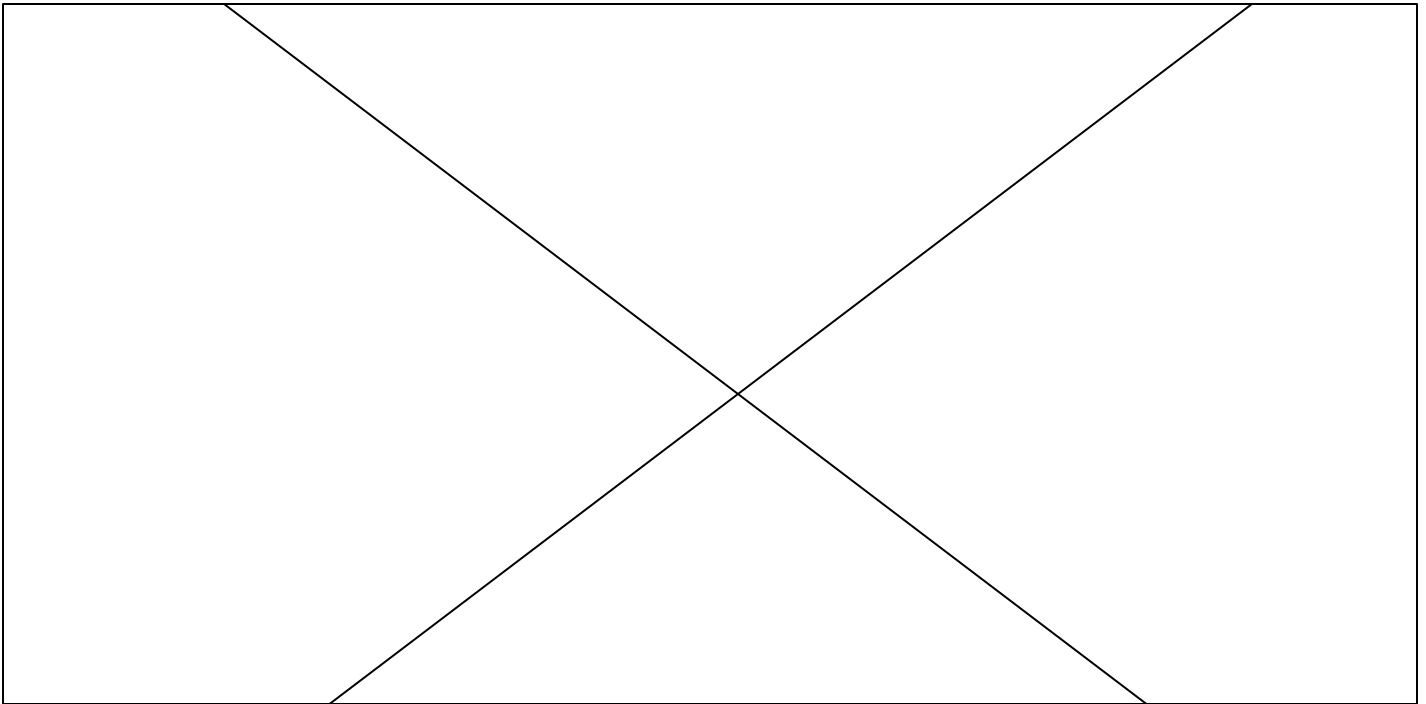# AppleSearch

AppleSearch offers a powerful yet easy way for Macintosh users to access information on a server by providing full text search and retrieval. Client users can gain instant access to information on a selected topic or they can let AppleSearch act as a personal agent that periodically provides updated information.

Both beginners and expert users will benefit from a wide range of query features. Because AppleSearch recognizes and processes natural language search queries, users can find information on specified topics as easily as if they had a personal research librarian. They can also search for a particular phrase or for terms that occur frequently with a search query term. For users familiar with Boolean query language, AppleSearch supports the full range of Boolean operators.

The AppleSearch search engine creates an inverted index for each set of documents, allowing users to conduct searches quickly. The engine ranks documents in order of relevance to the search criteria, presenting the most meaningful information at the top.

AppleSearch gives users transparent access to documents in folders on the server so that they don't need to know the document's format or source. XTND file format translators extract plain text from various document types so that AppleSearch clients can view the text regardless of the document's original format. Indexes can be created from documents in shared folders (information that is internally generated or from on-line feeds). Indexes can also be created from information on a disk drive or CD-ROM.

AppleSearch is a client and server workgroup product that allows users to conduct personalized and concurrent information searches to the same server. Besides sharing server resources, group members can share search agents, ensuring consistent information flow. Together or individually, AppleSearch users have information access on demand.

## Benefits

**Easy to use full text search and retrieval for workgroups**
> Is implemented as Apple client/server software
> Allows search queries to be entered in a natural language

**Powerful**
> Offers a full-featured search engine
> Provides the ability to create Boolean queries

**Easy to administer**
> Provides automated indexing of information sources
> Can be quickly set up

**Transparent access to unstructured documents**
> Can search within various information sources
> Can view text independently of the applications that created it

**Personalized information on an as-needed basis**
> Results delivered by personal reporters on an immediate or scheduled basis
> Customized newspapers delivered according to a scheduled search

**Easy-to-read, prioritized information**
> Provides quick accessibility of the most relevant document titles in a search
> Creates a relevance-ranked list of documents titles or a self-formatting newspaper

**Can be customized**
> Can be adapted to meet an organization's changing needs

Enter a search query, and let AppleSearch search for you.

Search options allow you to regulate the ranking, number of documents returned, and the dates to be searched.

The related terms feature helps to expand the search.

You will quickly see a list of documents ranked according to their relevance to the search criteria.

Get immediate results...

...or schedule the delivery of a personalized newspaper.

You can choose to view the text of a document or retrieve it in its original format.

View a personalized newspaper...

## AppleSearch Client

The Client software provides electronic reporters and newspapers as an intuitive way to retrieve needed 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 keywords in a query, then quickly provides a list of documents that are relevant to the query ranked from 1 to 5 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 a newspaper created automatically, on a regular basis, and delivered to a specified location on a hard disk. The electronic reporters can be saved to use again or to share with colleagues.

...or use the Table of Contents feature to review a list of all article titles.

### Setup and Configurartion
> AppleSearch is quick and easy to install. You simply double-click the Installer icon on your Setup disk and restart your computer.

### Indexing
> For each AppleSearch information source, AppleSearch creates an inverted file of query terms.
> AppleSearch indexes information sources at 10-15 megabytes/hour (depending on the type of computer used for the server).
> Users can index information sources or schedule indexing to occur automatically at hourly, daily, or weekly intervals.
> AppleSearch performs index compacting to reorganize the index and release unused disk space.

### Security
> AppleSearch provides password logon to the server.
> Using the security features associated with AppleShare or Macintosh file sharing, AppleSearch provides users with access privileges to information sources at the folder and nested folder levels.

### Information Sources
> An AppleSearch information source is any shared folder on an AppleSearch server attached to a locally mounted volume.
> Users can make information available to be searched and retrieved by dragging document files into shared folders on the server.
> An AppleSearch server can provide access to over 20,000 document files per server volume.

### Query Features
> Reporters–immediately or periodically searches and retrieves information relevant to the search criteria
> Import/Export Reporter–allows users to share reporters
> Relevancy ranking–assigns from one to five stars to each document according to its relevance to the search query
> Related terms–displays words closely associated with a query term and allows you to copy and paste them into a search query
> Term expansion–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 (proximity of one)
> Wild carding–searches for part of the search term
> Query by example–allows cutting and pasting of a term or phrase from a document
> Full Boolean operators

### Document Independence
Apple's XTND file format translator technology allows AppleSearch users to view the text of nearly all document types without using the application that created it. A basic set of translators is included with AppleSearch server software. Additional translators are available from third-party developers.

### Guest Mode
AppleSearch allows guest users to create reporters for immediate searching.

### AppleSearch Newspaper Format Developer's Kit
The Newspaper Format Kit includes utility routines and the Newspaper Format Developer's Guide, needed to write software that can read and write AppleSearch-compatible newspapers.
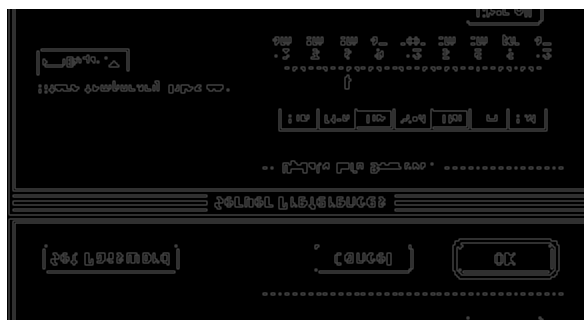
### AppleSearch Client Developer's Kit
The Client Developer's Kit is for developers who want to write custom user interfaces to the AppleSearch server. The API comes in C Library and AppleEvents versions. The kit includes several header and object files, developer docu-mentation, a sample application with source code, and a set of test tools. The kit also includes the AppleSearch Newspaper Format Developer's Kit.

Server administration is easy.

Make information sources available to AppleSearch users with the click of a button.

Automatic indexing updates information sources according to a specified schedule.

## AppleSearch Server

The Server software has a feature-rich search engine that recognizes and 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 the information source immediately or schedule indexing so that users always have access to the latest information. The Server software maintains a database of all reporters, where you can access and use them over a local network or remotely by using AppleTalk Remote Access.

# AppleSearch

## System Requirements

**AppleSearch Server**

*To set up an AppleSearch server, you need*

> an Apple Workgroup Server 60, 80, or 95 (file and print configuration), a Macintosh Quadra, or a Centris 610 or 650

> Macintosh system software version 7.0 or later (If you're using an Apple Workgroup Server, note that AppleSearch runs in the Macintosh OS partition of the server operating system.)

> 8 megabytes (MB) of memory to run concurrently with AppleShare (The AppleSearch server software requires a 4 MB partition.)

> AppleSearch Server software

> additional XTND translators for document format support other than what Apple provides

**AppleSearch Client**

*To set up an AppleSearch client, you need*

> any Macintosh computer with an internal hard disk and at least 4 MB of memory

> Macintosh system software version 7.0 or later

> 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 4.0 and AppleShare Pro.)

> AppleTalk software and an AppleTalk network connection (LocalTalk, EtherTalk, TokenTalk, or AppleTalk Remote Access)

## Licensing and Ordering Information

*For information about licensing please contact*
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Apple Computer, Inc.
20525 Mariani Avenue, M/S 35-AE
Cupertino, CA 95014 U.S.A
Telephone: 408-974-2320
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> the *AppleSearch Server User's Guide*

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> the *AppleSearch Client User's Guide*

**AppleSearch Client 10-pack (license extension)**
Order No. M1588Z/A

Allows a user to make up to ten (10) copies of the AppleSearch Client software for use on Apple computers owned or operated by that user's organization.

**AppleSearch Client User's Guide**
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**AppleSearch Server User's Guide**
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