary sources, JSTOR claims to be one of the world's most trusted sources for academic content.
- ▶ **Philosophy:** Searches for literature in the [Stanford Encyclopedia of Philosophy](#). The Stanford Encyclopedia of Philosophy is maintained and kept up-to-date by an expert or group of experts in the field.
- ▶ **Poetry:** Searches for English poetry using the [Electronic Poetry Center](#), founded by Loss Pequeño Glazier and Charles Bernstein.
- ▶ **SEC:** Searches the EDGAR database of the [SEC](#).
- ▶ **Wikipedia:** Searches for articles in the free online encyclopedia [Wikipedia](#). The content of Wikipedia is free and is written collaboratively by people from all around the world. Begun in 2001, Wikipedia has grown rapidly into the largest reference website on the Internet. This plugin is localized and searches in the [selected language](#).

## SCIENCE

- ▶ **American Chemical Society:** Searches for materials on the [American Chemical Society \(ACS\)](#) website. The American Chemical Society is a self-governed individual membership organization that consists of more than 158,000 members at all degree levels and in all fields of chemistry.

- ▶ **IngentaConnect:** Searches online journals using [IngentaConnect](#). IngentaConnect publishes scholarly and professional journals in all subject areas. It supports and produces more than 3,000 online journals.
- ▶ **ScienceGems:** Searches for materials using [ScienceGems](#). ScienceGems indexes more than 14,000 science resources sorted by category, subcategory and grade level.
- ▶ **Scinet:** Searches for materials using [Scinet](#). SciNet claims to be the Internet's premier science and technology search engine since 1999.
- ▶ **Scirus:** Searches for materials using [Scirus](#). Scirus is a science-specific search engine indexing over 200 million science-specific webpages.

## SOCIAL NETWORKING

- ▶ **Twitter:** Searches for tweets on [Twitter](#).
- ▶ **Facebook Profiles:** Searches [Facebook](#) profiles.

## LIST OF SCANNERS

Scanners do not query search engines, but rather filter webpages that do not match their criteria. For example, scanners can filter all pages that do not contain links to images or Office documents, pages that do not contain email addresses, or pages that have no embedded images. You can also use scanners to restrict search runs to RSS feeds, pages with linked documents, or to thumbnail galleries. Scanners filter out all pages that do not match.

Also, scanners are used by the [sidebar](#) of [web browser windows](#) to filter certain elements and display them lists, e.g. links, images, or news feeds.

By default, DEVONagent Pro comes with the following scanners that you can use in [search sets](#).

- ▶ **All Links:** Lists all links of a page, e.g., those found by a secondary query.
- ▶ **Code:** Looks for code snippets.
- ▶ **Email Addresses:** Looks for email addresses and recognizes even non-linked and scrambled addresses like "info at devon-technologies dot com".
- ▶ **Embedded Images:** Lists all images of the page, e.g., those found by a secondary query.
- ▶ **Linked Audio files:** Looks for linked audio files and audio streams.
- ▶ **Linked BibTeX & LaTeX Files:** Looks for linked BibTeX and LaTeX files.
- ▶ **Linked Binary Files:** Looks for linked downloadable compressed archives and disk images.
- ▶ **Linked Documents:** Looks for linked PDF, PostScript, OpenOffice, StarOffice, Microsoft Word, Microsoft PowerPoint or text documents.
- ▶ **Linked Scripts:** Looks for linked AppleScript scripts.
- ▶ **Linked Spreadsheets:** Looks for linked spreadsheet files (XMLSS, Microsoft Excel, CSV, TSV).
- ▶ **Linked Vcard files:** Looks for linked business card files (.vcf)
- ▶ **Linked Video Files:** Looks for linked video files and streams.
- ▶ **RSS, RDF, RSD & Atom Feeds:** Looks for linked RSS, RDF, RSD and Atom news feeds.
- ▶ **Thumbnail Galleries:** Looks for images in an image gallery, but lets pass all pages containing (usually smaller) images linked to (usually larger) image files, a.k.a. thumbnail galleries.
- ▶ **Tubes:** Looks for embedded multimedia objects like audio, video, movies, streams, or Flash animations.
- ▶ **Wallpapers:** Looks for desktop background pictures.
- ▶ **Webcams:** Looks for web cams.

## LOG MESSAGE CODES

DEVONagent Pro logs all pages filtered out in the log, together with a short code describing why the page was filtered. Use the log tab of [search windows](#) to find out which pages have been dropped and for what reason.

### HTTP ERROR CODES

These error codes are standard HTTP error codes delivered directly from web server that DEVONagent Pro asked for a file:

- ▶ 301: Moved permanently
- ▶ 302: Moved temporarily
- ▶ 401: Authorization required
- ▶ 403: Forbidden
- ▶ 404: Page not found
- ▶ 500: Internal server error

### DEVONAGENT PRO ERROR DESCRIPTIONS

These errors appear in the log when communication problems with the web server occurred, or, more likely, when DEVONagent Pro filtered the page out due to search strategy or [user-defined settings](#).

- ▶ **Advertisements:** Link or frame probably contains only advertisement or banners
- ▶ **Archived:** Identical page has already been archived (if "[Archived Pages](#)" filter is activated)
- ▶ **Failed:** Search engine could not be reached
- ▶ **Filtered by scanner:** Page did not pass the selected scanner
- ▶ **Identical:** Identical page with different URL already found
- ▶ **Incomplete:** Download could not be completed
- ▶ **Junk:** Page contains almost no useful information (if the [article filter](#) filter is activated)
- ▶ **Language:** Page does not match the language selected in the language filter
- ▶ **Links: x of y:** Pages delivered as a result by a search engine. Numbers indicate used links vs. returned links. If the number of used links is lower than the returned one, then either another search engine already returned the same link or the host is [blocked](#).
- ▶ **Lookup failure:** Domain of website not found
- ▶ **No content:** Page does not contain any text
- ▶ **No match:** Page does not match the query term
- ▶ **Only links:** Only links matching the query term found (if [Follow Links](#) is activated)
- ▶ **SPAM:** Page tried to fool search engines, but does not match the query term without those tricks
- ▶ **Similar:** Similar page (different layout but similar text) with different URL already found (if [Similar Pages](#) is activated)
- ▶ **Skipped:** Domain was skipped because it matches one or more entries in the [list of unwanted sites](#)
- ▶ **Too big:** Page is larger than the maximum size defined in the [preferences](#)
- ▶ **Unknown data:** No HTML or text content