

DEVONagent

VERSION 2.3.1
DOCUMENTATION

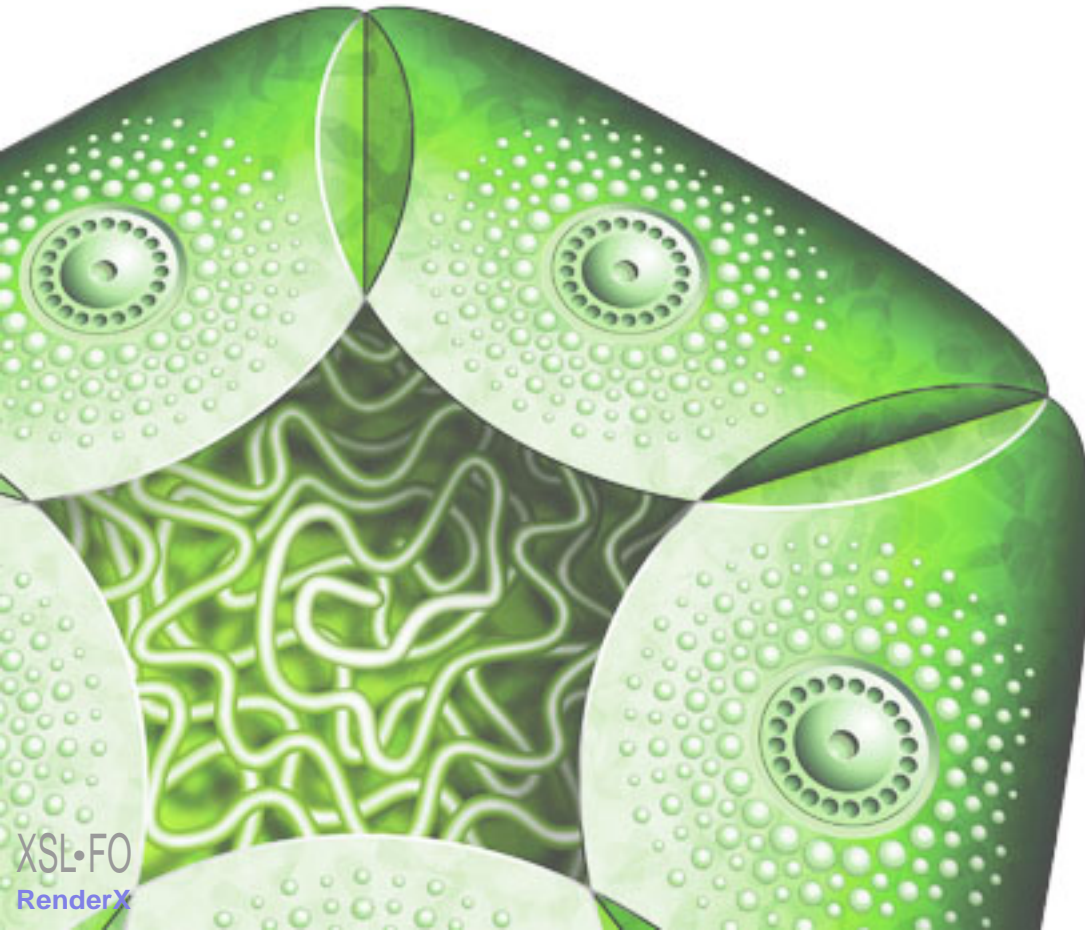


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READ ME

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DEVONagent overcomes all the shortcomings that make Google & Co. such a pain for serious research. More than 130 plug-ins for search engines, scientific databases and research tools, predefined search sets you can use right away and a clean, easy to use user interface make DEVONagent the number one tool for finding information on the Web for the Mac.

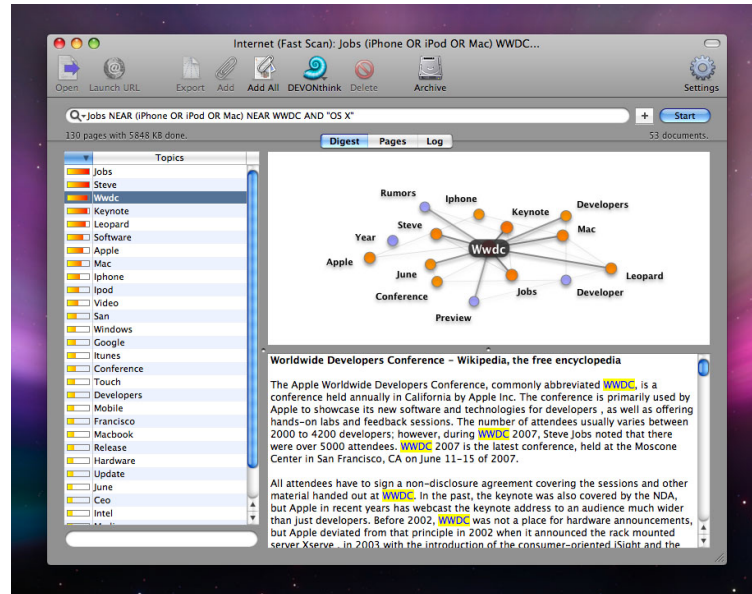
THE DEVONAGENT ADVANTAGE

WHY DEVONAGENT?

DEVONagent is much more than just an interface for web search engines. It helps you:

- find
- collect
- organize

information with a powerful and flexible search architecture, and it has simple to use built-in archive and tight integration with DEVONthink.



DEVONagent creates summaries, acts as a fast and lean web browser and shows all items of interest in a separate drawer. It couldn't be easier to look for information on the Web.

DEVONTHINK COMPANION

DEVONagent is the perfect extension to your DEVONthink database. Collect found information as plain or rich text, a web archive or as a PDF directly in your database with just one click and from any view, then use DEVONthink's intelligence to organize it conveniently.

WHAT YOU CAN USE IT FOR

There are many different ways to use DEVONagent and to integrate it into your workflow. Some examples are:

- Journalists use DEVONagent to collect hot news and use copy-and-paste to transfer the summary to Word or their editorial system. "See also" and the intelligent filters help them to eliminate junk information and duplicate or irrelevant pages on-the-fly.
- Analysts need to stay up-to-date with everything that happens in their industry. In DEVONagent they define their own search sets that return exactly what they're interested in, storing the key information in the integrated archive.
- Scientists and students directly access specialized databases, scan important web sites and pick relevant news via RSS. They

transfer the most interesting articles with just one click as web archive, plain text, RTF or PDF into DEVONthink.

- Lawyers use DEVONagent to stay up-to-date with new laws, precedence setting cases and interpretations, as well as their main clients. The scheduler does this automatically and lets them concentrate on their work.
- Home users do genealogic research, find desktop pictures, search for long-lost friends or simply use DEVONagent as a high-end interface to Google and MSN Search.

HIGHLIGHTS OF VERSION 2.0

DEVONagent 2.0 comes with a completely overhauled user interface, a huge number of new plugins, and many new, exciting features. Here's just a short list of what's new in DEVONagent 2.0 compared to version 1.7:

- Completely overhauled user interface
- Simplified installation, installs all add-ons automatically
- A.I.-based visualizer shows related keywords in a graphic map
- More than 130 search plugins for common to rarely used search engines, and 15 scanner plugins for post-filtering results, e.g. for linked images

- Hierarchical plugin structure
- Language filters
- Secondary queries
- Plugins can be used without creating a search set
- Tabbed web browsing
- Private browsing
- Support for the built-in spell checker and auto-completion
- Editable keywords for directly querying search engines (plugins)
- Improved Download Manager
- Blocking of JavaScripts that try to zoom the window to full screen
- Advertisement blocker
- Actions can be used for every search run, not only for scheduled ones
- Extended AppleScript support
- Automator support
- Dashboard widget
- Contextual menu plugin
- New documentation
- New application icon

WHAT'S NEW

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 Command-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

- *NEW:* On Mac OS X 10.5 Leopard, DEVONagent uses a blue gradient for lists in drawers.
- *NEW:* On Mac OS X 10.5 Leopard, DEVONagent uses the new find indicator for the Find panel and the Go > Next and Go > Previous Occurrence commands.
- *NEW:* Various other optimizations for Mac OS X 10.5 Leopard.
- *NEW:* Language indicator; one click translation of web pages to system language.
- *NEW:* Translation function also available via the Web and action menus.

- *NEW:* History menu uses submenus and is not longer limited to the first 100 items.
- *NEW:* Possibility to export selected archive groups (including subgroups).
- *NEW:* Contextual menu of PDFs displayed in Web views extended.
- *NEW:* Documents scanner recognizes OpenOffice and StarOffice documents and supports more Microsoft Word and PowerPoint document types.
- *Improved:* Language filter (reliability usually beyond 99.95 percent).
- *Improved:* Nucleotide and PubMed plugins support complex operators als so return fewer results.
- *Improved:* US Patent Office plugin supports phrase searching.
- *Improved:* MSN plugin reduces useless traffic.
- *Improved:* Wallpapers, Thumbnail Galleries and Linked Video scanners more reliable and faster.
- *Improved:* Sheets scanner recognizes more MS Excel document types.
- *Improved:* Documents scanner recognizes certain dynamic PDF links.

- *Improved:* Email scanner recognizes more encoded addresses.
- *Improved:* Feeds, Audio and Video scanners more reliable.
- *Improved:* Faster and enhanced inline advertisement filter.
- *Improved:* Filtering of automatically translated pages as well as of links to search engines, various special URL types, links to social bookmark services, and to certain document types.
- *Improved:* Real-time display of news feeds.
- *Improved:* 'Marketing' search set.
- *Improved:* Exported results show more information, use UTF-8 encoding, and are more compatible.
- *Improved:* AppleScript support.
- *Improved:* More accurate, more stable and much faster thumbnailing of web pages.
- *Improved:* Standardization of URLs and URL handling.
- *Improved:* Retrieval of thumbnails for scanner objects.
- *Improved:* Handling of 'nofollow' link attributes.
- *Improved:* Emptying the cache gives visual feedback.
- *Improved:* Overall performance due to optimizations for Mac OS X 10.4 Tiger and Mac OS X 10.5 Leopard.

- *Improved:* English and German end user license agreements (EULA).
- *Fixed:* Various fixes for Mac OS X 10.5 Leopard.
- *Fixed:* Yahoo plugin didn't work due to a bug of the URL standardization.
- *Fixed:* Bug in Automator actions and workflows and Spotlight comments.
- *Fixed:* Minor bugs and interface glitches.
- *Removed:* Button in Objects drawer to report bugs.
- *Removed:* Support for Mac OS X 10.3 Panther.

VERSION 2.2

- *NEW:* Workspaces available through the Go and Dock menu. These workspaces are identical to those managed via AppleScript.
- *NEW:* Contextual menu command 'Open Page In New Tab.'
- *NEW:* 'Documents' scanner recognizes .docx, .pptx and .xlsx file types.
- *NEW:* 'Computer Science > Apple Cocoa-Dev' plugin.

- *NEW:* The Go menu and the bookmarks drawer list available Bonjour services, e.g., the server of DEVONthink Pro Office.
- *NEW:* Finnish, Swedish and Polish added to language filter.
- *NEW:* DEVONagent simplifies entered query terms if possible.
- *NEW:* Number of items in Objects drawer is displayed at the bottom of the drawer.
- *NEW:* Command-Dot doesn't leave the full screen mode anymore, just stops the loading of the page.
- *NEW:* Bookmarks use generic icons or site-specific favicons if available.
- *NEW:* DEVONagent follows links of matching items of news feeds, too, and uses also 'title' attributes of anchor and image tags.
- *NEW:* DEVONagent uses 'robots.txt' files if available and supports all standard additions for this file if enabled.
- *Improved:* Much more reliable and improved 'Thumbnail Galleries', 'Wallpaper', 'Feeds', 'Audio (Linked)', 'Video (Linked)', 'Embedded Multimedia', 'Downloads (Linked)', 'Email Addresses' and 'Documents' scanners.
- *Improved:* Apple Developer Connection and Apple Knowledge Base plugins return more results and better summaries/digests.

- *Improved:* FDA, PubMed, Medical, DEVONtech Forum, Apple Developer Connection, and Apple Knowledge Base plugins.
- *Improved:* Dashboard widget has been redesigned.
- *Improved:* Advertisements filter.
- *Improved:* Heavily extended and revised English, German, French, Italian, Spanish, Portuguese, Hungarian, and Czech language filters.
- *Improved:* Extended and updated 'Marketing' search set.
- *Improved:* Sorting of items in Objects drawer.
- *Improved:* Filtering of links to social bookmark service and search engines.
- *Improved:* AppleScript support.
- *Improved:* Syntax coloring of HTML/XML pages.
- *Improved:* Higher performance of HTML/XML parser.
- *Improved:* Plain text and source views of browser windows are automatically updated.
- *Improved:* Retrieval of names and thumbnails for items in Objects drawer.
- *Improved:* Handling of wrong HTML charset definitions and incorrect URLs, more reliable handling of BASE tags.
- *Improved:* Fixing of invalid links.
- *Improved:* Handling of word/string separation.

- *Improved:* Referrer handling.
- *Improved:* Handling of (i)frames while following links
- *Improved:* Stability if used system fonts are damaged.
- *Improved:* Overall performance.

- *Fixed:* Bugs of Cocoa foundation framework bypassed to make intense searches, e.g. deep scans, more reliable.
- *Fixed:* Several minor issues of Find panel.
- *Fixed:* Minor bugs and glitches.
- *Fixed:* Incompatibility with Google Mail.
- *Fixed:* Memory management bug of tabbed browsing.

- *Removed:* Obsolete scripts from default Scripts menu installation.

VERSION 2.1

- *NEW:* Plugins Patents > Google Patents Search, Computer Science > Google Codesearch added.
- *NEW:* Bookmarks can be directly accessed from the Dock menu.
- *NEW:* Tooltips of tabs of browser windows display a thumbnail of the tab's Web page.

- *NEW*: New NEXT operator (shortcut for BEFORE/1) useful for using in parenthesis.
- *NEW*: Keywords of most Cocoa search plugins can be edited.
- *NEW*: Skipping through search results moves the selection of the search/archive window, too.
- *NEW*: Opening a search result in a browser window scrolls to the first found occurrence.
- *NEW*: Command-clicking on a link in the Digest opens it in a new tab.
- *NEW*: Escape or Command-Period keys can be used to cancel all operations showing a progress indicator, full screen mode can be left by pressing Command-Period.
- *NEW*: Support for international domain names.
- *NEW*: JavaScript links to print pages/frames now supported.
- *NEW*: Embedded Multimedia scanner supports Flash video.
- *NEW*: DEVONagent is registered with the Finder for PDF files.
- *NEW*: If searches are still running, DEVONagent asks before quitting.
- *Improved*: All plugins have been checked and, if necessary, updated.

- *Improved:* Several plugins combined to News > Yahoo and Search > Yahoo as they all use the same backend now.
- *Improved:* Most scanners have been updated for higher reliability and performance.
- *Improved:* Some of the default search sets have been updated.
- *Improved:* Object drawer up to 25 times and more reliable.
- *Improved:* 'See Also' results more reliable.
- *Improved:* Download Manager, supports supports local file: URLs, too.
- *Improved:* Better error sheet if loading of a Web page fails.
- *Improved:* Advertisement filter.
- *Improved:* Parsing of query terms.
- *Improved:* Cookies are again used while searching (e.g. necessary for custom plugins requiring a login.)
- *Improved:* Handling of links returned by search engines; URL handling and URL unification.
- *Improved:* HTML and feed parsers accept more 'garbage'; improved support for invalid HTML charset and XML encoding definitions; better handling of HTTP redirects.
- *Improved:* RSS, RSD, RDF and Atom parser revised.
- *Improved:* Support for modification dates returned by HTTP servers.

- *Improved:* Filtering of links pointing to other search engines.
- *Improved:* Handling of MIME types and file extensions.
- *Improved:* Compatibility to stylesheets.
- *Improved:* It's now possible to write plugins for eBay, Amazon, or dell.com.
- *Improved:* AppleScript support extended and up to three times faster; some scripts updated.
- *Improved:* Reorganized Help menu
- *Improved:* French and German localization
- *Improved:* Minor interface improvements.
- *Improved:* Reduced CPU usage and network traffic.
- *Improved:* Overall stability and performance.

- *Fixed:* Incompatibility of StopLight SIMBL plugin fixed.
- *Fixed:* 'Exported Webpages' Automator action fixes Unicode issue on Intel Macs.
- *Fixed:* Minor bugs and interface glitches.

- *Removed:* Search > Hotbot plugin, results identical to Ask.com.
- *Removed:* Several plugins that do not any longer work (Blogs > Blog Search Engine, Blogs > Blogstreet, Blogs > Daypop, Blogs > Waypath, News > Daypop, News > NewsTrove, Search

> German > Killerinfo, Search > KaZaZZ!, Search > Kanoodle, Search > Lycos, Search > Meta > Killerinfo, Search > UK > Killerinfo)

VERSION 2.0.3

- *NEW*: Special plugin groups highlighted in the Search Sets and Plugins & Scanners panels.
- *NEW*: Help button added to Plugins & Scanners panel.
- *Improved*: Advertisement filter more reliable and blocks also inline advertisements of RSS feeds.
- *Improved*: Alexa, Dogpile, Excite, Gigablast, IncyWincy, and MSN plugins updated.
- *Improved*: Most scanner plugins optimized.
- *Improved*: Marketing search set updated.
- *Improved*: List of topics words less cluttered.
- *Improved*: URL handling.
- *Improved*: Naming of saved web documents more flexible.
- *Improved*: Improved memory management.

- *Improved:* Overall stability and performance.
- *Fixed:* Bug keeping the Find panel from working after opening a search result in a new browser window.
- *Fixed:* Bug affecting printing pages with backgrounds.
- *Fixed:* Bug freezing the application when deleting items pages from the Archive while renaming another item.
- *Fixed:* Pressing Command-W closed the current browser tab even if an error sheet was visible.
- *Fixed:* Bug affecting "scanner objects" script property of browser windows.
- *Fixed:* Rare Bug affecting deep scans.
- *Fixed:* Minor bugs and interface glitches.
- *Removed:* Plugin "BlowSearch".

VERSION 2.0.2

- *NEW:* Support for "bookmarklets".
- *NEW:* Preference "Block advertisements" blocks common inline advertisements provided by major search engines.
- *NEW:* Preference to select the default tab of search windows.
- *NEW:* Business card scanner looking for linked .vcf files.

- *NEW:* Digest supports "Data > Add to DEVONthink > Rich Text".
- *NEW:* Sourcecode and text of Web archives can be displayed.
- *NEW:* Search set editor shows plugin descriptions.
- *NEW:* Drag-and-drop and copy/paste support for the Download Manager and the Sites tab of the search set editor.
- *Improved:* Overall performance.
- *Improved:* Support for robot instructions.
- *Improved:* Audio, Video, Linked Audio, Linked Video, Email, Multimedia, Downloads, Documents, Sheets, TeX, Webcams, Wallpapers, Thumbnail Galleries and Feeds scanners.
- *Improved:* Advertisement filter.
- *Improved:* Language filters.
- *Improved:* AppleScript support.
- *Improved:* Automator support.
- *Improved:* Objects drawer.
- *Improved:* Highlighting of occurrences of search results.
- *Improved:* Several commands added to contextual menus.
- *Improved:* "Koders" plugin updated.
- *Improved:* Marketing search set.

- *Improved:* Preferences panel reopens the last used pane automatically.
- *Improved:* If possible, DEVONagent stores the page title for URLs added to search sets.
- *Improved:* Modified search sets are immediately used.
- *Improved:* URL and URL forwarding handling.
- *Improved:* Caching of already scanned pages.
- *Improved:* Searches are limited to 100,000 pages to prevent flooding of the hard disk with too broad search settings.
- *Improved:* More stable display of feeds in Web views.
- *Improved:* Support for invalid encoding and charset definitions.
- *Improved:* Compatibility to invalid XML plugins.
- *Improved:* Compatibility of built-in Web browser.
- *Improved:* Handling of cache and downloads while searching.
- *Improved:* French localization.
- *Improved:* Memory management.
- *Fixed:* Unification of URLs.
- *Fixed:* A Finder crash/freeze cannot block DEVONagent any more.
- *Fixed:* Rare bugs related to NOT NEAR, NOT BEFORE, NOT AFTER, and the "~" substring operator.

- *Fixed:* Minor bugs in supplied AppleScript scripts.
- *Fixed:* Rare crash related to Universal Access.
- *Fixed:* Rare bug of HTML parser.
- *Fixed:* Rare bug of link handling of RSS feeds.
- *Fixed:* Minor bugs and interface glitches.

- *Removed:* "Tidbits" plugin.

VERSION 2.0.1

- *NEW:* Shortcuts for "Data > Add To DEVONthink > PDF (Paginated)" and "Data > Add To DEVONthink > Web Archive".
- *Improved:* Extended "Marketing" demo search set.
- *Improved:* Compatibility to appearance haxies.
- *Improved:* More reliable advertisement filter.
- *Improved:* Support for various text encodings of HTML pages.
- *Fixed:* After deleting the last search result, the "Digest" tab is reset.
- *Fixed:* Links in "Help" menu point to correct pages.

- *Fixed:* Rare glitch of positioning windows after switching between visible Objects and Bookmarks drawers.
- *Fixed:* Bug of Mac OS X 10.4.x for Intel bypassed.
- *Fixed:* Danish localization.
- *Fixed:* Minor bugs and glitches.

VERSION 2.0

- *NEW:* Universal binary for PowerPC and Intel processors
- *NEW:* Visualizer displaying topic words and their relations
- *NEW:* Tabbed browsing
- *NEW:* More than 80 additional search plugins
- *NEW:* Direct access to all plugins via the magnifier pop-up menu
- *NEW:* Language filter for German, English, French, Dutch, Hungary, Czech, Spanish, Italian, Danish, Norwegian, Cyrillic, Greek, Arabic, Hebrew and Non-Latin languages
- *NEW:* Dashboard widget
- *NEW:* Private browsing
- *NEW:* Contextual menu plugin, providing a "Search with DEVONagent" command in most applications
- *NEW:* Automator support, example workflows

- *NEW*: Several new scripts, e.g., for adding results to DEVONthink Professional or managing workspaces
- *NEW*: Several actions scripts, e.g., "Notify via Growl", "Send email via Mail" or "Convert results to RSS feed"
- *NEW*: "+" button in search windows, allows to easily create new search sets based on the settings of the current search run
- *NEW*: Commands for adding pages to the Sites list of a search set
- *NEW*: Easy blocking of unwanted domains
- *NEW*: Printing of PDFs is now possible (Mac OS X 10.4.x, only)
- *NEW*: Support for spellchecking and completion
- *NEW*: Support for services using web archives
- *NEW*: Preference to block of zooming browser windows by scripts
- *NEW*: Pages can be added to DEVONthink as HTML document or web archive
- *NEW*: Keywords of XML plugins can be edited in the Plugins & Scanner panel
- *NEW*: "Secondary Queries" allow to search using one term and compare the results to another term. Secondary queries are not limited by the search engines

- *NEW*: Follows HTTP-EQUIV refresh links
- *Improved*: User interface completely overhauled
- *Improved*: Updated and improved default search sets
- *Improved*: Topics list in Digest tab of search windows
- *Improved*: Redesigned, user-friendly search set editor
- *Improved*: Archive window overhauled
- *Improved*: Heavily extended AppleScript dictionary
- *Improved*: DEVONagent uses the system-wide proxy settings, Proxy preference pane superfluous and removed
- *Improved*: Download manager: Revised user interface, uses system-wide proxy settings, system-wide cookies, presents an authentication sheet if necessary, pauses/resumes downloads (resuming requires Mac OS X 10.4.x), automatically retries failed downloads, sets the Finder comments of downloaded files to the URL, and supports HTTP 307 and HTTP 301 error messages
- *Improved*: All existing plugins overhauled and enhanced
- *Improved*: Ranking of topics
- *Improved*: Advertisement filter
- *Improved*: RSS, RDS, RDF and Atom feed scanners more accurate

- *Improved:* Scripts updated
- *Improved:* Printing, more reliable, and more options
- *Improved:* Simplified installation of additional files such as scripts
- *Improved:* Plugins are grouped
- *Improved:* "Recent Searches" are listed in a sub-menu of the magnifier pop-up menu
- *Improved:* Enhanced and page-specific Objects drawer
- *Improved:* Bookmarks drawer supports Safari "Auto Click" groups
- *Improved:* Pages in the archive can be renamed
- *Improved:* More informative error sheets (Mac OS X 10.4.x, only)
- *Improved:* Conversion of HTML to plain text
- *Improved:* Summaries are based on paragraphs by default
- *Improved:* More informative Log pane
- *Improved:* Find panel can be used in full screen mode
- *Improved:* Full screen mode more compatible
- *Improved:* DEVONagent always remembers the position and size of the last used browser window
- *Improved:* Archived pages are always stored in the file system
- *Improved:* DEVONagent honors robot meta tags

- *Improved:* Invisible contents (in <noframes> and <noscript> tags) are ignored as they are often junk used to fool search engines
- *Improved:* Built-in filters faster and much more accurate
- *Improved:* Faster and more accurate retrieval of topics
- *Improved:* Faster and more accurate "See Also" for browser windows
- *Improved:* More reliable on-the-fly display of already cached feeds
- *Improved:* OPML import more compatible to some RSS readers
- *Improved:* Nicer formatting of mails sent by search sets
- *Improved:* User agent information more compatible
- *Improved:* Compatibility to OmniWeb 5 and Firefox
- *Improved:* Compatibility to Mac OS X 10.2.x removed to improve performance, and to simplify development
- *Improved:* HTML parser supports more wrong encoding definitions
- *Improved:* Faster and more accurate parsing of HTML code
- *Improved:* All browser windows share the same window size, similar to Safari (contrary to the default Mac OS X behavior)
- *Improved:* DEVONagent can be launched as a "hidden startup item"

- *Improved:* Minimized windows include the application icon
- *Improved:* Communication with DEVONthink and PhotoStickies
- *Improved:* Extended XML and Cocoa plugin interface
- *Improved:* New application and document icons, about/launch panels
- *Improved:* Completely rewritten online documentation
- *Improved:* Description of XML plugins updated
- *Improved:* Localizations updated
- *Improved:* Larger disk cache of WebKit (up to 64 MB)
- *Improved:* More compact archive database format
- *Improved:* Memory management
- *Improved:* Overall performance and reliability
- *Fixed:* Unification of URLs more reliable
- *Fixed:* Umlaut handling
- *Fixed:* DEVONagent uses the WebKit's disk cache again
- *Fixed:* Buggy display and handling of feeds containing entities
- *Fixed:* Several minor bugs and glitches

SYSTEM REQUIREMENTS

Every Apple Macintosh with at least 512 MB of RAM, Mac OS X 10.3.9 or later. In addition, a broadband Internet connection (256 Kbps or faster) is highly recommended.

INSTALLING, UPDATING, REMOVING

Just move the DEVONagent application package to the Applications folder or any other directory you have access to. Please note that Mac OS X Services only work with programs installed into one of the Applications folders and when you have logged off and in again after the installation.

To remove DEVONagent traceless from your Mac, trash the following files and folders (~ stands for your Home directory):

- DEVONagent
- ~/Library/Application Support/DEVONagent
- ~/Library/Contextual Menu Items/DEVONagent CM.plugin
- ~/Library/Preferences/com.devon-technologies.agent.*
- ... and everything you may have copied from the disk image to your hard drive

CREDITS

Halácsy Péter, Kornai András, Németh László, Rung András, Szakadát István, Trón Viktor Creating open language resources for Hungarian In Proceeding of the 4th international conference of Language Resources and Evaluation (LREC2004), 2004

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GETTING STARTED

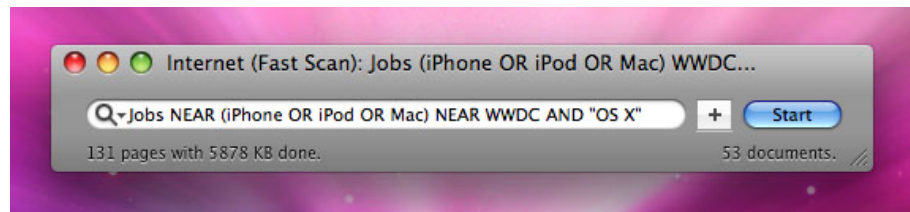
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This tutorial helps you get started with DEVONagent. It explains how to formulate a good query, collect the results, analyze them and archive them using the archive, step by step.

TUTORIAL

By Bill DeVille, Evangelist, DEVONtechnologies, LLC

Most computer users are familiar with [Google](#), which does a marvelous job of searching the Internet for Web pages that are relevant to user-entered search terms. In response to a search request, Google searches are typically very fast, taking no more than a second or two to present the first page list of potentially relevant items. Google displays clickable links to pages that contain the search term(s), with a line or so of information about the source and content for each search result. It's then up to the user to open pages to determine how useful the information is and, for useful pages, to make notes or capture information from those pages.



Compared to a simple Google search screen, DEVONagent's [search set editor](#) may seem complex. And it really is, because the user has more options for setting up searches and more choices available for designating various Web sites to examine and how "deeply" through those sites DEVONagent will go to pursue information.

Let's start, though, with a simple DEVONagent [search set](#), "Internet (Fast Scan)". We will use an example search that was discussed on the [DEVONtechnologies User Forum](#), and then build on that example to illustrate periodic updates of search results, and even how [scheduled updates](#) can [send the user e-mail messages](#) about the new content found each time a scheduled update runs. We will see that, unlike Google, MSN, and others, DEVONagent actually makes "notes" (summaries) for each search result, suggests topical relationships for the search results and downloads the found pages to the user's computer. We will show how search results can be saved to a user [archive](#) or sent over to a [DEVONthink or DEVONthink Professional](#) database for further management and analysis.

USER FORUM CASE

[User]: "I needed information about several sites in Buffalo, NY. I edited my plugin list in DA, but was never able to structure a search that would produce links to the Buffalo Zoo or Science Museum. In desperation, I turned to Google only, and got everything I needed quickly. Why would the Buffalo Zoo site show up on a Google search, but fail to make the short list of hits from a DA search employing Google, AltaVista, Ask Jeeves, Wikipedia and Yahoo?"

[Bill DeVille]: "As an example, I selected DA's "Internet (Fast Scan)" set and entered the following search term:

Example: Buffalo AND (NY OR "New York") AND (zoo OR "science museum")

In seconds, that yielded 73 hits, all of which but two or three might be useful. I quickly found material on teaching uses of the Zoo and Science Museum, read about a destructive riot by teenagers on a free admission day at the Zoo, budget problems, the origin of the Zoo, and much more.

COMMENTS ABOUT THE CASE

Formulating the query can make all the difference! DEVONagent has a very powerful set of Boolean operators to help the user define the search terms. Note the use of parentheses to separate portions of the query, the use of quotation marks to 'pull together' terms like 'science' and 'museum' into a single phrase, and the use of AND and OR operators. In English, the search asks for Web pages that mention Buffalo, New York (either the full state name or its postal abbreviation) and also either 'zoo' or 'science museum'.

An interesting fact: I ran the search in March, 2005, producing 73 search results. The same search was run in November, 2005 and produced only 49 search hits. The more recent search contained no mention of a riot at the Zoo some years ago. How can that be? The answer is simple: the Internet changes from time to time. An article that was available in March, and which mentioned the riot, has probably been archived. The "Internet (Fast Scan)" is a good starting point, but will not find everything that is to be found on the Web. Another item of note: reflecting the changed set of search results, DEVONagent no longer suggested the topic "Attractions" in the digest area, but used similar terms to lead one to places to visit in Buffalo.

REFINING QUERIES

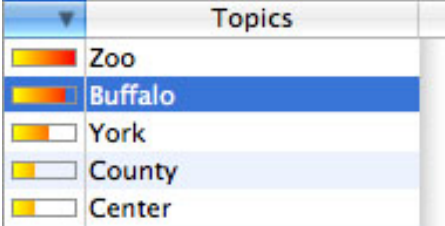
Contrary to Web-based search engines, DEVONagent can use much more sophisticated operators that go far beyond simply connecting words with AND and OR. Flexible operators like NEAR, BEFORE and AFTER as well as parenthesis can be used to create complex queries finding exactly what you are looking for.






Besides simply sending queries to one or more search engines, DEVONagent comes with a large number of filters for post-processing the search results. Pages can, for example, be filtered by language so that you only receive results in your desired language. So-called scanners filter pages by formal criteria, letting only pages with embedded e-mail addresses, linked thumbnail galleries or links to office documents pass. This can be a real time-saver when you are looking for pictures, MP3 files or videos.

In addition, DEVONagent filters similar pages, already archived pages and information junk including pages only created for fooling search engines ("index spam").

THE POWER OF DIGESTS

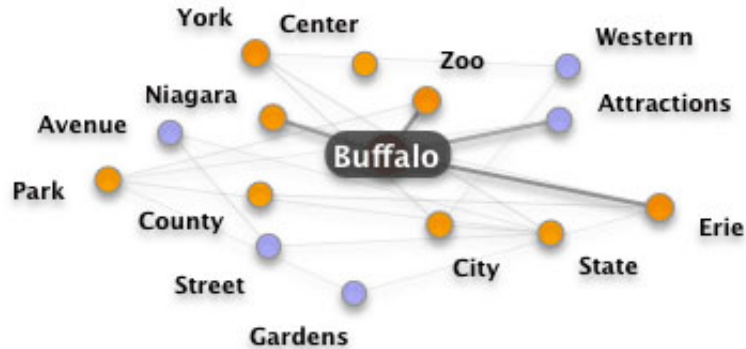
Obviously, DEVONagent takes longer to do a search than does Google. But DEVONagent is not only downloading the search results to your computer (which Google doesn't do), but intelligently prepares summaries of all relevant pages (note-taking!) and suggests topical groupings of the search results. Also, it sorts out junk pages, index spam and addresses that are no longer available (the famous "Error 404").



	Topics
	Zoo
	Buffalo
	York
	County
	Center

The "Digest" tab can be scanned in various ways. Clicking on the topic "Attractions" resulted in displays of a number of pages about the zoo and science museum. The topics map shows clicked topics and all related topics graphically and lets one focus the digest summaries in real time to clicked topics.

The graphical topics map displays colored bubbles for topics, with lines linking related topics. Red, yellow and black bubbles correspond to terms in the topics list. Blue bubbles are additional topic terms that are not in the topics list. Lines between the bubbles indicate topical connections.



Double-clicking on any bubble positions it at the center of the topical map, and presents a new view of relationships between terms in the search results.

Experiment with the graphical topic map in several of your searches. The utility of the graphical maps will, of course, be dependent on the content of the search results. For "interesting" search results, the graphical display can be very useful for analyzing and choosing useful information content.

Digests can be saved using "[File > Save As](#)" command. URLs for the digests are included. You can also select from the digest any text or URL that you may want to store in your [DEVONthink](#) database. Or you can click on a page item to open the Web page, and save it as a Web page into DEVONthink, or add selected text/images from the Web page to your DEVONthink database.

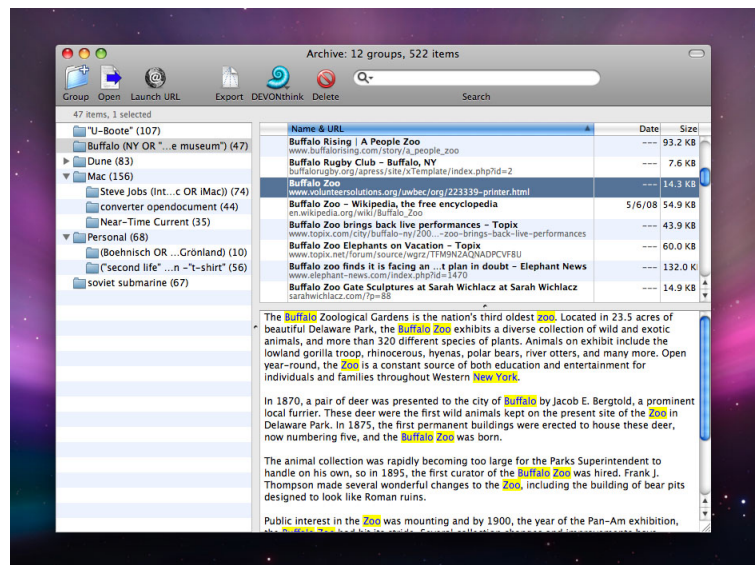
Under the "Pages" tab area, one can view the Web page listing for the search. Selecting one reveals a digest of the text contents. Double-clicking a selected page opens it in DEVONagent's browser.

The "Log" tab area is probably of less interest to most users. It contains a list of pages that were examined for which there were errors, or pages that were filtered out of the search results, e.g., advertisements.

DEVONagent also offers the possibility of much deeper searches that would yield many more hits, or much more specific searches that would center about a very specific topical interest. Want to learn more about that Memorial Day riot at the Zoo? DEVONagent could probably find enough information to start you on a book about the event and its context in Buffalo history, demographics, economy and so on -- and help you store your reference sources in your DEVONthink database.

THE POWER OF ARCHIVING

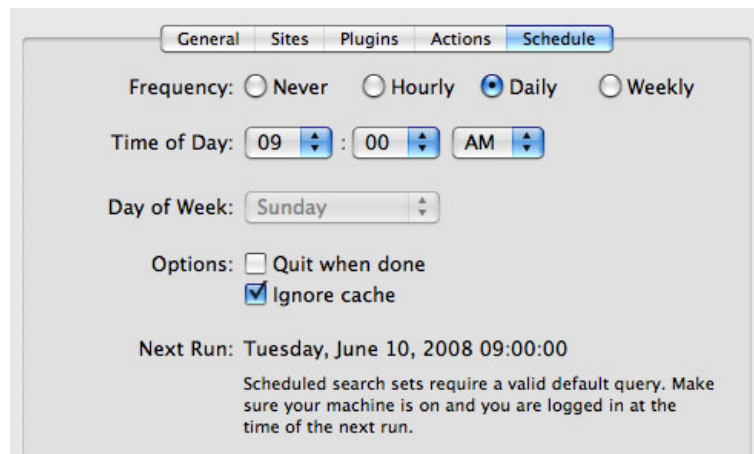
The March search results could have been saved in the user's archive, with a click of the "Add All to Archive" button in the toolbar of the search window. Had this been done, the article about the Memorial Day riot at the Zoo would still be available, as would be other articles missing from the more recent search.



Note also that the November search contained search results that were not in the March results set. Archiving allows you to build a collection of references, despite the ever-changing content of the Web.

THE POWER OF SCHEDULED SEARCHES

Suppose the user wishes to maintain a periodically updated collection of material about a topic, e.g., the Buffalo Zoo and Science Museum, and to be notified whenever new items appear on the Web. A convenient way to do this is to make a duplicate copy of the "Internet (Fast Scan)" search set, perhaps named "Buffalo Zoo" and with the previously used query as default.



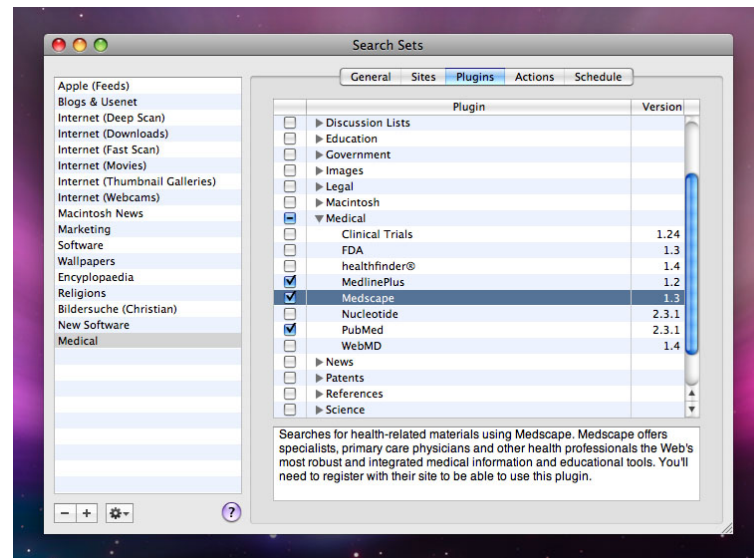
The screenshot shows the 'Schedule' tab of a configuration window. It includes tabs for 'General', 'Sites', 'Plugins', 'Actions', and 'Schedule'. The 'Frequency' section has radio buttons for 'Never', 'Hourly', 'Daily' (selected), and 'Weekly'. The 'Time of Day' section shows a time of 09:00 AM. The 'Day of Week' is set to 'Sunday'. Under 'Options', 'Ignore cache' is checked. The 'Next Run' is scheduled for 'Tuesday, June 10, 2008 09:00:00'. A note at the bottom states: 'Scheduled search sets require a valid default query. Make sure your machine is on and you are logged in at the time of the next run.'

Now the new search set can be configured (using "Tools > Edit Search Sets...") to automatically repeat the search on a weekly or monthly basis, automatically add new results to the appropriate archive group, and automatically send to the user an e-mail message listing all the new pages found. Scientists, medical doctors, journalists (and many other users) can use scheduled searches to keep up with recent literature on their topic of interest.

THE POWER OF SELECTED SEARCH SETS

"Internet (Fast Scan)" is often a convenient starting point. But DEVONagent provides many search sets with URLs and plugins intended to 'zero in' on various topics. Power users can develop their own plugin for special topics.

A medical researcher might choose to use the search set pictured below:



ABOUT DEEP SCANS

DEVONagent makes it possible for one to [follow links](#) several levels deep. Used judiciously, this can prove useful in ferreting out information. However, be prepared to allow DEVONagent hours to look through the Internet very deeply. Be prepared, as well, to allocate lots of hard disk space to the results for some searches.

Technically, a deep scan is only a search run with a "[follow links](#)" value greater than 2. One should always start with a normal search run, e.g., with a follow links depth of 0 or 1. Only if this doesn't deliver enough information or not the desired results, one could simply temporarily increase the depth in the [settings drawer](#).

Note: The search set "Internet (Deep Scan)" is only an example on how one could use a large follow links depth. Use this e.g. as an example for creating your own search set.

DEVONACADEMY

To learn even more about what you can do with DEVONagent and how to get started, please visit our free [DEVONacademy](#) with:

- Video tutorials
- Online tutorials
- Example databases
- AppleScript scripts
- and more ...

Watch the videos, read the online tutorial pages, and download the additional files we provide to squeeze the very last bit out of DEVONagent.

Also, don't miss our lively [online forum](#) where you can ask questions or discuss our applications with other users as well as with our support staff. Finally, our [FAQs](#) give answers to frequently asked questions.

QUERIES

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

Queries can range from very simple one-word search terms to complex multi-term queries. The rules for formulating queries are rather simple, and with a bit of study of the rules and the Boolean operators, together with practice, users can "tell" DEVONagent exactly what to look for in a search.

OPERATORS

CASE

All terms are case-insensitive. You may, if you wish, use capitalization for proper names in a query, but DEVONagent 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

Beside the classic Boolean operators, DEVONagent features a number of operators that can usually only be found on 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*: 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 are also used by the Finder and Tiger's Spotlight for searches. Enter the vertical ruler character for the OR operator by pressing Shift-7.

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

DEVONagent ignores parts of query terms inside square [...] brackets. This is useful for scanning to titles or authors inside some databases, e.g., PubMed or Nucleotide.

Example: name[Author]word[Title]

RESTRICTIONS

Queries are restricted to ten search words due to the limitations of most Internet search engines. Only secondary queries are not restricted.

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 now cover all three variants of common names used for the environmental agency. DEVONagent will look for pages containing any one of those names.

There's another potential ambiguity, 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, as this will place the space between the two terms at ten 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 won't wrongly interpret the query as requiring that both the environmental agency name and "fish" must be NEAR "mercury". Just that confusion would be created if we had written 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. One could replace the search strings in the first set of parentheses with, e.g., ("European Union" OR EU) to change the geographical focus.

IMPROVING YOUR QUERY

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

Note: Because almost none of the Web search engines support these operators, DEVONagent 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 also fine-tune the search results until you get only exactly 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's a page that mentions Steve Jobs first and then the Intel Macs. Finally, the quotes around "San Francisco" find only pages dealing with the city of San Francisco, not the city San José and some Brother Francisco mentioned somewhere else on the page.

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

Example: document AND management AND mac

This query run with the "Internet (Fast Scan)" plugin delivered 76 results. But, many are not what we are looking for. Among many good pages, it also finds 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. But, we can refine this query with the special DEVONagent operators:

Example: document NEAR/2 management NEAR mac

This time, DEVONagent returns only 31 results, all of them dealing exactly with our search subject, document management for the Macintosh, because the three words have to be mentioned near to 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's tools for clarifying your query are really quite simple and can help you obtain a high percentage of useful results rather than a confusing "mess" of irrelevant results.

SEARCH SETS

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The quality of a query relies not only on the entered search term, but it also relies heavily on the selected settings. Search sets are collections of all the parameters (settings) related to a search run. You 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 are basically 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 done
- 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:

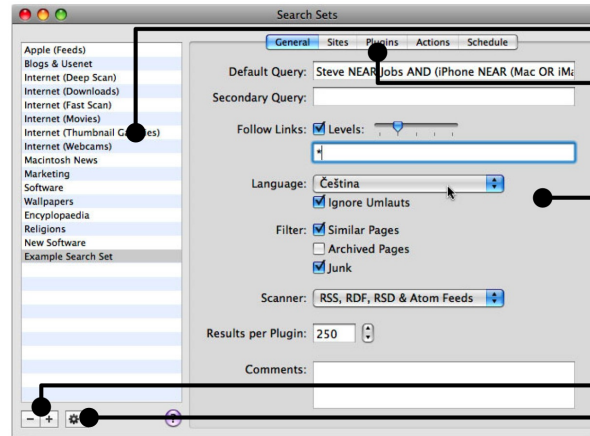
- Querying the US Patent Office and WIPO databases, along with scanning some important Web sites related to patents
- Looking for articles related to DEVONtechnologies on Google, as well as some Mac news sites, scheduled every three hours and sending an e-mail summary to your e-mail address
- Searching 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

CREATING AND MANAGING SETS

Search sets can be edited, rearranged, exported, imported or deleted. DEVONagent comes with a couple of useful pre-defined sets, which you can tweak to your needs. Or, you can add new ones for your individual needs. Use the menu command "Tools > Edit Search Sets..." to open the search set editor.

Note: Some of the settings can also be adjusted on-the-fly in the settings drawer. Open it by clicking the "Settings" toothwheel icon in the toolbar on by selecting the "Tools > Show Settings..." menu command. These settings are temporary and do not modify the selected search set.



Select a search set to modify

Define the search options on five tabs

Adjust the settings to your search requirements

Add, delete search sets

Duplicate, import and export sets via the action menu

You can be lazy, but don't be silly. Use search sets!

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 like other Mac OS X applications, e.g., [iTunes](#) or [iPhoto](#). Rearrange your search sets using drag-and-drop and click the name of any set once 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 to fit your needs. Switch between the five parameters areas, "General", "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 toothwheel button below the search set list, gives you access to additional, set-oriented commands.

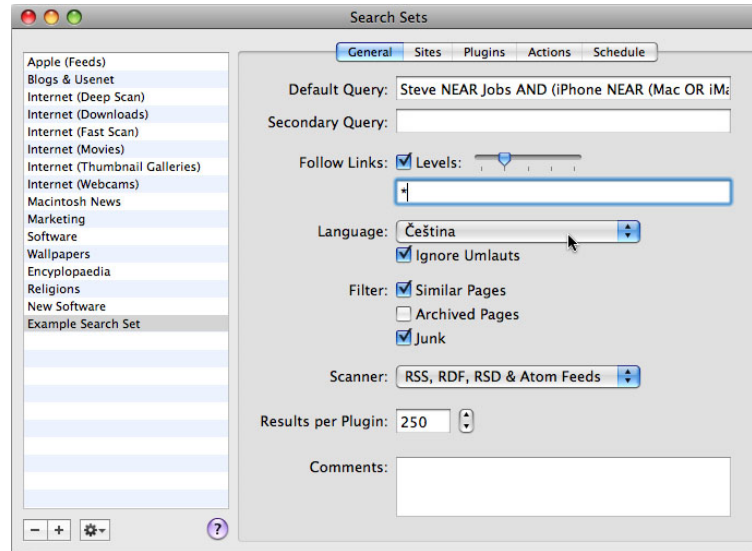
- *New*: Creates a new, empty search set.
- *Duplicate*: Duplicates the selected search set.
- *Delete*: Deletes the selected search set. Attention: There is no undo!
- *Import > ...*: Creates new search sets based on imported files. You can import previously exported sets, as well as OPML files,

Camino, Firefox, OmniWeb or Safari bookmarks or the Safari history file. For OPML, bookmarks and history files, DEVONagent 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 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/or which scanner to use.



QUERIES

Default Query: Define a default query for this search set. DEVONagent 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")

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

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

Example: Use the asterisk "*" as your default query to match everything, for example, when scanning a list of Web sites or RSS feeds; of course, this 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 secondary query.

FOLLOW LINKS

These options tell DEVONagent to follow promising links on HTML pages and in news feeds.

Example: "Devonian Period -County" follows links containing "Devonian" or "Period" but not containing "County".

Use the slider to define how many levels deep you want DEVONagent 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 follows. Use this option to fine-tune your settings, if you find that DEVONagent follows meaningless links due to the construction of the result pages. Generally, you should leave this field blank and let DEVONagent follow all links matching the entered or default query.

Example: Enter "*" to let DEVONagent follow all links, regardless if their text description matches the query or not.

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,...) This filter does not simply look for language tags in the pages, but actually analyzes the page itself.

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

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

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 all duplicates.
- *Archived Pages*: Filters out all pages that are already stored in the [archive](#).
- *Junk*: Filters out "junk" pages containing no relevant text information.

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

Example: Use this powerful feature to filter, for example, all pages except those containing a thumbnail gallery, linking to Office documents or containing e-mail addresses.

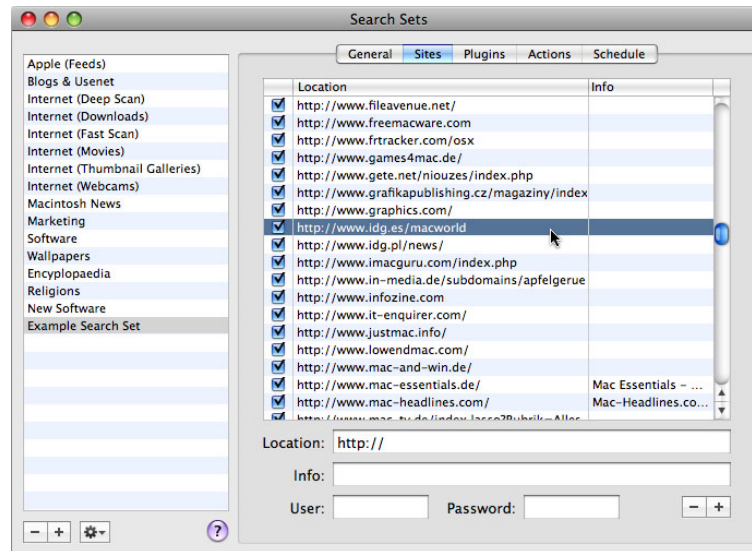
Results per Plugin: This value defines the number of results delivered by every [plugin](#). It limits the result pool to the most relevant n results. Adjust this to whatever suits your requirements, the default value is 100.

COMMENTS

Enter a brief description for a search set here. This description is shown in the tool tips of the magnifier pop-up menu in a search window.

SITES TAB

The "Sites" tab allows you to define a list of Web pages that DEVONagent scans when you use this search set. DEVONagent downloads each of these pages and tests whether it matches your query or not, like your 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 if possible. You can copy URLs in this list to the clipboard or drag them to other applications, too.

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

Note: DEVONagent understands not only Web pages but also RSS, RDF, RSD and Atom feeds.

TAKING OVER URLS

To take over bookmarks from other applications and create new search sets from them, you can 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 Professional](#).

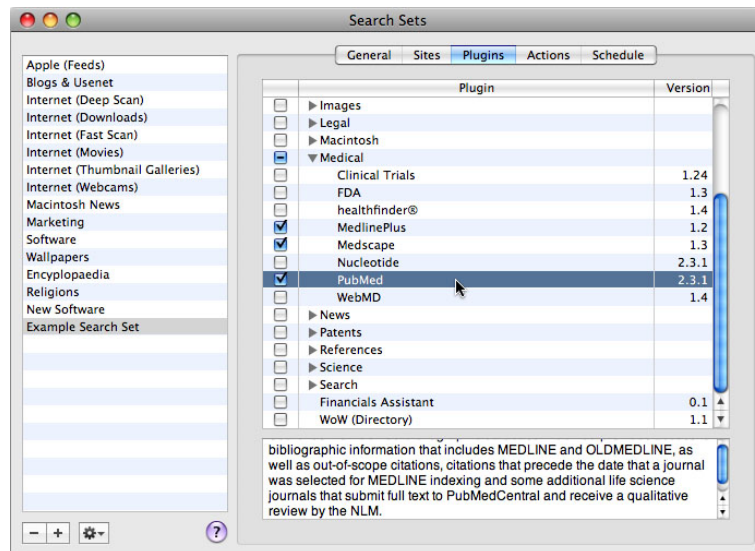
CONTEXTUAL MENU

The contextual menu on the "Sites" tab allows you to work with Web site addresses selected in the sites list.

- *Open...:* Opens the Web site in a new [Web browser window](#).
- *Launch URL:* Opens the Web site in your default Web browser.
- *Enable/Disable:* Checks or unchecks an item. Unchecked (disabled) Web sites are not scanned when using this search set.
- *Copy:* Copy the URL of the selected Web site 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 uses when you use this search set in the search window.



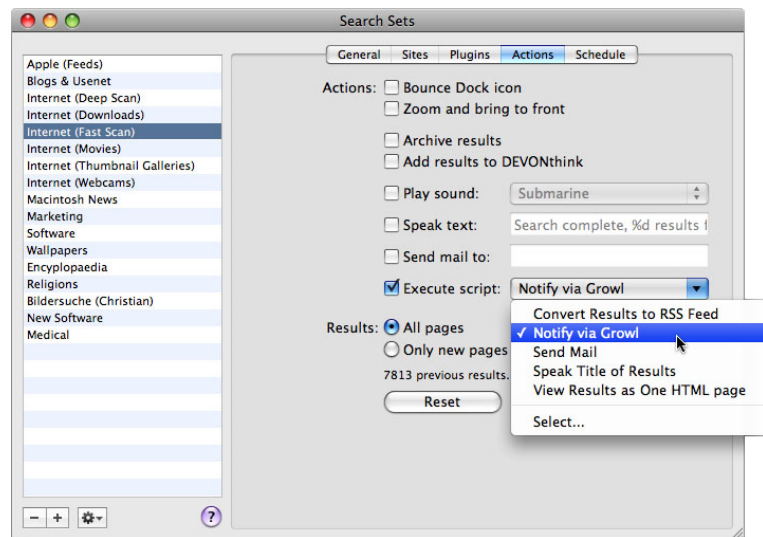
The plugins are grouped. Expand or collapse groups by clicking the grey triangle in front of the group name, like in the Finder. Check all plugins that you want DEVONagent to use for this search set, uncheck all others. Check or uncheck a group to check or uncheck all plugins contained in it. Select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

To find out which search engines a plugin uses to get results, use "Windows > Plugins & Scanners" or see the appendix.

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

ACTIONS TAB

The "Actions" tab enables you to attach additional actions to a search set that DEVONagent executes after finishing a search run with this search set.



ACTIONS

The following actions are available:

- *Bounce Dock icon:* Bounces DEVONagent's Dock icon once when the search run is complete.
- *Zoom and bring to front:* Zooms the search window and makes it the frontmost window.
- *Archive results:* Adds all found pages to the [internal archive](#).
- *Add results to DEVONthink:* Adds all found pages to the currently open [DEVONthink \(Pro\)](#) database.
- *Play sound:* Plays a sound. Select the sound to be played from the pop-up menu; all system-wide available alarm sounds are available.
- *Speak text:* Speaks entered text. Use the escape sequence "%d" in the text to announce the number of found items.
- *Send mail to:* Sends a summary of the found information to an entered e-mail address. Especially useful when you use it 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 automatically post it to a Web site. If you

use [Growl](#), you can also use the supplied "Notify via Growl" script to let DEVONagent pop up a notification.

Note: The e-mail function requires that you have at least one e-mail account set up in Apple Mail. It does not need Mail for sending e-mails, though.

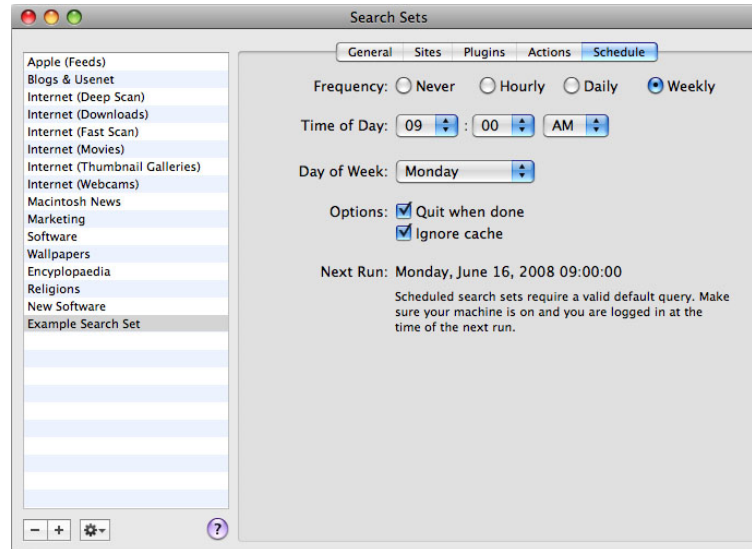
RESULTS

Choose here if you want the actions to act only on new pages, or on all found pages.

DEVONagent keeps a record of found results and uses this to pick what's new. It also lists the number of results stored in the log. To clear the log, click the "Reset" button.

SCHEDULE TAB

The "Schedule" tab is what makes DEVONagent a real information agent. It lets you schedule automatic query runs every hour, day or week and return the results by e-mail, archive them internally or add them to your DEVONthink (Pro) database.



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

FREQUENCY

Define if you want DEVONagent to run this search set hourly, daily or weekly, or select "Never" to switch the scheduler off. Use "Time of Day" and "Day of Week" to define when exactly DEVONagent runs the search sets. Depending on whether you want to run the set hourly, daily or weekly, the corresponding parameters are enabled or disabled.

OPTIONS

If you want to run this set in the background, you can tell DEVONagent to quit when the search run is done. Also, you can define if you want it to ignore the cache and always load all pages from the Internet, or if it should look them up in the cache first to reduce network traffic.

The bottom of the windows show when DEVONagent will run this set the next time along with the selected schedule and some hints.

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A complete listing of all commands DEVONagent offers in the menu bar, the global Mac OS X "Services" menu and the handy Dock menu.

THE DEVONAGENT MENU

The "DEVONagent" menu is similar to the application menu in any other 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.

SERVICES

The "Services" sub-menu gives your 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 publishes its own services on the "Services" menu.

Note: You can use the freeware extension HotService to move the service menu up to the top level of the menu bar to the right of the "Window" menu.

PRIVATE BROWSING, EMPTY CACHE

Private Browsing: Select this command to check or uncheck the private browsing mode. If this menu item is checked, DEVONagent clears all caches and history files after quitting, so that other persons using this

user account on this computer later cannot discover what you have been searching. Also, this options prevents DEVONagent from storing previous search terms in the "Recent Searches" sub-menu of the magnifier 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 some pages or elements are not up-to-date. Emptying the cache effectively forces DEVONagent to download all files in their most recent version from the Internet.

THE FILE MENU

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

NEW SEARCH, NEW BROWSER

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 its name and purpose.

New Browser...: Opens a new Web browser window. Use this function to use DEVONagent as a standard Web browser but optimized for research. The Web browser is based on the WebKit engine that is also used by Safari.

New Tab...: Creates a new tab in the frontmost Web browser window. If the frontmost window is not a Web browser window but a search window, this command opens a new Web browser window instead.

OPEN FILE, OPEN LOCATION

Open File...: Opens a local file for viewing in a new Web browser window. You can open all files for viewing that the integrated Web browser can display, HTML files, Web locations, images, movies, and PDFs. Alternative: Drag the file onto DEVONagent's icon in the Dock.

Open Location...: Brings the address field of the frontmost Web browser window into focus. If no Web browser window is open, DEVONagent opens a new one, equally to "File > New Browser..."

SAVE AS, EXPORT

Save As...: Saves the content of the frontmost Web browser window in its original format. Web pages are saved as pure HTML code or Web archives (see below), images, movies, and PDFs in their respective formats. You can also save a digest as a text file.

Export...: Exports selected items, search results or a displayed Web page, in other file formats, e.g., pure text, RTF(D), PDF or Web archive. Use this command to save your research for other applications, such as OpenOffice or Apple iWork. File formats (not all of them are available for all items) are:

- *Text:* Saves the item(s) as pure text, e.g., for TextEdit.
- *RTFD:* Saves the item(s) as rich text including formatting.
- *HTML:* Saves the item(s) as HTML code.
- *PDF (one page):* Saves the item(s) as PDF without page breaks. A long Web page will be saved as one, very long page. Ideal for archiving.
- *PDF (paginated):* Saves the item(s) as PDF with page breaks. Use this for archiving Web pages that you may want to print later.
- *Web Archive:* Saves a Web page as Web archive. Web archives are self-contained files that include one Web page that includes all additional files necessary for displaying, e.g., embedded images or movies.

IMPORT, EXPORT SETS

Import: This sub-menu combines various commands for importing saved search sets, bookmarks and history files. Create new search sets from bookmarks or adding them to existing search sets. These commands are only available from within the [search sets editor](#).

- *Sets*: Imports saved [search sets](#) and adds them to the list of available search sets. You can also import saved search sets by double-clicking them in the Finder or by dragging them to DEVONagent'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 e.g., RSS feeds exported as OPML from a news reader.
- ... *Bookmarks*: Imports Camino, Firefox, OmniWeb, or Safari bookmarks and creates a new [search set](#) with all imported URLs in the Sites tab.
- *Safari History*: Imports the Safari history file and creates a new [search set](#) with all imported URLs in the [Sites tab](#).

Export Sets...: Exports one or more selected search sets and saves them as file(s) in the file system. These files can be re-imported using "File > Import > Sets..." or by double-clicking them in the Finder, allowing them to be shared between multiple machines.

PAGE SETUP, PRINT

Sets your preferred page size and prints the contents of the frontmost window.

THE EDIT MENU

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

UNDO, REDO

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

CUT, COPY, PASTE

Cut/Copy/Paste: Cut, copy and paste selected item(s) or text passage(s).

Copy URL: Copies the URL of the selected page or frontmost Web browser window to the clipboard.

Clear: Deletes the selected 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 spell checker (see below).

Select All/Deselect All: Selects or deselects the complete content of the frontmost window.

FIND, ...

Find: This sub-menu contains commands for finding and replacing text. This is equal to the find functions in TextEdit or any other Cocoa application.

- *Find...:* Open 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: Gives you access to Mac OS X's standard spellchecker. 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](#).

OPEN, ...

Open...: Opens the selected search results in new [Web browser windows](#). Same as double-clicking the results.

Launch URL: Opens selected search results in your default Web browser. If DEVONagent is your default browser, this command is equal to "Data > Open..."

Reveal in Finder: Opens a new Finder window revealing the location of archived Web pages. Only available in the [archive](#).

ADD TO DEVONTHINK, ...

Add To DEVONthink: This sub-menu provides commands for adding pages from DEVONagent to the currently open DEVONthink database. You can choose the format of the document to be generated:

- *HTML page*: Saves the HTML code of the selected pages. Embedded or linked files are not saved, so a live Internet connection is required to display these pages. Also, if the publisher removes necessary files from the server, stored HTML pages may not be rendered correctly. Alternative: Save the page as a Web archive (see below).
- *Link*: Saves links to the selected pages.
- *Rich Text*: Saves selected text as a new text document. Only available in the Web browser.
- *PDF (one page)*: Saves the selected pages as PDFs without page breaks. A long Web page will be saved as one, very long page. Ideal for archiving. Only available in the Web browser.
- *PDF (paginated)*: Saves the selected pages as PDFs with page breaks. Use this for archiving Web pages that you may want to print later. Only available in the Web browser.
- *Web Archive*: Saves Web pages as Web archives. Web archives are self-contained files that include one Web page that includes

all additional files necessary for displaying, e.g., embedded images or movies. Only available in the [Web browser](#).

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 are using this search set and can be useful to include in a page in future searches. Select "New Set..." from the sub-menu to create a new search with the selected pages.

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.

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 also 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.

DELETE

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](#). Use this to quickly exclude an unwanted domain without having to block it via the [preferences](#).

Note: Use with care, you cannot undo these commands.

THE SORT MENU

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

BY NAME, ...

These commands sort the search results in the frontmost [search window](#) by:

- Name
- Date
- Size
- URL
- Top Level Domain
- Relevance

"Top Level Domain" means the last part of a Web site address. Generally, it is defined by the country the Web site 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 the all collected results in respect to the query. This is the default sorting order.

ASCENDING, DESCENDING

These two options sort the list ascending or descending by the selected sorting order.

THE WEB MENU

The "Web" menu contains all commands that are directly related to Web browsing, from quickly switching Java on or off to switching between views and reloading a Web page.

ENABLE PLUGINS, ...

These options enable or disable:

- Plugins
- Java
- JavaScript

on-the-fly without having you to open the [preferences](#).

STOP LOADING, ...

Stop Loading: Stops loading a Web page in the frontmost [Web browser window](#). This command 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 Web page in the frontmost Web browser window. This command is equal to clicking the reload/stop button on the address bar of a Web browser window when a page is completely loaded.

Make Text Bigger/Smaller: Increases or decreases the text size in the frontmost Web browser window. Use this command to make small text readable. This also works in the log tab of the search window, when an item is selected and DEVONagent displays a live view of the page in the lower pane.

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 Web page. Use this sub-menu to manually adjust the text encoding if DEVONagent displays accented characters, umlauts or East Asian characters incorrectly. Generally, Web sites publish their encoding and DEVONagent reads this meta data for adjusting the encoding automatically.

VIEW, ...

These three options switch the mode of the frontmost Web browser window between:

- Source Code
- Text
- Layout (normal, rendered)

view. Use these modes to view only the raw text of a layout-intensive Web page, or to switch to the source code to find information that is hidden in the code but not visible in the layout. DEVONagent 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.

ADDRESS BAR, FULL SCREEN

Address Bar: Shows or hides the address bar of the frontmost Web browser window. Hiding the address bar gives you more real screen space for the displayed Web page.

Full Screen: Switches the frontmost Web browser window to full screen or "kiosk" mode, effectively hiding all unnecessary interface elements like window frames, the Dock or the menu bar. Press Command-F8 or the Escape key to return to the windowed mode.

SHOW BOOKMARKS, SHOW OBJECTS

Show Bookmarks: Opens the bookmarks drawer. This command is equal to clicking the bookmarks icon in the address bar of a Web browser window.

Show Objects: Opens the object drawer. This command is equal to clicking the objects icon in the address bar of a Web browser window.

THE HISTORY MENU

As with any Web browser, the "History" menu lists all Web pages previously visited, divided into sub-folder for each day.

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. As 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 WEB PAGES

Besides the commands mentioned above, the rest of the "History" menu lists the previously visited Web pages, sorted from the top by their age.

THE GO MENU

The "Go" menu contains commands for navigating back and forth through all of the results of a results list in a [search window](#) or occurrences of a search word, as well as directly navigating to a saved bookmark.

NEXT/PREVIOUS RESULT/OCCURRENCE

Next/Previous Result: Navigates back and forth through the results lists to which the displayed Web page belongs. Use these commands to go through the resulting pages of 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](#). Due to shortcomings in Mac OS X's WebKit, this works in only a limited way in Web views and only jumps to the next or previous occurrence of the first word of the search term.

BOOKMARKS

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

Note: At the moment, DEVONagent does not come with a bookmark editor. To edit or add bookmarks, use the Web browser that you have selected in your preferences.

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 DEVONthink Pro Office, databases shared using the built-in web server.

WORKSPACES

Workspaces save the URLs of all open windows so that you can restore them later. This is, e.g., ideal if you are working with the same set of web pages over and over again. Save them as a workspace and recall them whenever you need them again.

Select any named workspace from the Workspaces part of the Go menu to recall it. Use the 'Add...' and 'Delete...' commands to save the currently open windows as a new workspace or delete an unused one from the menu.

THE TOOLS MENU

The "Tools" menu contains the more sophisticated commands, such as for accessing the [archive](#), switching between digest, pages, and log tabs of a [search window](#) and, most importantly, editing the [search sets](#).

SEARCH, ARCHIVE

Search...: Brings the search field of a [search window](#) into focus. If the frontmost window is not a search window, this command opens a new search window like ["File > New Search..."](#)

Archive...: Opens a window for the [archive](#). Use the archive for storing the results of a search run for reference or more thorough research. To add pages to the archive, use drag-and-drop, ["Data > Add to Archive"](#) or ["Data > Add All to Archive"](#).

DIGEST, PAGES, LOG

These commands switch between the three tabs of a [search window](#), "Digest", "Pages" and "Log". You can also switch between the tabs by clicking on the tabs in a search window.

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 Web page after Web page.

Pages: 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 Web pages that DEVONagent has sorted 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 instead of Google or other search engines.

Clear Log: Clears the logs.

EDIT SEARCH SETS, ...

Edit Search Sets...: Opens the [search set editor](#). Search sets define which search engines and Web sites DEVONagent uses for a search run. Select the search set you want to use for a search run from the magnifier pop-up

menu in the entry field in a [search window](#). Use the search set editor to modify the existing sets or create new ones to customize DEVONagent to your research needs.

Show Settings: Opens the [settings drawer](#). The settings drawer contains some search parameters that you can change on-the-fly for the next search run. Generally, these settings are similar to the "[General](#)" tab in the selected search set.

SHOW TOOLBAR, CUSTOMIZE TOOLBAR

Hide/Show Toolbar: Hides or shows the toolbar of the frontmost window.

Customize Toolbar...: Lets you configure the toolbar of the frontmost window.

THE WINDOW MENU

As in any Cocoa application, the "Window" menu lists all open windows of DEVONagent 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 iconize it to the dock. No magic here.

Bring All to Front: Brings all windows of DEVONagent to the front.

Window List: 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.

PLUGINS & SCANNERS, DOWNLOADS

Plugins & Scanners: Opens the [plugins and scanner 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.

Download Manager: This command opens the [download manager](#). Using the download manager, you can download files from the Web to your computer.

THE SERVICES MENU

The "Services" menu only appears here when you have HotService 2.0 or higher installed. HotService fixes some glitches in the Mac OS X services mechanism and makes the "Services" menu available in the top level of the menu bar in all Cocoa applications. Normally, the "Services" menu is a sub-menu of the application menu (the one that carries the application's name).

DEVONAGENT SERVICES MENU ITEMS

DEVONagent also provides some "Services" menu commands.

Lookup...: Opens a new search window in DEVONagent with the selected text pre-filled into the query field. 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. Use this to quickly select a URL, e.g., in an e-mail, and open it in a DEVONagent Web browser window.

Note: After installing DEVONagent you 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

"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 DEVONagent "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.

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.

[Read more about scripts and the DEVONagent "Scripts" menu here.](#)

THE HELP MENU

The "Help" menu contains commands for opening the integrated help pages, visiting the DEVONtechnologies web site, purchasing the application and entering a licence code.

HELP

DEVONagent Help: Opens the integrated help pages which are equal to the document you're just reading.

DEVONTECHNOLOGIES

These commands take you directly to the corresponding pages on the DEVONtechnologies website. Visit the [DEVONacademy](#), the [Support area](#), or the lively [online forum](#).

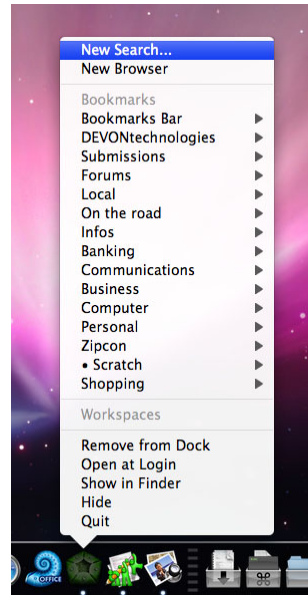
PURCHASE, ...

Purchase: Takes you to the [online shop](#) where you can conveniently purchase licenses for our applications.

Enter license: Use this command to enter your licence code information. Make sure you enter **ALL** the details **EXACTLY** as they appear in the licence code e-mail. It is best to copy-and-paste the name, organization and licence code from the e-mail to the appropriate fields. Press the Tab key after entering the last field, then click the "Register" button.

THE DOCK MENU

The Dock menu appears when you click DEVONagent's icon in the Dock and hold the mouse button for a second (or when you Control- or right-click it).



For all Mac OS X applications, the Dock menu provides a selection of the commands of the application menu.

- *<Window Name(s)>*: Brings any open window of DEVONagent to the front.
- *Remove from Dock*: Removes DEVONagent from the Dock. Only available if DEVONagent is added permanently to the Dock.
- *Open at Login*: Adds DEVONagent to your login items.
- *Show In Finder*: Reveals the DEVONagent application package in the Finder.
- *Hide*: Hides all windows of DEVONagent.
- *Quit*: Quits DEVONagent.

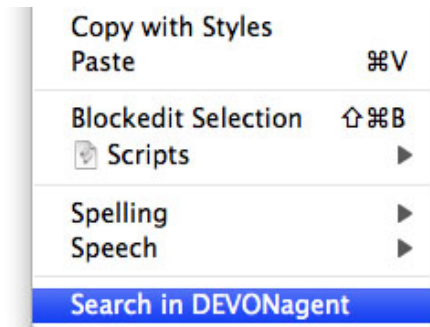
Besides these standard commands, DEVONagent adds a number of its own commands to the Dock menu to make them easily accessible, whenever the application is running.

- *New Search...:* Opens a new DEVONagent search window. Same as "File > New Search..."
- *New Browser...:* Opens a new DEVONagent 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 installs its own contextual menu plugin. It inserts a "Find with DEVONagent" menu item into the contextual menu of most Cocoa and Carbon applications.



Select some text, such as in an e-mail, Web page or Pages document, Control- or right-click the selection and select "Find with DEVONagent". DEVONagent opens a new [search window](#) with the selected text pre-filled into the query field.


WINDOWS AND PANELS

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DEVONagent uses a number of different windows for running search queries, displaying Web pages, setting up search sets or 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, including a pop-up menu for selecting the search sets to be used, and a "Start/Stop" 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.



The screenshot shows the DEVONagent 2.3.1 interface. At the top, there's a search bar with the query "Jobs (iPhone OR iPod OR Mac) WWDC...". Below the search bar, there's a "Start" button. On the left, there's a "Topics" sidebar with a list of topics including Jobs, Steve, Wwdc, Keynote, Leopard, Apple, Mac, Software, Iphone, Ipad, Video, Windows, San, Conference, Google, iTunes, Francisco, Mobile, Developers, Touch, Release, Hardware, Macbook, and Update. The main area displays a "Topics Map" with nodes for Release, Steve, Apple, Tiger, Iphone, Mac, Wwdc, Snow, Support, Rumors, Keynote, Year, and Developers. A "Digest" tab is selected, showing a summary of the search results. The summary includes a link to "Apple's WWDC: New iPhone, new OS X, new Mac? - News - Builder AU" and a brief description of the event. A "Log" tab is also visible.

- Choose your search set or plug-in
- Enter your query
- Start the search run
- Switch between digest, page list and log
- Navigate the topics map
- Select topics to focus the map and the summary
- View the actual data as a dynamic summary

It can't be easier and more fun to search the Internet, can it?

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 then queries all search engines and scans all Web pages defined by the search set. As soon as the search run has finished

(or you have clicked the "Stop" button), DEVONagent expands the search window, if necessary, and presents the results in either the Digest or the Pages tab, depending on your preferences.

Note: DEVONagent limits search runs to 100.000 result pages. This prevents flooding your hard disk when your search query or your "Follow Links" settings are too broad.

MAGNIFIER POP-UP MENU

The magnifier pop-up menu lets you select the search set you want to use for your search. For a general search, use the search set "Internet (Fast Scan)". You can define your own search sets in the search sets editor which you can also open by selecting "Edit Search Sets..." from the magnifier pop-up menu.

Note: You can easily create a new search set by using the "+" button next to "Start" button. 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. Tooltips give you more information about each plugin.

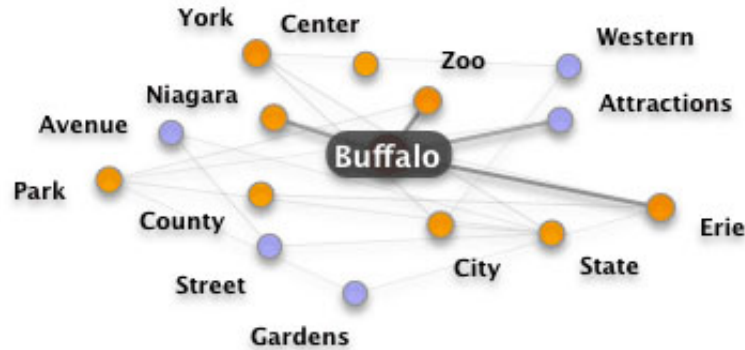
Recent Searches: Finally, the magnifier pop-up remembers the last 25 search terms (when private browsing is not enabled, of course). You recall them simply by selecting them from the "Recent Searches" sub-menu. Remember to select the correct search set or plugin.

DIGEST TAB

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

The digest differs from what traditional search engines and applications display. It's what makes DEVONagent unique. Instead of simply listing the URLs of found pages, the digest shows a list of topic words that DEVONagent 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 found to be important and related to the query. You can sort this list by topic or relevance by clicking the column headers.



Topics Map: In the right hand side pane, DEVONagent first shows short paragraphs from every found Web page, until you select one or more topic words. Then, the AI core comes to life again and shows a visual representation of the selected topic and its relations to other topics in a mind-map style.

The selected topic becomes a big blob in the center of the map with all related topics arranged around it. The larger a blob and the more orange or red it is, the more important it is. Topics related to the selected word

but that are not part of the topics list on the left, are shown in blue. Light grey lines show 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 will recalculate the map accordingly. This is similar to selecting another topic word from the list to the left.

Summary: Finally, below the topics map, DEVONagent shows a summary of the extracted information sorted by relevance. At the end of each extract, you'll also find a link to the original source where DEVONagent extracted the data from (Command-click the link 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 and visit hundreds of Web pages manually.

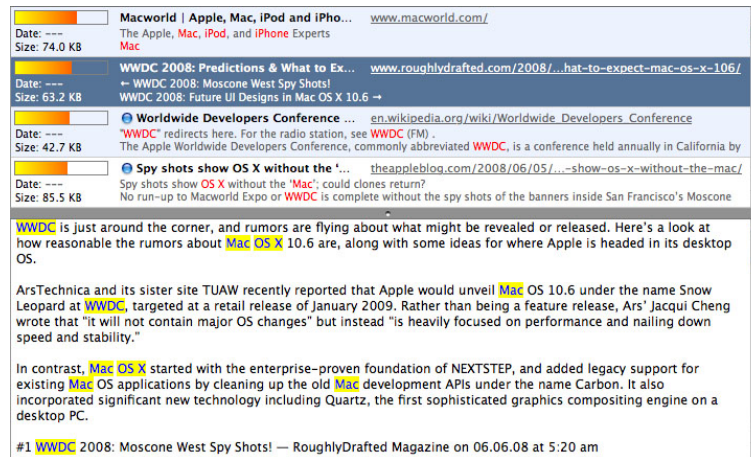
This summary dynamically changes with whatever topic word or words you select in either the left hand side pane or the topics map. This way, you can use the topics map to navigate through the found information and refocus the summary to whatever you are interested in.

Note: You can also select multiple topics with the Shift and Command keys, or enter your own keywords, separated by spaces, into the text field below the topics list. For the topics

map, DEVONagent will only use the first selected topic word. It does not work with words you enter into the keyword text field.

PAGES TAB

The "Pages" tab is similar to what most search engines deliver, a list of all found URLs including the name of the Web page and a two lines excerpt from where on the page the search terms are found. Sort the list by all the criteria that you can find in the "Sort" menu. In the lower pane of the "Pages" tab, DEVONagent displays a text preview of the relevant text passages for pages selected in the list above.



All pages that you haven't checked show a blue dot in front of them, similar to unread e-mails in Apple Mail. You can also select results, 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.

LOG TAB

The "Log" tab lists all pages that DEVONagent has skipped.

DEVONagent skipped them because they:

- Did not match the query
- Deliver 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 didn't have to look at yourself because DEVONagent did that job for you.

Date	Address	Error
11:07:16	www.google.com/search?as_q=Jobs+(iPhone+OR+iPod+OR+Mac)+WWDC+%22OS+X%22&num=40&i	Links: 45
11:07:16	www.apple.com/pr/library/2008/05/13wwdc.html	No match
11:07:16	www.applegazette.com/top-story/mac-os-x-106-to-debut-at-wwdc-08-not-a-chance/	No match
11:07:16	adserver1.backbeatmedia.com/servlet/ajrotator/14533/0/viewHTML?pool=15521&type=3158&zone	Advertisement
11:07:16	rcm.amazon.com/e/cm?t=macosxrumorsc-20&o=1&p=8&l=as1&asins=B000BX5JQG&fc1=000000&i	Skipped
11:07:16	rcm.amazon.com/e/cm?t=macosxrumorsc-20&o=1&p=8&l=as1&asins=B000BQXTSS&fc1=000000&i	Skipped
11:07:16	www4.mactnn.com/mactnn/wwdc/05/	No match
11:07:16	www.gearlive.com/news/article/q208-mac-os-x-1056-snow-leopard-debuting-at-wwdc/	No match
11:07:16	live.macosobserver.com/article/2005/06/wwdc2005_keynote.shtml	No match
11:07:16	adserver1.backbeatmedia.com/servlet/ajrotator/253/611/viewHTML?pool=124&type=13&pos=11&z	Advertisement
11:07:16	arstechnica.com/staff/fatbits.ars/2008/06/05/wwdc-2008-keynote-bingo	No match
11:07:16	bingo.keynote.se/	No match
11:07:16	news.worldofapple.com/archives/2008/05/13/steve-jobs-to-demonstrate-iphone-os-x-platforms-	No match

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. Select any address from the list to display a "live" view of the page in the lower pane.

TOOLBAR

The toolbar of DEVONagent's main 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:

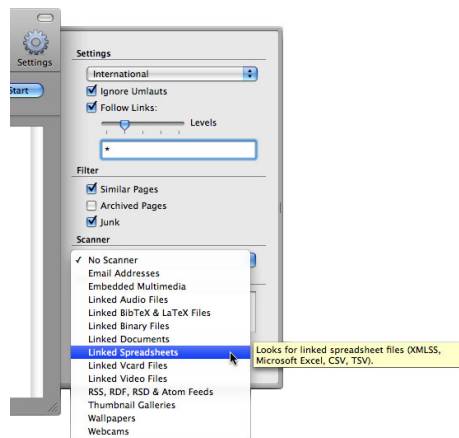
- *Open*: Opens the selected page(s) in a separate Web browser window.
- *Add*: Adds the selected page(s) to the internal archive.
- *Add All*: Adds all found pages to the internal archive.
- *DEVONthink (Pro)*: Adds the selected page(s) to the currently open DEVONthink (Pro) database.
- *DEVONthink (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.
- *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.
- *Delete*: Deletes the selected page(s) from the results list.
- *Archive*: Opens a window for the internal archive.
- *Settings*: Opens the settings drawer.
- *Print*: Prints the results list.

Note: Not all of these commands are always available. You can customize the toolbar by selecting "Tools > Customize Toolbar..." or by Control- or right-clicking the toolbar background and selecting "Customize Toolbar..." from the contextual menu.

SETTINGS DRAWER

The "Settings" drawer, that opens when you click the toothwheel tool in the toolbar of search windows or select "Tools > Show Settings", contains some of the options from the "General" tab of search sets and overrides these settings TEMPORARILY.



The "Settings" drawer offers the following options:

- Language
- Follow Links
- Filter
- Scanner
- Secondary Query

Use the "Settings" drawer to temporarily enable or disable options, for example to switch on a scanner without permanently messing up the search set.

SHORTCUTS & MODIFIER KEYS

Like any Mac application, DEVONagent uses modifier keys or shortcuts to quickly access frequently used functions or modifying 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 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 gives you access to some options only via the contextual menu.

- *Open....*: Opens the selected page(s) in separate Web browser windows.
- *Launch URL*: Open the selected page(s) 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 (Pro) > ...*: Adds the selected page(s) to the currently open DEVONthink (Pro) database.
- *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).

- *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 domain. Use this to quickly exclude an unwanted domain, without having to block it via the [preferences](#).
- *Sort by > ...*: Sort the results list by the criteria listed in the sub-menu.

In text areas, e.g., the text preview on the "Pages" tab, DEVONagent 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 spell checker 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 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.



- Switch between page, source code and text only view
- Enter the page address
- Find related pages in the results pool
- Go to previous, next result; Delete page from results pool
- Access common commands via the action menu
- Use the contextual menu to work with page elements

Rule #1: Use the right tools for the job. DEVONagent, the research browser.

- Open bookmarks / objects
- Access page elements in the Objects Drawer

To visit a Web site, enter its address into the address field of the toolbar and press Return or Enter. Alternatively, drag a URL to DEVONagent'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 others. The keywords are defined by the plugins, but can be individually edited.

Example: Enter "google apple computer" to query Google for "apple computer"; enter "vt devonthink" to query VersionTracker for "devonthink".

TAB BAR

The tab bar below the toolbar lists all tabs of the Web browser window. Each tab contains a different Web page. Use tabs to open multiple Web pages without cluttering your screen with dozens of separate windows. Switch between tabs by simply clicking the tab you want to bring to the foreground.

Point to a tab for once second without clicking to shows a tooltip with a thumbnail preview of the Web page 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 Web page icon. Also, after the last tab, DEVONagent shows a "+" button for creating new, empty tabs.

TOOLBAR

Contrary to other windows in DEVONagent, the toolbar of Web browser windows is non-customizable. The standard elements are:

- *Objects / Bookmarks*: Opens or closes the objects or bookmarks drawer (see below).
- *Source / Text / Layout*: Switches between source code, text and layout (default) view. Use the source code view to inspect how a page is constructed and the text mode to see the raw text without any fancy, but distracting, layout. The same commands are available in the "Web" menu.
- *Back / Forward*: Navigates back and forth through the visited pages, like a standard Web browser. Similar to "History > Back/Forward".
- *Smaller / Larger Text*: Decreases or increases the font size. Use this to make small text readable or to fit more text on your screen.
- *Reload / Stop*: Reload the current page (circle arrow icon) or stop loading a page ("X" icon).
- *Address Bar*: Type in the URL to load here, or type in a keyword and a simple query. [Read more about keywords here](#). To create

a Web location file, select the whole address in the address field and drag its text to the Finder.

- *Action Menu*: Access some frequently used commands directly from the toolbar (see below).
- *Language Indicator*: This item shows the language of the displayed page as recognized by DEVONagent as a flag. If your system's preferred language is different, clicking the flag translates the page using the Google language tools.

If the browser window belongs to a page opened from a search run, three additional items appear in the toolbar:

- *Previous/Next Result*: Navigates back and forth through the list of pages generated by the search run to which the current page belongs.
- *Delete Result*: Deletes the current page from the list of results.
- *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.

ACTION MENU

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

- *Launch URL*: Opens the selected page(s) in your default Web browser.
- *Add to DEVONthink > ...*: Adds the page to your currently open DEVONthink (Pro) database. Select the desired format, HTML, URL, rich text, PDF (one page), PDF (paginated) or Web archive from the sub-menu. 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.
- *Export*: Exports the selected page(s) as pure text, RTF(D) or HTML.
- *Next / Previous Result*: Jumps to the next or previous result. Same as "Go > Next/Previous Result".
- *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

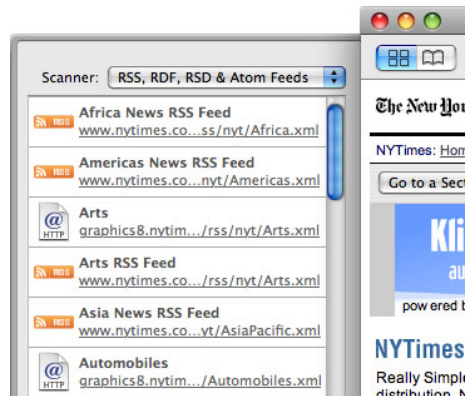
displayed page is the same than the preferred language of your system.

- *Delete*: Deletes the displayed page from the result list it was opened from. Only available if the page was opened from a search run.

OBJECTS DRAWER

The objects drawer is unique to DEVONagent. It extracts certain elements from a displayed Web page using a [scanner plugin](#) and presents them in a nicely arranged list. Use the objects drawer to extract for example all e-mail addresses, the links to external Office files or references to downloadable application archives.

To use the objects drawer, simply click the "Objects" tool in the toolbar or choose "[Web > Show Objects](#)". Then, select the scanner of choice from the pop-up menu.



To display an object in the drawer, such as an image, or follow an extracted link, simply select it in the drawer; to go back to the original page, use the "Back" button. Double-click an object to open it in a new tab (if tabbed browsing is enabled) or a new Web browser window.

Additionally, the objects drawer features a couple of commands via the contextual menu or the action menu button (labelled with a gear icon) at the bottom of the drawer:

- *Open in New Window*: Opens the selected item in a new Web browser window.
- *Open in New Tab*: Opens the selected item in a new tab.

- *Open in PhotoStickies*: Opens a selected item in [PhotoStickies](#).
- *Add Link to DEVONthink*: Adds the link of this item to the currently open [DEVONthink](#) database.
- *Copy Link*: Copies the selected link to the clipboard.
- *Download*: Downloads the selected item (or the item referred to by a link).
- *Select / Deselect All*: Selects or deselects all items in the list.
- *Use Small Icons*: When checked (default), DEVONagent 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.

BOOKMARKS DRAWER

Like the ["Go" menu](#), the bookmarks drawer gives you access to the bookmark collection of the Web browser you have selected in the [preferences, "Bookmarks" tab](#): Camino, Firefox, OmniWeb or Safari (default). It also supports "bookmarklets", little JavaScript applets coded into a bookmark, e.g., for adding a displayed page to [DEVONthink](#) or posting it to your [del.icio.us](#) collection.



To use the bookmarks drawer, simply click the "Bookmarks" tool in the toolbar or choose "Web > Show Bookmarks". Expand or collapse bookmark folders by clicking the grey triangle and visit a Web site by simply selecting it in the drawer.

Double-click or command-click a bookmark to open the page in a new tab (if tabbed browsing is enabled) or a new Web browser window. Double-click or command-click a bookmarks group to open all bookmarks contained in separate tabs. If a bookmarks group is marked as "auto-click" in Safari, selecting it opens all contained pages automatically in separate tabs.

Note: You cannot edit your bookmarks from within DEVONagent or add new ones. (This may change in a future version.)

Additionally, the bookmarks drawer features a couple of commands via the contextual menu or the action menu button (labelled with a toothwheel icon) at the bottom of the drawer:

- *Open in New Window*: Opens the selected item in a new Web browser window.
- *Open in New Tab*: Opens the selected item in a new tab.
- *Copy Link*: Copies the selected link to the clipboard.

SEE-ALSO DRAWER

The see-also drawer opens when you click the ">>" button in the toolbar. This button is only available when the current Web page belongs to a search run.

The see-also drawer lists other pages related to the displayed page. Click any item in the drawer to display it. The original page stays at the top of the list so that you can easily go back to it at any time.

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, command-click opens the clicked link in a new window.
- *Option-Click*: Downloads an item on a Web page, 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 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 gives you access to some options only via the contextual menu.

- *Reload*: Reload the item or page.

- *Stop Loading*: Stop loading the item or page.
- *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 Link to DEVONthink (Pro)*: 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.
- *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 (Pro)*: Adds the selected image to the currently open DEVONthink (Pro) database.
- *Save Image As...*: Saves the selected image to your computer.
- *Back/Forward*: Navigates back and forth through previously visited pages, similar to the "Back" and "Forward" toolbar buttons or "History > Back/Forward".

When you Control- 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 Web archive (including all embedded images needed for correctly displaying it) of the page to the currently open DEVONthink (Pro) database.

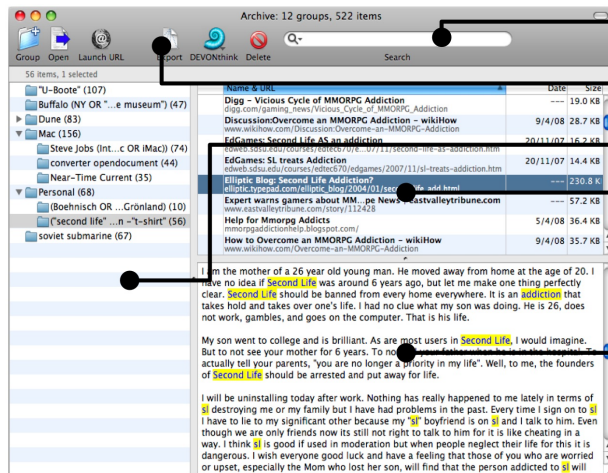
- *Add Page / Frame to Set > ...*: Adds the page or frame address to the sites list of a search set.
- *Add All Links to Set > ...*: Adds all links found on the page to the Sites list of a search set.

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 forward or backwards.

ARCHIVE WINDOW

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



Search the archive

Organize archived pages, view, export, delete them

Browse archived search runs

Access every archived page

View a summary focused on the original search term or the query entered above

Archive included. Never again lose what you have found on the Internet.

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.

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 the menu command "Data > New Group". Rename a group by clicking it once and waiting a second (like the Finder), or by selecting it and pressing the Return 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 > Ascenting/Descending](#)".

PAGES

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

Rename a page by clicking it once and waiting a second (like the Finder), or by selecting it and pressing the Return 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 with the mouse or use the contextual menu.

To sort the pages list, click the relevance (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 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 a 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 magnifier pop-up menu.
- *Print:* Prints the results list.

Note: Not all of these commands are always available. You can customize the toolbar by selecting "Tools > 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 uses modifier keys or shortcuts to quickly access frequently used functions or modifying 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, 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 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 page(s) in separate Web browser windows.
- *Launch URL*: Open the selected page(s) 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 (Pro) > ...*: Adds the selected page(s) to the currently open DEVONthink (Pro) database.
- *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 page(s).
- *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 domain. 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.

Note: For your convenience, DEVONagent also makes the "Services" menu available via the contextual menu.

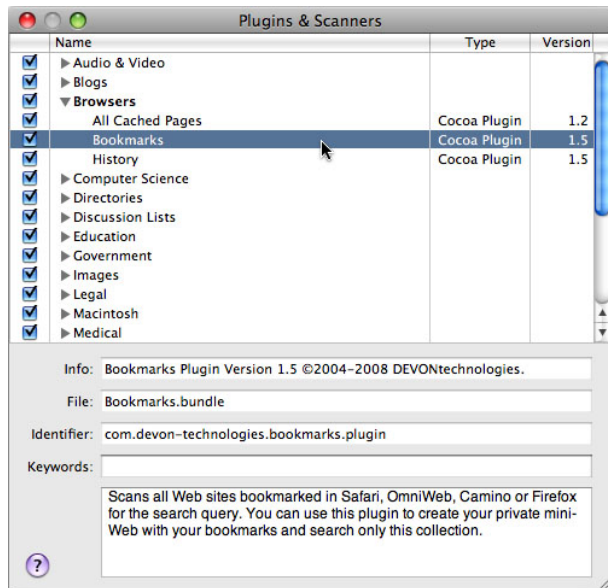
SEARCH SET EDITOR

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

Because search sets are so important, we have created an extra chapter just about the search sets and the search sets editor. [Read more about them here.](#)

PLUGINS AND SCANNERS

The "Plugins & Scanners" panel, available via "Window > Plugins & Scanners", lists all installed plugins and scanners and shows additional information about them, for example their type, version and purpose.



Also, you can enable or disable plugins or whole groups of plugins by checking or unchecking them. Use this to simplify the magnifier pop-up menu in the search window or the plugin list in the search set editor.

All plugins and scanners are nicely 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:

- Copyright information
- File name
- Identifier (internal identification string)
- Keywords
- Description

The 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 MSN plugin comes with the predefined keyword "msn". To send a query to MSN Search, type e.g., "msn devonthink" into the address bar of a DEVONagent Web browser window and press Return or Enter.

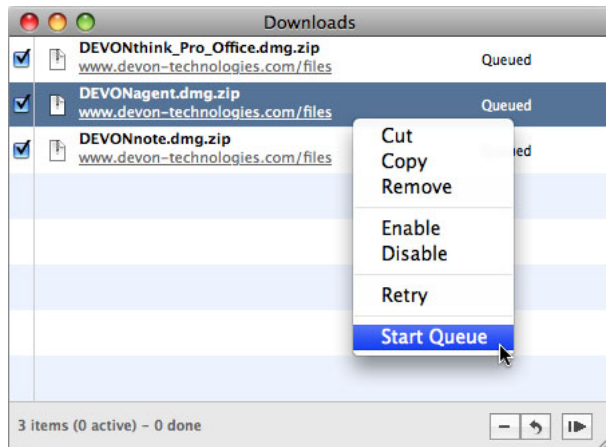
This effectively replaces the search engine field that can be found in other Web browsers, such as Safari, with a far more flexible approach.

You can add your own keyword(s) to most plugins, separated by spaces, to make them quickly accessible from any open browser window.

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/`".

DOWNLOAD MANAGER

The command "Window > Download Manager" opens the "Download Manager" panel of DEVONagent. Using the download manager, you can download files from the Internet to your computer; the download URL is automatically placed into the Finder comment of the downloaded file.



For URLs that require authentication, DEVONagent asks for username and password. It also uses the system-wide 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 Web browser window or any other application to the download manager window, paste a copied URL or control-click a link in a DEVONagent Web browser window and choose "Add to Download Manager". Option-clicking links in the Web browser or the objects drawer adds items to the download manager, too. Also, DEVONagent automatically puts files it cannot display into the download manager, if you double-click them, e.g., Microsoft Office or OpenOffice files.

DEVONagent downloads files added to the download manager immediately. To remove a file from the download manager, 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.

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 to what you can do with the clicked object

- *Cut*: Copies the selected link to the clipboard and removes it from the download manager queue.
- *Copy*: Copies the selected link to the clipboard.
- *Paste*: Adds a link that is copied to clipboard to the download manager queue.
- *Reload*: Reloads the selected item(s).
- *Remove*: Removes the selected item(s) from the download manager queue.
- *Enable/Disable*: Enables or disables the selected item(s). Disabled (unchecked) items are not downloaded but kept in the download queue.
- *Start/Stop Queue*: Starts or stops the download queue.

PREFERENCES

The "Preferences" window is, like in any Mac OS X application, available via "[DEVONagent > Preferences...](#)" It contains all available options that you can modify to adapt DEVONagent to your personal needs.

Because the preferences are so important, we have created a chapter just for them. [Read more about them here.](#)

PREFERENCES

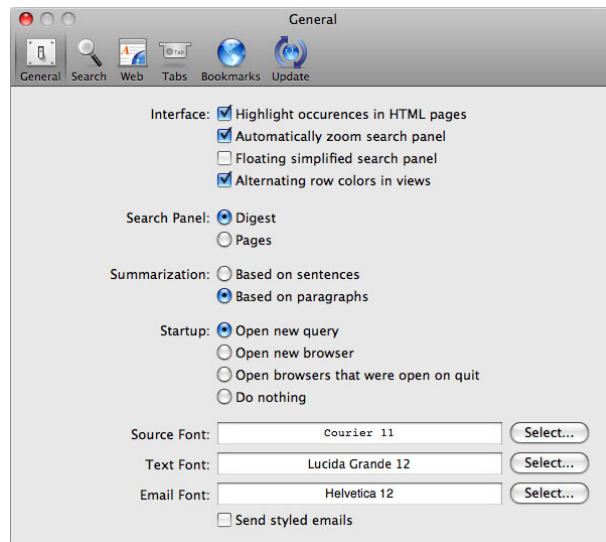
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The preferences window, which you can open by selecting "Preferences..." in the DEVONagent menu, is the place where you change all global settings of DEVONagent.

For your convenience, the preference panel is divided into tabs, just like the system preferences. Select the tab you want to check or modify with the icons at the top of the preferences window.

GENERAL

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



INTERFACE

These options define some parts of DEVONagent'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 colors lines in lists slightly differently to make them easier to read.

SEARCH PANEL

This option defines if DEVONagent shall show the Digest or the Pages tab when a search run is done.

- *Digest:* Switches to the Digest tab when DEVONagent has finished a search run.

- *Pages*: Switches to the Pages tab when DEVONagent has finished a search run.

SUMMARIZATION

These options define how DEVONagent creates summaries.

- *Based on sentences*: Creates summaries based on sentences. Generally shorter summaries, but you may miss information that DEVONagent classifies as not important.
- *Based on paragraphs*: Creates summaries based on whole paragraphs. Longer summaries, but they are not clipped.

STARTUP

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

- *Open new query*: Opens a new, empty search window when you open DEVONagent.
- *Open new browser*: Opens a new Web browser window when you open DEVONagent.
- *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.

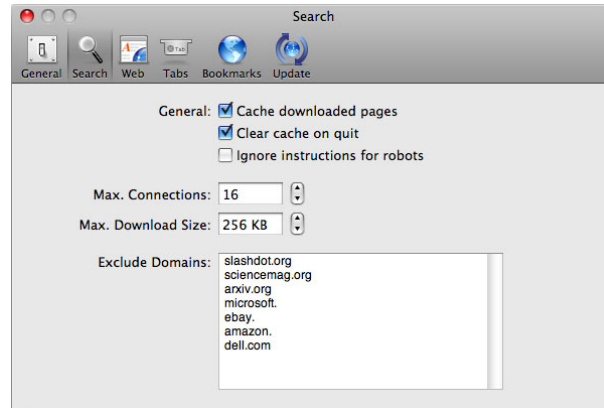
Fonts

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 Web pages.
- *E-Mail font*: Changes the font used for styled e-mails (RTF text). Check "Send styled e-mails" to let DEVONagent send summary e-mails as RTF text. [Read more about sending summary e-mails here.](#)

SEARCH

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



GENERAL

- *Store downloaded pages:* Check if you want DEVONagent to store downloaded pages in its cache. This consumes disk space but leads to much faster searches when DEVONagent scans an already cached page again.

- *Clear on quit:* When checked, DEVONagent clears the cache when you quit it.
- *Ignore instructions for robots:* Ignores instructions embedded into the HTML code of Web pages that tell robots (like DEVONagent) to not index this page. If unchecked (default setting), DEVONagent tries to be nice and honours the wishes of the creator of the Web pages.

MAX. CONNECTIONS

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

Our recommendations:

- *Slower than 256 Kbps (e.g., Modem):* 2 to 8 connections
- *256-512 Kbps (e.g., cable modem):* 8 to 16 connections
- *512-1024 Kbps (e.g., DSL):* 16 to 24 connections (at least 500 MHz CPU recommended)
- *Faster than 1024 Kbps (super broadband):* 24 to 40 connections (at least 600 MHz CPU or dual processor recommended)

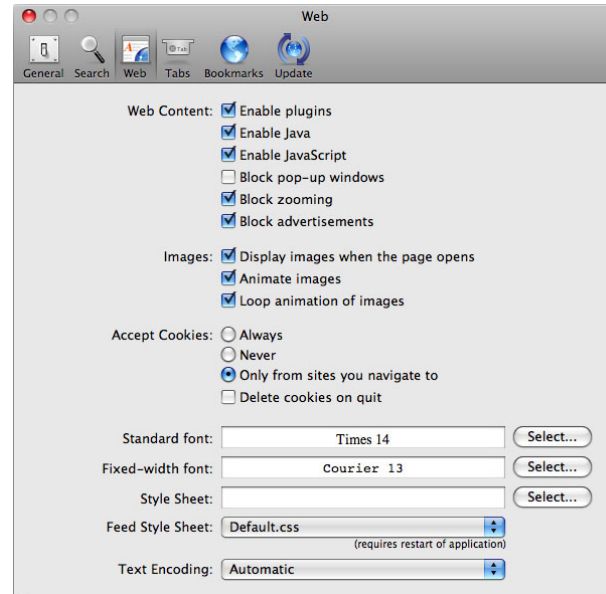
MAX. DOWNLOAD SIZE, ...

These options define, how large files can be that DEVONagent will download for search runs, and what domains to exclude from searches at all.

- *Max. Download Size:* Defines the maximum size of a file that DEVONagent will download in a search run. 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:* 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, e.g., "sciencemag.org" or "slashdot.org", or to ignore sites you don't like (for example "microsoft.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.

WEB

The options in this tab resemble the settings of most Web browsers. They define how DEVONagent's built-in Web browser windows displays HTML documents and live Web pages.



WEB CONTENT

These settings define how DEVONagent treats some 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 Web pages.
- *Enable JavaScript:* Check this option to run JavaScript scripts contained in Web pages.
- *Block pop-up windows:* Check this option to block pop-up windows which are often advertisements. Uncheck this option if the Web page you're visiting uses pop-up windows for actual content (some Web content management systems do this, for example).
- *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.

IMAGES

Use these options to define how DEVONagent displays graphics in Web pages.

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

ACCEPT COOKIES

Cookies are little text files with information that Web pages store on your computer, for example to recognize you as a returning customer. While most of them are harmless, you may want to have control over 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 Web sites you navigate to, not from other sites, e.g., ad trackers.
- *Delete cookies on quit:* Deletes all stored cookies when you quit DEVONagent.

Note: Warning! "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 Web pages, separately for variable-width and fixed-width text.

(FEED) STYLE SHEET

You can further control the way DEVONagent displays Web pages 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 to DEVONagent's Web browser.
- *Feed Style Sheet:* DEVONagent comes with two different style sheets for RSS news feeds. Choose between them, the

DEVONagent default style sheet and one resembling the RSS feed display of Mac OS X Tiger.

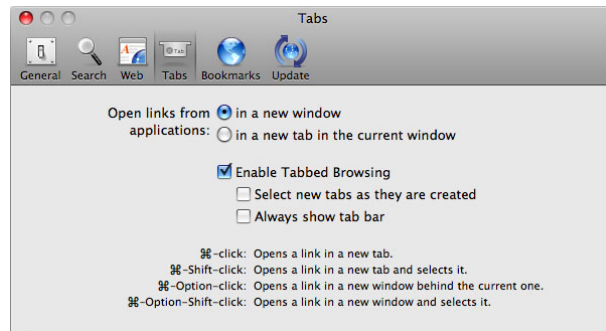
Note: Applying an external CSS style sheet to Web pages is an expert option. It heavily affects the rendering of all Web pages in DEVONagent. It does not interfere with the search functionality of DEVONagent, though.

TEXT ENCODING

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

TABS

Like many modern Web browsers, DEVONagent features tabbed browsing. This enables you to display multiple Web pages in one Web browser window and switch between them with tabs like e.g., in the preference window.



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

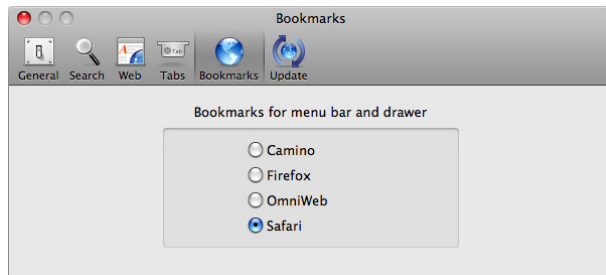
- *Open links from applications:* Defines whether DEVONagent shows pages requested by other applications, such as the Finder, in a new window or in a new tab in the current browser window.

- *Enable Tabbed Browsing:* Switches tabbed browsing on or off. You can always create new tabs manually, but DEVONagent will not open new tabs automatically or when you Command-click a link.
- *Select new tabs as they are created:* When checked, DEVONagent automatically switches to a newly generated tab.
- *Always show tab bar:* When checked, the tab bar is always visible; when unchecked, DEVONagent 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 or opening links in new tabs, similar to Apple Safari. The keyboard commands may change with the options you select above.

BOOKMARKS

DEVONagent makes the bookmarks defined in your favourite Web browser available both in the "Go" menu and in a bookmark drawer in Web browser windows.



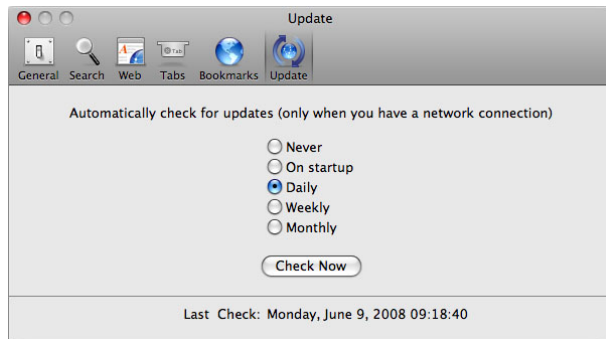
Select your favourite browser:

- Camino
- Firefox
- OmniWeb
- Safari

Note: In the current release, DEVONagent only reads the bookmarks of these browsers and does not come with its own bookmark editor.

UPDATE

Change the settings on this tab to choose when you want DEVONagent to check for new versions: Never, on startup, daily, weekly or monthly. DEVONagent only performs 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 very long delays when opening DEVONagent.

WIDGETS

DEVONagent Widget

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DEVONagent comes with a handy Dashboard widget that allows you to enter a query and start a search run at any time simply by visiting the Dashboard.



DEVONAGENT WIDGET

The DEVONagent widget allows you to search your DEVONagent database directly from Dashboard. The widget sends the entered query to DEVONagent 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 script that sends you a Growl notification when the search run is done.

FRONT SIDE

On the front side of the widget, enter your query and click the DEVONagent icon to start the search run. If DEVONagent isn't running, it will be opened. The title bar of the widget shows the search set that DEVONagent 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 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

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DEVONagent comes with a fully loaded AppleScript dictionary and some Automator actions that help you automate almost every aspect of your DEVONagent workflow. Use the included (useful!) scripts to perform often-used tasks and use them as templates for creating your own scripts and Automator workflows.

INTRODUCTION

DEVONagent 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 with scripting, DEVONagent comes with a whole bunch of scripts that you can simply use from the "Scripts" menu (which shows a stylized AppleScript "S" symbol as its title instead of the word "Scripts"). These scripts interact directly with selected items, the currently displayed Web page or a window. All scripts delivered with DEVONagent are useable in your daily work, not simple examples skeletons that need to be filled with life first.

THE GLOBAL SCRIPT MENU

Mac OS X's global script menu allows you to access scripts from any application. When activated, it appears at the right hand side of the menu bar like any other menu extra. To maximize confusion, it appears with a graphic "S" icon, just like DEVONagent's own "Scripts" menu.

To activate the global script menu, do the following:

- Open the AppleScript Utility (in `/Applications/AppleScript`).
- Check "Show Script Menu in menu bar".
- Uncheck "Show Library scripts", if you only want to see the scripts you've installed yourself.

Note: On Mac OS X 10.3.9, use `/Utilities/AppleScript/Install Script Menu` instead of the AppleScript Utility.

To install your own scripts, e.g., the scripts that come with DEVONagent, copy them into the folder `~/Library/Scripts`. You can use sub-folders to structure them in any way you like.

Note: If you create a sub-folder named "Applications" inside `~/Library/Scripts`, you can put application-specific scripts within sub-folders of this folder. These scripts will appear at the top level of the Scripts menu whenever the application with the same name as a sub-folder of `~/Library/Scripts/Applications` is frontmost.

DEVONAGENT'S DICTIONARY

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

You can also add DEVONagent to your Script Editor library. Select "Window > Library", click the "+" button and choose DEVONagent. This way you have DEVONagent's dictionary always handy.

LEARNING APPLESCRIPT

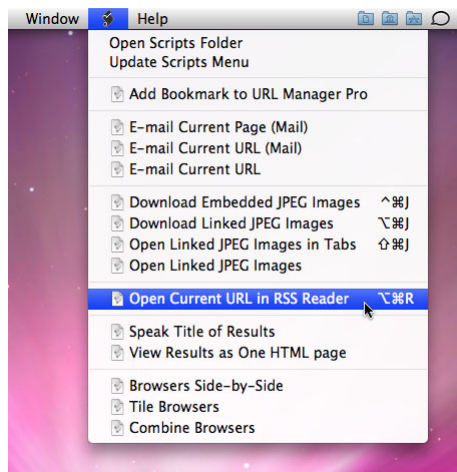
This documentation is no AppleScript language guide. Please refer to [Apple's AppleScript Web site](#), other online resources or introduction and reference books. Here are some links for you:

- [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'S SCRIPTS MENU

The internal scripts menu of DEVONagent, located to the left of the "Help" menu, gives you access to pre-made scripts that extend DEVONagent with additional, more specialized commands and functions. They are only visible from inside DEVONagent and extend its functionality.



Of course, you can easily modify all these scripts using AppleScript Editor, and the workflows using [Automator](#) or add your own scripts and workflows to the menu. They are located in "~/Library/Application Support/DEVONagent/Scripts", you can open this folder in the Finder comfortably with "Scripts > Open Scripts Folder".

Note: If you want to add keyboard shortcuts to scripts in this menu, you cannot do this using the 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 SENDING E-MAILS

- *E-mail Current Page (Mail)*: Creates a new e-mail in Apple Mail with the currently displayed Web page attached as Web archive. Web archives contain the HTML code of the page including all embedded elements that are necessary to display them.

- *E-mail Current URL (Mail)*: Creates a new e-mail in Apple Mail with the URL of the currently displayed Web page in the body.
- *E-mail Current URL*: Asks for an e-mail address and sends the URL of the currently displayed Web page by e-mail 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 e-mail account correctly in Apple Mail.

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](#).
- *Open Linked JPEG Images*: Opens all JPEG images linked from the currently displayed page in separate [Web browser windows](#).

SCRIPTS WORKING WITH RESULTS

- *Open Current URL in RSS Reader:* Opens the URL of the frontmost web browser window in the default RSS reader. Use it on displayed feeds to add them to your reader.

SCRIPTS WORKING WITH PAGES

- *Add Results to DEVONthink Pro:* Adds the abstracts of the selected pages to the currently open DEVONthink Pro database as a sheet.
- *Speak Titles of Results:* Speaks the titles of the selected pages.
- *View Results as One HTML Page:* Creates an HTML page of the abstracts of all result pages and displays it.

SCRIPTS ARRANGING WINDOWS

- *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.

OTHER SCRIPTS

- *Add Bookmark to URL Manager Pro*: Adds the URL of the frontmost Web browser window to URL Manager Pro.

AUTOMATOR

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

To see which actions DEVONagent provides, open Automator and select "DEVONagent" in the applications list on the left hand side. Automator automatically displays all actions contained in the application. Select any action to show a short description about what the action does.

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

PLUGIN DEVELOPMENT

Creating Your Own Plugins

207

XML Keys

218

DEVONagent comes with a long list of ready-to-use plugins for popular search engines. However, if you want to write your own plugins to query your favorite search engine, no problem. Here is all what you need. [The tutorial](#) gives you a jump-start on how to write your own plugins for DEVONagent, 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 for developing a perfect plugin.

CREATING YOUR OWN PLUGINS

Do you have one or more favorite Web sites that you would like to search using DEVONagent? This document will show you how to create an XML plugin for DEVONagent. It will be a step-by-step tutorial that will guide you through a real, practical example 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 nitty-gritty details of the XML keywords that we are going to use.

TOOLS

The following tools are required:

- *Property List Editor*: An application to build the XML structure, this is part of Apple's Developer Tools installation. There are other programs that may help you, but this program will safeguard you from creating hard to find typos in the XML structure.
- *DEVONagent*: The [source code mode](#) allows you to see the source of a Web page. But, of course, any other browser is good

as well, as long as there is an easy way to copy links and source of an HTML page.

CREATE A NEW XML FILE

In this tutorial we will make a plugin for the "Acronym Finder" site. You can create a new XML file in the Property List Editor application, or choose a suitable existing plugin and use a copy of it as a template. In the following text, we assume that a new file is created.

You want to create the following values (the values will be displayed in the order of the columns in the Property List Editor application: Property List [Class]: Value):

- *Name [String]*: Acronym Finder
- *Info [String]*: Acronym Finder plugin 1.0 © 2005
DEVONtechnologies, LLC (although you may want to set the copyright to yourself, you're doing the work!)
- *Description [String]*: Something that helps people understand what it does
- *Version [String]*: 1.0
- *Identifier [String]*:
com.devon-technologies.AcronymFinder.plugin (make this also

something that identifies you, there are no spaces allowed, should be similar to a Web address)

SEARCHING

Now you need to go to the site in a Web browser (possibly, login for specific sites) and enter a search term and search. Hopefully you will get some results. We use "RFID" as a search term, together with the widest range of possibilities for matches by selecting "acronym (wildcard)" as a search option. You will want to give DEVONagent as much information as possible to search from. Here's the URL we end up with:

Example:

<http://www.acronymfinder.com/af-query.asp?String=wildcard&Acronym=RFID&Find=Find>

Also play with the advanced search facility on the site (or check the available site help), change the values and make some new searches. Save all of these search URLs in a TextEdit document, making it easier to detect what is different.

This search URL is needed for the "EngineUrl" keyword, this is what DEVONagent uses to create a search URL to send to a site. Now that we have hard-coded our search argument, we can change this to allow for search strings entered in DEVONagent: "Acronym=RFID" is my search query, change this to: "Acronym=_agentQuery_".

Note: The string `_agentQuery_` is replaced with the query when you use this plugin in a search run.

With this part solved, we need to find out if we can influence the number of results that are returned by the site. This is why we previously mentioned trying several searches and saving the result in a TextEdit document. In our case, we try a search with "`*ID`". According to the Web site this returns 500 results and now we see what we have to do to page through these results. This is the URL you get when you click "Next page of results -->" (do a control-click on the link to copy the Web address):

Example:

<http://www.acronymfinder.com/af-query.asp?acronym=ID&String=wildcard&page=2>

What does this tell us? That the "page=2" part allows DEVONagent to browse through the different result pages and that we should probably set "Start" with 1. By counting the number of results on a page we can also solve the value for the "ResultsPerPage" keyword.

If we study the site help for the kind of searches we can do, it is clear this particular site doesn't give us a lot of possibilities. Therefore we have to inform DEVONagent that it shouldn't use its sophisticated search operator mechanism for this site. This you can set by using the "Operators" keyword to 0 (see "Keys"). For most sites, the default value is okay, but if you really want to optimize your plugin, setting the proper value here will help you with efficient complex searches.

Now we can add the following values to our XML plugin:

- *EngineUrl [String]:*
http://www.acronymfinder.com/af-query.asp?
String=wildcard&Acronym=_agentQuery_&
Find=Find&page=_agentOffset_
• *ResultsPerPage [Number]: 20*
• *Start [Number]: 1*
• *Operators [Number]: 0*

FILTER THE LINKS ON RESULT PAGES

In order to guide DEVONagent to find links for search results as efficiently as possible, we will need to see what kind of links are created on a search result page. Therefore, you want to see the source code of the search results page.

There are three approaches to filter results, using these keywords:

- *LinksMatching*: A list of links that DEVONagent should follow
- *LinksNotMatching*: A list of links that DEVONagent should skip
- *LinksStart, LinksEnd*: Define an area in the page source where DEVONagent should look for links
- *UseListingResults*: Should only the results on the search page be used?

You don't have to use all four of these. In our experience though, the more you specify the better your results will be even when the site changes its layout. Let's analyze this site in order to set as many of these parameters as possible.

When you think you've found good candidate strings, select these and try to see if they occur in other places using the find panel! In the case of this Web site, we found two candidates.

There is one odd thing about this Web site: the results listing doesn't contain any links! (This was actually the cause of the birth of the next keyword.) So we need to instruct DEVONagent to just use the listing results as the final results and not check any links.

All of these findings result in these values for our XML plugin:

- *LinksNotMatching* [String]: *
- *LinksStart* [String]: <td width="15%" align="right" bgcolor="#DAEBFE">Info
- *LinksEnd* [String]: Next page of results -->
- *UseListingResults* [Boolean]: Yes

TRYING IT OUT

At this point, the plugin is in a usable state, and we should give it a try, because writing plugins is an iterative process.

The easiest way to do this is to make an alias of the file into the folder: "/Users/<your login>/Library/Application Support/DEVONagent/Plugins".

Then (re-)start DEVONagent and open a new search window where you select "Acronym Finder" (click on the loupe icon in the search field to see this menu). Enter some text to search for, start the search and check the log pane:

- Do you see sites that occur frequently but convey no information? Add these (using wildcards) to the "LinksNotMatching", changing it's type to "Array". Also use "LinksMatching" and possibly adapt the values of "LinksStart" and "LinksEnd".
- Did you check if it will get results from different result pages? Adapt your "EngineUrl" and possibly use "EngineNextURL", or change other values related to these keywords.
- Are there a lot of recurring junk pages?

If you change the plugin, save your changes and restart DEVONagent. Then run your query again and check the log pane until you get satisfactory results.

FILTER RESULT PAGES

In the previous section we might have gotten links but we may not have gotten good data. You can check both the pages and digest panes in the [search window](#) to fine-tune your plugin. For this site, the result pages have a common format. Only then can you use the parameters in items 1 through 3!

- 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 useless topics that always occur for any search on a site.
- 5. *PostScan*: Scan the results for the string you where searching for.

In order 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 to extract these values. This is similar to the "LinksStart" and "LinksEnd" extraction process. The "NoTopics" list can be set when looking at the topics in the digest pane after you've done your searches. Any word that you think that should not be included, you can add to this list.

Some research results in these values for our XML plugin:

- *TextStart [String]*: `<td width="15%" align="right" bgcolor="#DAEBFE">Info`
- *TextEnd [String]*: `Next page of results -->`
- *NoTopics [Array]*: (Acronym, Finder)
- *PostScan [Boolean]*: No

Now we can rest back and relax with a cup of tea. We have created a fully functional, optimized plugin for DEVONagent that lets it find acronyms very quickly!

SEARCH SETS EDITOR

If you want to add your plugin permanently and select it on the "Plugins" tab, you can set a different value for the returned results. This will always override the value you entered in your plugin. Also, the values on the "General" tab of a search set will override the values you set in your plugin.

CONCLUSION

With the steps described in this tutorial, we hope you will 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 to work with. It helps to look at the additional plugins that come with the distribution of the application. And remember if you think your plugin is great for others, [share it with us](#) and we can optimize it together!

XML KEYS

XML based plugins use Apple's ".plist" file format and therefore it's possible to edit them using Property List Editor or any text editor like TextEdit, SubEthaEdit or Xcode/ProjectBuilder. DEVONagent loads all plugins inside its application package and those stored in the folder "`~/Library/Application Support/DEVONagent/Plugins`". If DEVONagent isn't able to load a plugin, the file is logged to the console.

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] The Internet address 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. Example:
"http://www.bbc.co.uk/cgi-bin/search/results.pl?
tab=news&start=_agentOffset_
go=homepage&q=_agentQuery_".

Note: Name, Info and Description are localizable. Specify a dictionary containing key/ string pairs for multiple languages. The key contains the name of the language, for example German or English.

ADDITIONAL KEYS

- *EngineNextUrl*: [string] The Internet address of the search engine 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.

- *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 browser windows.
- *Start*: [integer] The initial value for "_agentOffset_" (default: 0).
- *OffsetPerPage*: [integer] Increase for "_agentOffset_" after every page (default: 1).
- *ResultsPerPage*: [integer] Number of results per page and maximal value for "_agentNumber_" (default: 10).
- *RoundResultsPerPage*: [integer] Always round number of results per page ("_agentNumber_") to multiples of this value (default: 10).
- *EncodingUrl*: [string] Character encoding for search term "_agentQuery_" (default: Latin-1). Examples: "ISO-8859-1", "UTF-8", "ISO-8859-2", "Shift-JIS".
- *EncodingPage*: [string] Default character encoding for result pages (default: Latin-1). Examples: "ISO-8859-1", "UTF-8", "ISO-8859-2", "Shift-JIS".
- *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.

- *UseListingResults*: [Boolean] Treat the returned pages as results (and not as pages linking to the results). All "Links..." keys are unused in that case.
- *LinksMatching*: [string or array] Only links of the 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 the result pages not matching this string or these strings are used (prefix/suffix "*" wildcards are supported).
- *LinksStart*: [string] 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".
- *LinksEnd*: [string] 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 --".
- *ParseLinks*: [boolean] Parse and unify links of common search engines (Google, Yahoo, Alltheweb, Altavista & Ask Jeeves) (default: false).

- *TitleStart*: [string] 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).
- *TitleEnd*: [string] String marking the end of the range of the HTML source code containing the title of a page.
- *TextStart*: [string] 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.
- *TextEnd*: [string] String marking the end of the range of the HTML source code containing the relevant text of a page.
- *DateStart*: [string] 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 or wrong dates (for example a Usenet query using Google).
- *DateEnd*: [string] String marking the end of the range of the HTML source code containing the date of a page.

- *NoTopics*: [array] Array of strings to ignore in the topics list. Add site specific words here.
- *PostScan*: [Boolean] Tell DEVONagent to check if the retrieved pages match the search term (true) or to accept all (false) pages (default: true).
- *ReformatPreformattedText*: [Boolean] Usually DEVONagent 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 the result pages contain emails or Usenet postings. (default: true).
- *FilterJunk*: [Boolean] Enable or disable DEVONagent's Junk filter (default: true).
- *FilterSimilarPages*: [Boolean] Enable or disable DEVONagent's Similar Pages filter (default: true).
- *FollowLinks*: [Boolean] Enable or disable DEVONagent's Follow Links option (default: true).
- *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" and "AFTER".

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
- 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 "+"/"-"

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're 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 retrieves links using "LinksStart/LinksEnd", then filters them using "LinksNotMatching" and finally matches them against "LinksMatching".

Links vs. Results: "LinksStart/LinksEnd", "LinksMatching" and "LinksNotMatching" are used for pages listing the results, "TextStart/TextEnd", "TitleStart/TitleEnd", "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.

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LIST OF PLUGINS

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

In the list below, you also 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. Then when you use DEVONagent, the Web sites will recognize you as a returning user. You'll find a note in the plugin description if a site needs a log-in.

AUDIO & VIDEO

- *Internet Archive (Audio)*: Searches the audio archive of the Internet Archive. The Internet Archive is a database that archives texts, audio, moving images and software as well as archived Web pages and dates back to 1996.
- *Internet Archive (Movies)*: Searches the movies archive of the Internet Archive. The Internet Archive is a database that archives texts, audio, moving images and software as well as archived Web pages and dates back to 1996.
- *Singingfish (Audio & Video)*: Searches the audio and video archive of Singingfish.com. Singingfish is a search engine for multimedia files like Windows Media, Real Media, QuickTime and MP3.

BLOGS

- *2rss*: Searches RSS feeds using 2rss, these feeds are manually added to their directory. This may improve the quality of their search capabilities.
- *Bloogz*: Searches blogs using Bloogz. Bloogz is an RSS based search engine that continuously scans Web log RSS feeds.

- *Feedster*: Searches blogs using Feedster. Feedster indexes about 20 million feeds, including more than 75,000 professionally published sources such as the BBC, CNET, The New York Times, and Wired several times per hour.
- *Technorati*: Searches blogs using Technorati. Technorati indexes about 27.4 million blogs (as of February 2006), 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 Web sites bookmarked in Safari, OmniWeb , Camino or Firefox for the search query. You can use this plugin to create your private mini-Web with your bookmarks and search only this collection.
- *History*: Scans the pages you have visited recently with Safari or DEVONagent for the search query. Useful to search for something you remember you have seen recently but you cannot remember where.

COMPUTER SCIENCE

- *Apple Cocoa-Dev*: Searches Apple's cocoa-dev mailing list. Very useful if you do Mac OS X software development.
- *Apple Developer Connection*: Searches the Apple Developer Connection database, the number one source for Mac OS X developers.
- *Cocoabuilder*: Searches Apple & [Omnigroup](#) Cocoa mailing lists using Cocoabuilder. Very useful if you do Mac OS X software development.
- *Google Code Search*: Google Code Search helps you find function definitions and sample code by giving you one place to search publicly accessible source code hosted on the Internet.
- *Java Search*: Searches Sun's Java Info pages. A must-have for all Java developers. The Java info pages give developers access to a huge amount of information regarding Java products and technologies, API specs, code samples, documentation, blue prints, technical articles and community resources.
- *Koders (OSS)*: 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.

DIRECTORIES

- *Directories:* Queries a selection of major Web catalogs, namely Google.com, Yahoo.com and Dmoz.org. Use this plugin instead of querying all three catalogs separately.
- *Google Directory:* Searches the Google directory. For the Google directory, an editorial staff manually categorizes Web sites in ten major categories.
- *Open Directory:* Searches the Open Directory. The Open Directory (Dmoz.org) tries to be the largest free Web catalog.
- *WoW:* Searches the WoW catalog. WoW categorizes Web sites 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 fourteen main categories.

DISCUSSION LISTS

- *DEVONtech Forum:* Searches DEVONtechnologies' [online discussion forum](#). Find answers to your most pressing questions regarding DEVONagent & Co.

- *Lycos (Discussion)*: Searches e-mail discussion lists using Lycos.com. E-mail discussion lists were the predecessors of today's Web based forums and are still widely used for professional discussions, e.g., software development.
- *Topica (Email Lists)*: Search e-mail discussion lists that are hosted by Topica. E-mail discussion lists were the predecessors of today's Web based forums and are still widely used for professional discussions, e.g., software development.

EDUCATION

- *Google Scholar*: Searches for scholarly literature using Google Scholar. Google Scholar indexes scholarly literature across many disciplines and sources.
- *ResourceFinder*: Searches for material on the Resource Discovery Network. The Resource Discovery Network is the UK's free national gateway to Internet resources for the learning, teaching and research communities.

GOVERNMENT

- *FirstGov*: Searches for US government information using FirstGov.gov. FirstGov.gov is the official US gateway to all

government information, with millions of Web pages from federal and state governments, the District of Columbia and U.S. territories.

- *Google Government*: Searches public US government materials using Google Government search.
- *Journalists for Open Government*: Search for government-related materials using the Open Government platform. The Coalition of Journalists for Open Government tries to provide timely reports on efforts to achieve a free flow of information in the US.

IMAGES & PICTURES

- *Images*: Finds images using Google.com, AlltheWeb.com and Picsearch.com. Whatever image you are looking for, if it's on the Internet you should be able to find it.
- *Info (Pictures)*: Searches for pictures 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.

LEGAL

- *FindLaw*: Searches for legal materials using FindLaw. FindLaw is the highest-trafficked legal Web site, providing a comprehensive set of legal resources on the Internet for legal professionals, businesses, students and individuals.

MACINTOSH

- *Apple Knowledge Base*: Searches the Apple Knowledge Base , the #1 resource for finding technical information about Mac computers, the Mac Operating System and Apple software.
- *Macintosh Internet*: Searches Mac-related Web sites using Google's Mac speciality search.
- *Macintosh News*: Scans major Macintosh news sites, namely Macworld, Maccentral, Macminute, 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 visit over more than 800 Websites a day, looking for version changes to software titles that developers themselves don't submit.
- *VersionTracker*: Searches for software on [VersionTracker](#). VersionTracker claims to be the most up-to-date source of Mac (and Windows and Palm OS) software updates. The VersionTracker team tracks over 30,000 applications, with hundreds more being added every week.

MEDICAL

- *Clinical Trials*: Searches for materials on [ClinicalTrials](#). ClinicalTrials provides regularly updated information about US 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.
- *Medscape*: Searches for health-related materials using [Medscape](#). Medscape offers specialists, primary care physicians and other health professionals the Web's most robust and integrated medical information and educational tools. You'll need to register with their site to be able to use this plugin.
- *Nucleotide*: Searches the [PubMed Nucleotide database](#). The PubMed Nucleotides database is a collection of sequences from several sources, including GenBank, RefSeq and PDB.
- *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 Web sites and automatically compile a news portal using the found data.
- *Highbeam*: Searches for news using [HighBeam](#). HighBeam delivers sophisticated research tools with convenient access to the free Web, paid online services and its own proprietary databases.
- *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.
- *International News*: Searches for news on a combination of major world news sites using [Google News](#) and [AllTheWeb News](#). Use this plugin if you don't want one news portal dominating your view on the world.

- *Newsday*: Searches for news articles using [Newsday](#). Newsday is one of the US's largest daily newspapers, serving Long Island and New York City through its print editions, its Web sites and through TV and radio news and features.
- *NewsIndex*: Searches for news using [News Index](#). News Index indexes news sources from around the world, as long as the source provides timely information and is not an obvious spoof. News Index indexes current articles only, it is not an archive.
- *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 Weblog 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. These are categorized by geography and subject.

- *Yahoo:* Searches for news on [Yahoo News](#). Yahoo uses its own search engine to scan important news Web sites 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

- *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.

- *Gutenberg*: Searches for literature in the German-language (!) [Project Gutenberg](#) database of free electronic books, hosted by Spiegel Online.
- *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 environment at the University of Michigan School of Information.
- *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 Peque o Glazier and Charles Bernstein.
- *Wikipedia*: Searches for articles in the free online encyclopedia [Wikipedia](#). The content of Wikipedia is free, written collaboratively by people from all around the world. Begun in 2001, Wikipedia has rapidly grown into the largest reference Website on the Internet.

Dictionaries

- *Acronym Finder*: Searches [Acronym Finder](#), the world's largest and most accurate dictionary of acronyms, abbreviations and initialisms.
- *Bartleby*: Searches [Bartleby](#), an Internet publisher of literature, reference and verse providing students, researchers and the intellectually curious with access to books and information on the Web.
- *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.

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.
- *Chemie.de*: Searches for materials using [Chemie.de](#). Chemie.de provides Internet-based information services that offer easy access to hard-to-find information; this is of particular benefit to small and medium-sized companies.
- *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.
- *DAREnet*: Searches for scientific publications using [DAREnet](#). DAREnet indexes the local collections of digital documentation held by all the Dutch universities and several related institutions.
- *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 Web pages.
- *SciSeek*: Searches for materials using [SciSeek](#). SciSeek sees itself as a guide to the best the Internet has to offer in the fields of science and nature.
- *SMEALSearch*: Searches for materials using [SMEALSearch](#). SMEALSearch is a niche search engine for academic articles and commercially produced articles and reports.

SEARCH

- *Alexa*: Searches the Web using [Alexa](#). Alexa is a search engine that uses its own browser toolbar for generating traffic rankings.

- *Ask*: Searches the Web using Ask.com. Ask.com is a [Teoma](http://Teoma.com) powered search engine that adds a new dimension to search results - authority. Teoma analyzes the Web as it naturally occurs, in its subject-specific communities.
- *Beaucoup*: Searches the Web using [Beaucoup](http://Beaucoup.com). Beaucoup (French for "many", "much") is a meta search engine for more than 2,500 Web search engines.
- *Complete Planet*: Search the Web using [Complete Planet](http://Complete Planet.com). Complete Planet is a search engine that help you find other databases and speciality search engines.
- *Dogpile*: Search the Web using [Dogpile](http://Dogpile.com). Dogpile is a meta search engine compiling results from [Google](http://Google.com), [Yahoo](http://Yahoo.com), [MSN](http://MSN.com) and Ask.com.
- *Excite*: Search the Web using [Excite](http://Excite.com). Excite is a meta search engine for more than 75 search engines.
- *Fybersearch*: Searches the Web using [Fybersearch](http://Fybersearch.com). Fybersearch is a relatively new Web search engine.
- *Galaxy*: Searches the Web using [Galaxy](http://Galaxy.com). Galaxy is a search engine and Web catalog that employs Masters of Library Science who manually classify and organize the information.
- *Gigablast*: Searches the Web using [Gigablast](http://Gigablast.com). Gigablast is a search engine "with one of the largest and freshest indexes in

the world, that has recently joined the elite ranks of major search engine companies."

- *Google*: Searches the Web using [Google](#). Google is famous for ranking Web sites by the number of other sites linking to it. Google is now widely recognized as the world's largest search engine.
- *Icerocket*: Search the Web using [Icerocket](#). Icerocket is a privately owned search engine based that also searches blogs.
- *IncyWincy*: Searches the invisible Web using [Incywincy](#). IncyWincy is a meta search engine.
- *Info*: Search the Web using [InfoSpace](#). InfoSpace is a meta search engine as well as yellow and white pages directory for the US.
- *Internet*: Searches the Web using the best and most comprehensive search engines, namely [Google](#) , [Yahoo](#) and [MSN Search](#).
- *Lucky Guess*: Scans URLs derived from the search term. Very useful if you are looking for a company or a product Web site.
- *MSN*: Searches the Web using [MSN Search](#) , [Microsoft's](#) Web search engine. MSN Search is considered to be one of three major Web search engines.

- *Pandia*: Searches the Web using [Pandia](#). Pandia is a portal to multiple other search engines and directories including [Google](#).
- *Scrub The Web*: Searches the Web using [Scrub The Web](#). Scrub The Web is a Web search engine that does not use only popularity for ranking Web sites but content-related ranking mechanisms.
- *SearchSight*: Searches the Web using [SearchSight](#). SearchSight is a Web search engine that features a manually edited index.
- *Thunderstone*: Searches the Web using [Thunderstone](#). Thunderstone continuously surveys all primary COM, NET, ORG and EDU Web servers and indexes their contents to produce the database. It is an index of sites, not pages. It is good at finding companies and organizations by purpose, product, subject matter or location.
- *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*: Searches the Web using AltaVista. AltaVista is a search engine that was bought by Yahoo! and is used by Yahoo!
- *Wisenut*: Search the Web using [WiseNut](#). WiseNut is a [LookSmart](#) based search engine. Like [Teoma](#) , WiseNut

automatically clusters search results, a technology called WiseGuide.

- *Wotbox*: Searches the Web using [Wotbox](#). Wotbox is a new, independent search engine that has been in development since October 2002 and has been live since July 2003. The size of the index has intentionally been kept down to only 10 million selected priority pages.

Czechia

- *Czech Internet*: Searches the Web using a combination of major Czech-Republic-centric search engines, namely [Atlas](#), [Quick](#) and [Seznam](#).
- *Czech Metacrawler*: Searches the Web using a combination of some smaller Czech-Republic-centric Web catalogues, namely [Centrum](#) and [Idnes](#).

German

- *German Internet*: Searches the Web using a combination of major Germany-centric search engines and Web catalogues, namely [Google.de](#), [Yahoo.de](#), [Excite.de](#) and [Web.de](#).

- *Seekport.de*: Searches the Web using [Seekport](#). Seekport is a new Web search engine that uses both new ranking mechanisms, as well as a human quality insurance team. This plugin was designed specifically for the German site.

Meta

- *A9*: Searches the Web using [A9](#). A9, a subsidiary of [Amazon](#) , is a meta search engine that searches Amazon and other Web sites.
- *ez2find*: Searches the Web using [Ez2Find](#). Ez2Find is a metasearch engine that gathers results from [AlltheWeb](#), [Teoma](#), [Google](#), [Yahoo](#), [AltaVista](#), [Wisenut](#), [ODP](#) and [MSN](#).
- *ixquick*: Searches the Web using [Ixquick](#). Ixquick is a metasearch engine that searches many popular search engines at the same time.
- *Mamma*: Searches the Web using [Mamma.com](#). Mamma.com calls itself the "mother of search engines" and is a meta search engine that searches multiple other search engines.
- *Search*: Searches the Web using [Search.com](#). Search.com searches [Google](#), [Ask.com](#), [LookSmart](#) and dozens of other leading search engines.

- *SearchEngineGuide*: Searches the Web using SearchEngineGuide. SearchEngineGuide is a meta search engine that indexes multiple other search engines.

LIST OF SCANNERS

Scanners do not query search engines but filter Web pages by formal criteria. For example, they can filter all pages that don't contain links to images or Office documents, or pages that don't contain e-mail addresses. Use scanners to restrict search runs for example to RSS feeds, pages with linked documents or to thumbnail galleries. Filter out all pages that do not match a scanner.

Also, scanners are used in the [objects drawer](#) to filter out certain elements and display them in a nicely arranged list.

FOR SEARCH SETS

By default, DEVONagent comes with the following scanners that you can use in [search sets](#), ["General" tab](#), and in the objects drawer of [Web browser windows](#).

- *Email Addresses*: Looks for e-mail addresses and recognizes even non-linked and scrambled addresses like "info at devon-technologies dot com".
- *Embedded Multimedia*: Looks for embedded multimedia objects like audio, video, movies, streams, or Flash animations.

- *Linked Audio files*: Looks for linked audio files and audio streams.
- *Linked BibTeX & LaTeX*: 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, EPS, Adobe Illustrator, DOT, Microsoft Office and text documents.
- *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. Lets pass all pages containing (usually little) images linked to (usually larger) image files a.k.a. thumbnail galleries.
- *Wallpapers*: Looks for desktop background pictures.
- *Webcams*: Looks for Web cams.

OBJECTS DRAWER ONLY

The following scanners are only available in the objects drawer of Web browser windows.

- *All Links*: Extracts all links from the page.
- *Embedded Images*: Extracts all embedded images from the page, i.e., images that are not linked but rendered with the page layout.

LOG MESSAGE CODES

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

HTTP ERROR CODES

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

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

DEVONAGENT ERROR DESCRIPTIONS

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

- *Lookup failure:* Domain of Website not found
- *Unknown data:* No HTML or text content
- *No content:* Page does not contain any text
- *Too big:* Page is larger than the maximum size defined in the [preferences, "Search" tab](#)
- *No match:* Page does not match the query term
- *Filtered by scanner:* Page did not pass the selected scanner
- *Only links:* Only links matching the query term found (if "Follow Links" option is activated)
- *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](#).
- *Language:* Page does not match the language selected in the language filter
- *Identical:* Identical page with different URL already found

- *Similar*: Similar page (page with different layout but similar text) with different URL already found (if "Similar Pages" filter is activated)
- *Archived*: Identical page has already been archived (if "Archived Pages" filter is activated)
- *Junk*: Page contains almost no useful information (if "Junk" filter is activated)
- *Skipped*: Domain was skipped because it matches one or more entries in the list of unwanted sites
- *SPAM*: Page tried to fool search engines but doesn't match the query term without those tricks
- *Advertisements*: Link or frame probably contains only advertisement or banners

GLOSSARY

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

INTERFACE ELEMENTS

- *Contextual Menu*: The menu that appears when you Control-click (or right-click) something; the Contextual menu gives you access to frequently used commands that deal directly with the clicked object. Read more about the available contextual menus in the [Windows](#) chapter.
- *Plugin*: Modules that act as the connector between DEVONagent and search engines. Each plugin is the interface for one or more search engines. In addition, plugins can extend DEVONagent with other functionality, e.g., scanners. DEVONagent knows two types of search engine plugins: Cocoa-based (compiled) plugins and XML-based plugins that can be written using a simple text editor without deep programming knowledge. [See also p. 227ff](#)
- *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. 250ff](#)

- *Search Window*: A window in DEVONagent that lets you select a search set, type in a query, start the search run, and finally view the search results. [See also p. 129ff](#)
- *Topics*: A list of words extracted by DEVONagent from the search results. Generally the most important words found in the found documents. Topics can be selected in the search window to focus the visualizer to this topic. [See also p. 129ff](#)
- *Visualizer*: A graphic representation of topics and their relationships. Looks like a "spider web" with "bubbles" for each represented topic. [See also p. 129ff](#)

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. 58ff](#)
- *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 parenthesis. [See also p. 57ff](#)
- *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 emulates this human-computer interaction with plugins.

- *Search Result*: A pool of documents or links to documents, e.g., web pages, 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 conducts a search run. Search sets contain, e.g., 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 done. See also p. 68ff
- *Search Term*: See above: Query. See also p. 57ff

TECHNOLOGY

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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.

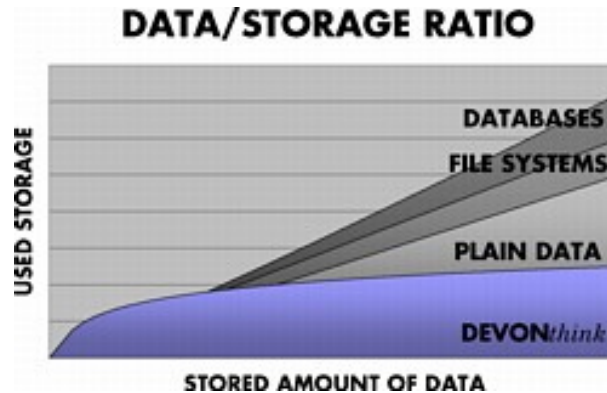
GENERAL CONCEPT

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.

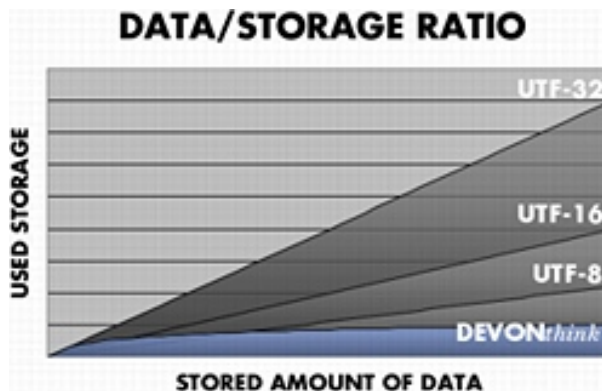
FEATURES

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 grows logarithmically and indexing is completely unnecessary. The break-even point in the picture above, where the DEVONthink line crosses the others, depends

mainly on the type of the stored data. For example, it will be reached much earlier when storing HTML or RTF, compared to plain text or even pictures.



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, staticstics, 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.devon-technologies.com.

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

AT A GLANCE

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](#)
- [DEVONnote](#)

All applications are based on the DEVONtechnology, a powerful and solid core unique to DEVONtechnologies. DEVONthink, DEVONnote, and DEVONagent are only the first of many more DEVONtechnology-applications yet to come.

Also, we publish and distribute useful shareware and freeware applications that help you in your everyday work with your Mac.

- [Desktop Transporter](#)
- [PhotoStickies](#)
- [Freeware applications and Services](#)

NEWSLETTER & 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 DEVONthink & Co.

DEVONTHINK

Make the dream of the paperless office come true with DEVONthink and keep all your text and RTF files, scanned documents, notes, emails, images, chat logs, bookmarks, and multimedia files together in one simple to use database. DEVONthink allows you to integrate both local documents and live content from the Internet, keeping all project- related information stored in one easy-to-access place.

WHY DEVONTHINK?

DEVONthink not only stores documents, it also facilitates editing, analyzing, organizing, finding, and archiving your documents with its flexible work environment, powerful organization tools, and built-in AI architecture.

INTEGRATED WORKSPACE

Unlike Mac OS X's Finder, DEVONthink provides an integrated work environment with all the tools you need for working with information of all kinds, from simple text to PDFs and multimedia files. DEVONthink

can intelligently assist you with filing documents, finding similar files, or searching the database, saving you the trouble of having to manually manage thousands of files.

As a native Mac application, DEVONthink is also tightly integrated with the Mac OS X operating system and its frameworks. It provides a dock menu, Services menu commands, and even makes heavy use of the Safari web browser engine and Mac OS X 10.4 Tiger's advanced PDF library.

A PAPERLESS LIFE

DEVONthink Pro Office comes with a number of 'paperless office' functions not present in other editions of DEVONthink:

- Advanced email archiving
- Scanner support including optical character recognition and special support for the Fujitsu ScanSnap
- Integrated Web server for sharing information with other users

[Click here to read more about DEVONthink.](#)

DEVONAGENT

DEVONagent overcomes all the shortcomings that make Google & Co. such a pain to use for serious research projects. With more than 130 plug-ins for popular search engines, DEVONagent has scientific databases and research tools, and predefined search sets that you can use right away with amazing results. The application also has a clean, easy-to-use user interface. All this and more make DEVONagent the number one tool for finding information on the web with a Mac.

WHY DEVONAGENT

DEVONagent is much more than just an interface for web search engines; it helps you find, collect, and organize information with a powerful and flexible search architecture. It also has a simple to use built-in archive, and tight integration with DEVONthink. DEVONagent creates summaries, acts as a fast and lean web browser, and shows all items of interest in a separate drawer. DEVONagent is the easiest way to look for information on the web.

DEVONTHINK COMPANION

DEVONagent is the perfect extension to your DEVONthink database. With DEVONagent you can save found information directly to your database as plain or rich text, as a web archive, or as a PDF—all with a single click of your mouse. You can then use DEVONthink's intelligence to organize this newly collected data conveniently and quickly.

WHAT YOU CAN USE IT FOR

There are many different ways to use DEVONagent and to integrate it into your workflow. Some examples include:

- Journalists, who use DEVONagent to collect hot news, and who use copy-and-paste to transfer the summary to the word processing program of their choice. 'See Also' and DEVONagent's intelligent filters also help journalists eliminate junk information and/or duplicate or irrelevant pages on-the-fly.
- Analysts, who need to stay up-to-date with everything that happens in their industry. With DEVONagent they define their own search sets that return exactly what they're interested in, storing the key information in the integrated archive.

- Scientists and students, who directly access specialized databases, scan important websites, and receive relevant news via RSS. These users then transfer the most interesting articles as web archive, plain text, RTF, or PDF files into DEVONthink with a single click of the mouse.
- Lawyers, who wish to stay up-to-date with new laws, precedence setting cases and interpretations, and with their main clients. DEVONagent's scheduler does this automatically, letting the lawyers concentrate on their work, instead of searching the web for information.
- Home users, who are interested in genealogical research, finding desktop pictures, searching for long-lost friends, or simply using DEVONagent as a high-end interface for Google and MSN Search.

[Click here to read more about DEVONagent.](#)

DEVONNOTE

DEVONnote helps you take notes and keep them organized. It keeps all your ideas, documents, important information, and even your web browser's bookmarks in one single, accessible place. DEVONnote supports you with professional, easy-to-use features, and helps create structure out of chaos with its unique AI functions.

DEVONnote is the most sophisticated notepad application for Mac OS X, and the only one that uses AI (artificial intelligence) instead of relying on you organizing your data completely manually.

WHY DEVONNOTE?

DEVONnote was designed with the typical Mac user in mind—a user who is:

- Creative
- Savvy (whether at work or at home)
- Desiring quality software

Consequently, DEVONnote comes with a clean, easy-to-use interface that gives you all the tools you need in a familiar Mac-like package. Even the most complex AI functions are just »buttons«, meaning one simple click can send DEVONnote into action, digging through all of your data to find a place for your latest note, or to show you all your ideas and concepts that are similar to the one you've just selected.

BRAIN FOOD INCLUDED

Of course, creative people don't just 'have thoughts', they often need new inspiration, too. We understand that, and that's the reason why DEVONnote comes with a complete Safari-based web browser and solid, but flexible, bookmark-managing capabilities. With DEVONnote, you can browse your favourite websites, then clip and save the most important information directly to your DEVONnote notebook.

But, of course, life is not just work! Use DEVONnote to watch and organize your favorite webcams, directly within your notepad.

[Click here to read more about DEVONnote.](#)

DESKTOP TRANSPORTER

Connect to any Mac that shares its desktop, and control it from your machine. Switch between all screens attached to shared Macs and use copy/paste to transfer text and graphics between the local and the remote machine. Bonjour support makes it easy to discover shared machines on your local area network, and password protection keeps your data away from unauthorized eyes.

What you can do with Desktop Transporter:

- Find Macs that share their desktop(s) via Bonjour. Password protect your Macs to keep them secure.
- A Mac like interface with a convenient menu extra makes sharing Macs and controlling them easy.
- Display the desktops of remote Macs either in scalable windows, or switch to fullscreen mode to work completely remotely.

The top features at a glance:

- Share your Macs on your local area network or on the Internet
- Discover shared Macs via Bonjour
- Access all screens connected to a shared Mac

- Fullscreen mode
- Access other user accounts without using Fast User Switching
- Copy and paste of text and graphics
- Use a non-US keyboard (unlike, e.g., with VNC)
- Mac-like user interface
- Can run as a menu extra

[Click here to read more about Desktop Transporter.](#)

NEEDFUL THINGS

EASYFIND

As an alternative to-or supplement of-Sherlock, EasyFind finds files, folders, or contents in any file without the need for indexing. This is especially useful if you are tired of slow or impossible indexing, outdated or corrupted indices, or if you are just looking for missing features like case sensitive or insensitive search, Boolean operators, wildcards, or searching for phrases. In addition, EasyFind uses multi-threading and is therefore very responsive, even with multiple search processes running. The application provides contextual menus and Mac OS X Services, and displays the location of each item in a separate column for a better overview. EasyFind uses little memory, supports drag-and-drop and the clipboard, and optionally finds invisible items or items within packages.

PHOTOSTICKIES

PhotoStickies puts all your favorite pictures on your desktop, as stickies, floating or even borderless. Sticky pictures may reside on your computer, or on the Internet. PhotoStickies also displays live webcams on your desktop, updates them automatically, and even records them like a VCR.

Key features:

- Displays all image formats supported by Mac OS X
- Displays local images, pictures located on the Web or webcams
- Shows images as stickies or as desktop wallpaper
- Many live effects, e.g. alpha channels, transparency, color corrections
- Savable states
- Internet-based list of new webcams
- Can run as a menu extra

THUMBSUP

ThumbsUp is a simple, drag-and-drop based utility designed to create thumbnail images from batches of pictures. (The application supports all Mac OS X and QuickTime image formats, including PDF documents.) Image size, quality, sharpening, and antialiasing are configurable, and images can be scaled by percentage or limited to a maximum size. With a scaling of 100 percent, ThumbsUp may be used as an ultra-fast, comfortable image converter.

Use ThumbsUp to quickly create thumbnails, e.g., for using on your Web site or for sending by email.

XMENU

XMenu brings back Mac OS 9's Apple menu back from the dead, adding its functionality to Mac OS X. One or more global menus to the right side of the menu bar let you easily access your preferred applications, folders (and subfolders), documents and files. Furthermore, there's no explicit need for a configuration (like creating lots of folders and aliases or adding items to user-defined setups)-just activate the menus you like: Applications, Developer Applications, Home, Documents, or User-Defined (like the old Apple menu found in Mac OS 9).

FREWARE SERVICES

Besides the full-blown freeware applications, DEVONtechnologies also offers a variety of useful services that extend the functionality of Mac OS X's Services menu and that allow Cocoa applications like TextEdit or DEVONthink to open PDFs like simple RTF files. These services include:

- BlueService
- CalcService
- HotService
- PDF2RTFService
- WordService

Also, HotService installs a second Services menu right in the top level of the menu bar, next to the Window menu. Note: This Services menu is only visible in true Cocoa applications such as TextEdit, Mail, or DEVONtechnologies' applications.

[Click here to read more about DEVONtechnologies' freeware applications and services.](#)