



# Tech Info Library

## AppleSearch 1.0.1: Product Details, System Requirements (7/94)

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### TOPIC -----

This article contains AppleSearch product details, system requirements, and licensing and ordering information.

### DISCUSSION -----

#### AppleSearch Client

The Client software provides electronic Reporters and newspaper-like updates as an intuitive way to retrieve information when it is needed. You create an AppleSearch Reporter to search for information on a specific topic. The AppleSearch Reporter searches all selected information sources on the AppleSearch server for key words in a query, then quickly provides a list of documents that are relevant to the query ranked from one to five stars.

You can choose to view the text of each document, or you can retrieve the full document in its original format. AppleSearch can display the Reporter's results in an update created automatically, on a regular basis, and delivered to a specified location on a hard disk. The Reporters can be saved to use again or to share with colleagues.

#### AppleSearch Server

The Server software has a feature-rich search engine from Personal Library Software that processes the queries of AppleSearch client users. For each information source, AppleSearch maintains an index of all potential query terms in the document and their relationship to each other. You can index an information source immediately or schedule incremental indexing so that users always have access to the latest information. The Server software maintains a list of all Reporter names, organized by user ID. Once created, Reporters reside on the server and their users can access and use them over a local network or remotely by using Apple Remote Access.

#### Product Details

##### Setup and Configuration

- AppleSearch is quick and easy to install. You simply double-click the Installer icon on your Setup disk for both the Client and the Server.

- Supports up to 50 users.

#### Information Sources

- Any shared folder on an AppleSearch server volume.
- Users can make information available to be searched and retrieved by dragging document files into shared folders on the server.
- Can reside on any locally mounted volume such as a hard drive or CD-ROM.

#### Indexing

- For each AppleSearch information source, AppleSearch indexes all documents and creates an index file of query terms.
- Indexes information sources at 10-30 megabytes/hour (depending on the type of computer used for the server and the file format of the documents).
- The network administrator can schedule incremental indexing to occur automatically at hourly, daily, or weekly intervals. Portions of an index will be updated when documents are modified in the corresponding info source.
- Performs automatic compacting to reorganize the index and release unused disk space.
- Typically requires the same amount of disk space as the text of the content itself.
- A CD-ROM can be made AppleSearch-ready simply by pre-indexing its content.

#### Document Independence

Apple's XTND file format translator technology in conjunction with MacLinkPlus/AppleSearch, from DataViz, Inc., is used for AppleSearch indexing, searching and retrieving. It allows AppleSearch users to view the text of nearly all document types without using the application that created it.

The following translators are included with AppleSearch server software: MacWrite versions 4.5, 5.0, and II; Microsoft Word for Macintosh version 3.0, 4.0, 5.0, and 5.1; Microsoft Works (word processing) versions 2.0 and 3.0; FrameMaker MIF versions 2.0 and 3.0; PageMaker version 4.0; Ragtime version 3.1; Apple Works; WriteNow versions 2.0 and 3.0; Nisus version 3.0; and PICT. Additional translators are available from third-party developers.

#### Reporters and Updates

- Reporters contain search criteria defined by the user; once saved, they reside on the server and can be scheduled to periodically search and retrieve information relevant to the search request.
- Results found by a scheduled reporter are automatically formatted in an easy-to-read update and delivered to users on the days and times they specify.
- The Import/Export Reporter feature allows users to share Reporters.

#### Security

- Provides password logon to the server.
- Manages search requests based on the user access privileges associated with the security features of AppleShare or Macintosh System 7 file

sharing.

- Allows guest users to conduct on-demand searching.

#### Query Features

- Natural language processing—allows users to process queries in their own words and get effective results.
- Relevancy ranking—assigns a ranking to each document according to its relevance to the search query.
- Co-occurring words—displays words that frequently co-occur with a query term.
- Stemming—searches for variations of the root query term.
- Proximity—searches for words within a certain number of words.
- Phrase searching—searches for two or more words next to each other.
- Wild string—searches for part of the search term.
- Boolean operators (and, or, not) supported.

#### AppleSearch Client Developer's Kit

The Client Developer's Kit is for developers who want to write custom client interfaces to the AppleSearch server or integrate AppleSearch functionality with other applications. The API comes in C Library and Apple events versions. The kit includes several header and object files, developer documentation, and a sample application with source code. With this kit you also get the AppleSearch Update File Format Developer's Kit, which includes utility routines

#### System Requirements

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##### AppleSearch Server

To set up an AppleSearch server, you need:

- An Apple Macintosh computer with a 68040 microprocessor, a Power Macintosh computer, or a Workgroup Server
- At least 8 megabytes (MB) of RAM (for use with Macintosh system software version 7.0 or later, or with AppleShare 3 software); 12MB of RAM (for use with AppleShare 4 software); or 16MB of RAM (for use with AppleShare Pro software)
- An Apple SuperDrive floppy disk drive
- An internal hard disk with available storage space equivalent to two-and-a-half times the space required for textual content of the source being indexed
- AppleSearch Server software and the AppleSearch Update File Format Reference, needed to write software that can read and write AppleSearch-compatible updates.

##### AppleSearch Client

To set up an AppleSearch client, you need:

- Any Macintosh computer with an internal hard disk and at least 4MB of memory
- Macintosh system software version 7.0 or later
- An Apple SuperDrive floppy disk drive
- A hard disk drive
- AppleSearch Client software

#### Network Requirements

To set up a network with AppleSearch you need:

- AppleShare or the Macintosh file-sharing feature (AppleShare can be purchased to provide a higher performance configuration that allows a larger number of users. AppleSearch is compatible with AppleShare 3, 4, and Pro.)
- AppleTalk software and an AppleTalk network connection (LocalTalk, EtherTalk, TokenTalk, or Apple Remote Access)

#### Licensing and Ordering Information

##### AppleSearch Server/Client 5-Pack

Order No. M2136Z/B

With your order, you receive:

- AppleSearch Server software
- The AppleSearch Administrator's Guide
- AppleSearch Client software
- 5 copies of the AppleSearch User's Guide
- User license to make up to 5 copies of the AppleShare Client software

##### AppleSearch Client 10-Pack

Order No. M1588Z/A

With your order, you receive:

- AppleSearch Client software
- 10 copies of the AppleSearch User's Guide
- User license to make up to 10 copies of the AppleShare Client software

#### Article Change History:

22 Jul 1994 - Changed title to reflect product version number.

28 Apr 1994 - Updated to AppleSearch 1.0.1

#### Support Information Services

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