

NCSA Mosaic



NCSA Mosaic is an Internet navigation and data retrieval tool. It makes access to network information as easy as clicking a mouse button. Mosaic is capable of accessing data from World Wide Web servers (HTTP), Gopher servers, FTP servers and Usenet News servers (NNTP). Mosaic can also access other data sources and services through gateway servers. These services provide search capabilities in database environments such as PH, Archie, WAIS, and Veronica. NCSA Mosaic provides transparent access to these information types. NCSA Mosaic software is copyright by The Board of Trustees of the University of Illinois (UI), and ownership remains with the UI. The UI grants you a license without a fee to use the Mosaic software for personal, academic, research, United States government and internal business purposes. Mosaic is designed to operate under the following Microsoft Windows environments.

Windows 3.1x, Windows for Workgroups 3.1x, Windows 95, Windows NT 3.5x

Use this help file by clicking on the above image or select a topic from the index.



NCSA Mosaic

Help Index

[Copyright Statement](#)

[Help Features](#)

The Menus

[File](#)

[Edit](#)

[Options](#)

[Navigate](#)

[Hotlist](#)

[Help](#)

Cool Features

[Advanced Hotlist Manager](#)

[Autosurf](#)

[Collaborative Session](#)

[Command Line Options](#)

[Kiosk Mode](#)

[Preference sheets](#)

Presentation Mode

Right Mouse Menu Options

Help Features

The following options are available from the menus on the menu bar or from the right mouse button menus. Select the appropriate menu or click the right mouse button to access these features.

Annotate...

Annotate a help topic for future reference.

Copy

Copy the selected text to the clipboard.

Print Topic...

Print the current Help page.

Font

Changes the Help font (Small, Normal, Large)

Keep Help on Top

Toggles the Help Window between Default, "Always On Top" or "Not on Top". The default is "Not on Top"

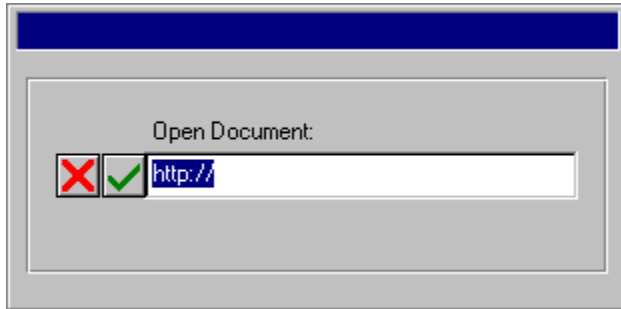
Use System Colors

Help matches images colors to your system

Click on a menu item for help.



Click on the image for help.



Cancel Button

Click to cancel the Open Document request and close the dialog box.



Enter Button

Click and Mosaic will retrieve the file defined by the address.

The Document Address

Enter the address of a file. Click the green check to load the file or the red X to cancel the request and close the window.

Click on the image for help.



Browse files on your local machine using this feature. Select the desired HTML(.htm) or Text (.txt) file and select OK to display the document.

File Name:

Displays the name(s) of the file(s) in the current directory. All files are listed by the file type. Enter the name of a file or click on the one of the listed files and select OK to open the file.

List Files of Type:

Displays a file type. File types are determined by the extension associated with a file name. By default, Mosaic displays HTML files. Click the arrow key to select another file type from the list box. The file types available are HTML(.htm), Text(.txt) or all files(*.*).

Directories:

Displays the path to the current folder or directory in a hierarchical format. To change folders, double click on the folder above the current folder to move up the directory tree. Click on the name of a folder to open it and display the contents of that folder.

Drives:

Displays the letter and name of the current drive. Click the arrow key to display the letters and names of all drives available to the system. Select a different drive by single clicking on the desired drive letter or name. Click "**Network...**" if you are on a local area network(LAN) and wish to open a file from a network drive.

Save As...

Saves the current document in its original format (i.e., HTML or Text (ASCII)).

Save As Text

Saves the current document in ASCII format. This function omits in-line images and table data.

Print...

Opens a Print dialog box, that displays the status of your current printer and the print range.
Select OK to print the current document.

Print Preview

Mosaic displays the current document in a preview format. Within print preview there are several functions that allow you to view the present document as it will appear on the printer. Select "Print..." to print the document, or "Close" to close print preview.

Print Setup...

Opens a dialog box that allows you to configure the define or configure the settings of the printer.

Newsgroups...

Displays the list of subscribed newsgroups in the Mosaic document view Window. The document view window also displays an additional news toolbar interface.

News Interface Toolbar



This tool bar is present while you are viewing News. The toolbar is moveable and can be docked on any side of the Mosaic window or anywhere outside the Mosaic window.



Move to previous news article.



Move to next article in list.



Move to previous topic in newsgroup.



Move to next topic in newsgroup.



Post article to newsgroup.



Follow -up reply to a article in newsgroup. (Public post)



Reply to the author of a newsgroup article. (Private reply)



[Return to newsgroup article list.](#)



Find article in current newsgroup article list.



Find next article in list.



Catch Up all articles in current newsgroup. (Marks all articles as have been read.)



Move to next newsgroup.



Move to previous newsgroup.



[Return to the list of all subscribed newsgroups.](#)



Open the newsgroup subscriptions window.

Send Email...

Opens the Mail... dialog box. Enter the address of the recipient , the subject, and content of the mail message. You can include the URL of the current document, the text of the current document, include a file using the "Import File" feature and append a signature file to the end of the mail message with a click of the button. Select "Send" and Mosaic sends the mail message to the mail server defined in your Preferences, Services menu. The mail server then delivers the mail message to the recipient. Select "Abort" to cancel the email message.

Document Source...

Opens the Document Source window, which displays the source file of the current document. Most are in HTML format, but some files are ASCII. The document source window has two menus (File and Edit). The File menu, has a “Save” function that allows you to save the source file. The Edit menu, has a “Copy” function that allows you to copy information from the file to the Windows Clipboard.

Exit

Closes the window and exits NCSA Mosaic.

Collaborate...

Click on the image for help.



Collaborate offers you more than a simple talk or chat session between Mosaic clients. Collaborate allows you to link your Mosaic session with other Mosaic users, send files, and exchange data with other collaborators. Collaborate works on the client-server principle and each Mosaic client contains a collaborative client and server. The collaborative client allows you to connect to a collaborative server and communicate with other Mosaic users. The collaborative server initiates a collaborative session and relays all data between the clients.

Joining a Collaborative Session:

1. Enter the name or IP number of the machine that is hosting the collaborative session.
2. Enter the port number of the collaborative session. *(Note: The port number is provided by the host of the collaborative session.)*
3. Click “**Join a Session**”.

Hosting a Collaborative Session:

1. Enter the name or IP number of your machine.
2. Select a port number. (1 - 9999)
3. Click “**Host a Session (but do not join)**” or **Host a Session (and join)** depending on your preference.

After you setup the collaborative environment, Mosaic opens a Collaborative Session Window. This window is your interface to the collaborative session.

NOTE: *There are a number of ways to limit the collaborative features using command line options*

Your IP Address:

The Internet Protocol (IP) number of your system.

Host Name:

Enter the name of the machine that will host the collaborative session. For example, collab.ncsa.uiuc.edu.

TCP/IP Port:

Enter the port number where the server will send and receive messages. The port number is arbitrarily defined by the Mosaic user who initiates a collaborative session and must be less than 9,999.

Join a Session

Initiates a collaborative client. Select this option and fill in the appropriate Host Name: and port number to join a session.

Host a Session (but do not join)

Initiates a collaborative server without initiating a client. This option is practical for users who would loan their machine as a host of a collaborative session yet they do not want to participate in the session.

NOTE: You can join a session after you've selected this option. Simply select "Join a Session" and enter your machine's name, the define port number and click Start to join the session.

Host a Session (and join)

Initiates a collaborative session and a client. Select a port number between 1 - 9,999 and select “Start” to begin a collaborative session.

Start

Select **Start** to begin and/or join a collaborative session.

Stop Host

Terminates a collaborative server.

Cancel

Cancels the entries in the collaboration setup window and returns you to the main Mosaic window.

Collaborative Session Window

Click on the image for help.



The Collaborative Session Window contains three working areas: the message display area, the collaborator list and the message edit area. The window also contains a toolbar that gives you easy access to some of the menu functions. The collaborate window is also sensitive to Window's drag and drop feature. You can drag and drop a file from the File Manager, Windows Explorer or the desktop to the Collaborative Session and it to the members of the current session.

Message Display Area

This area displays all messages being written during a collaborative session. The name of the message sender will appear in front of the displayed message.

e.g., mosaic-w> Hello World

Collaborator List

A list of the current members in the collaborative session. Double click on a name to identify the chat alias, user name, email address and IP number. The names in the collaborator list is defined by the “Chat alias” field in the Services preference. If a chat alias is not defined, Mosaic will use the user ID on your email address.

Message Edit Area

Type your message in this section of the window. The Message Edit Area accepts paste commands(Ctrl+V) from the clipboard and supports word wrap so your message will automatically advance to the next line. Submit your message to the collaborative session by clicking on the “**Send**” button or hit the Return/Enter key on the keyboard.

Collaborative Window

At present this area of the window is not being used for a specific purpose. However, this area is sensitive to the collab session's drag and drop feature. You can send any local file to the other members of the collaborative session by dragging and dropping a file into the collaborative session window.

Click on a menu item for help.



Save Session **Ctrl + S**

Saves the current session to a file. By default the file is named collab.txt and it can be found in the default download directory as defined in the Directories preference sheet. This function is also available from the toolbar by clicking the



.button.

Clear Message Box

Ctrl + N

Clears the contents of the Message display area. This function is also available



from the tool bar by clicking the button.

Exit

Terminates the client and closes the collaborative session window.

Click on a menu item for help.



Send Links **Ctrl + L**

This function links multiple Mosaic sessions by sending the URL of the current page to the other members of the collaborative session. A check appears next to



the menu item when this function is enabled. The button in the toolbar is another way of switching the feature on and off.

Follow Links **Ctrl + F**

The “Send Links” and “Follow Links” functions allow multiple Mosaic sessions to act as one session. Everyone sees the same data in their respective Mosaic window. An arrow appears next to the menu item when the function is active.



Follow links can also be switched on and off by clicking the button in the toolbar.

Audio Notification Ctrl + A

When active, the system will make an audio notification when a new message has arrived in the message display area. An arrow appears before the menu item when the feature is active. The audio notification feature can also be switched on/off by



clicking the button in the toolbar.

Refresh User List Ctrl + R

Queries the collaborative server for a current list of members. This function is



available from the toolbar by clicking on the button.

Always on Top

When checked, the collaborative session window is always on top of the other Windows application..

Save Settings on Exit

Saves all your user configurable settings when you exit a collaborative session.

Save Settings Now

Saves the current settings immediately.

Collaborative Session Toolbar

All functions and icons are defined in the menus. Please refer to the menu items for more information.

Click on a menu item for help.



Copy Ctrl +C

Copies selected text to the clipboard. The text can be selected from the Mosaic document display area, the location bar, the document source window, and the text-entry fields in various interactive windows (e.g., the File, Open Document... window). You can also use the shortcut keys Ctrl+C, hold the control key and hit "C". Copy is also available from the right mouse button menu. Click the right mouse button and select "Copy" from the menu.

NOTE: Mosaic also recognizes Ctrl + Insert as a Copy command.

Paste Ctrl+V

Pastes the selected text to the current position of the cursor. Text can be pasted into the location bar , the text-entry fields in various interactive windows (e.g., File, Open Document...) , and into forms within the document view window. Paste also has a shortcut key, hold the control key (Ctrl) and hit “V” to paste selected text to the current position of the cursor.

NOTE: Mosaic also recognizes Shift + Insert as a Paste command.

Find... Alt+F3

Opens the Find dialog box. Enter the characters, word(s), or phrase you want to search for in the current document. Click “Find Next” to begin search. If you want your search to be case sensitive, make certain the “Match Case” box is checked. Find also has a shortcut key, hold the Alt key down and hit F3 to open the Find dialog box.

Find Next F3

Initiates a search with the current entry in the Find dialog box. Find Next also has a shortcut key, hit F3 to find the next instance of the current character string.

Select All

Selects all the text in the Document View Window. Select copy from the Edit menu or from the tool bar to copy all text to the clipboard.

Click on a menu item for help.



Show Toolbar

When checked, the Toolbar is active and appears below the menu bar. The toolbar offers easy access to several functions: Save to Disk, Save to Disk, Print, Print Preview, Back, Forward, Reload, Load Home Page, Find, Save to Hotlist, Read Newsgroups, Send Internet Mail, and About.

Show Status Bar

When Show Status Bar is active, the status bar is displayed at the bottom of the Mosaic window. The status bar contains three areas, Text status, Graphic status, and a Download indicator. Select the status bar on the main page for more information.

Show Location Bar

When checked, the Location Bar is displayed under the Toolbar if it is active or under the Menu bar if the Toolbar is not active. The location bar has a few functions: The “X” allows you to cancel an entry in the location field and it returns the field to the original document address. Selecting the “Check” submits the current address and prompts Mosaic to load the document. The location field displays the address of the current document. The location field also allows you to enter an address to a document in the form of a URL. The arrow button opens a list box that contains a list of the document addresses visited during the current Mosaic session.

Presentation Mode

Expands the document view field to a full screen view. By default the title bar, menu bar, tool bar, location bar, and status bar are turned off. You can toggle the tool bar, Location bar and status bar on and off using Alt + T, Alt +L, and Alt +S respectively. Alt-P toggles the presentation mode on and off.

Click on a menu item for help.



Back

B



Moves back one document in the history list. Back is mapped the button in the toolbar and to “**B** or **b**” on the keyboard. Select back from the menu, click on the button in the toolbar or hit “**B** or **b**” to move back in history. Back is dimmed or grayed out when there is no previous document.

Forward

F



Moves forward one document in the history list. Forward is mapped to the button on the toolbar and the “**F** or **f**” key on the keyboard. Select forward from the menu, click button on the toolbar or hit the “**F** or **f**” to move forward in history. History is dimmed or grayed out when the current document is the last one in the history list.

Reload

R

Reloads the current document and all images associated with the document. Reload is also



mapped to the button in the toolbar and “**R** or **r**” on the keyboard. Select reload from the menu, click the button on the toolbar or hit the “**R** or **r**” key to reload a page.

Home H

Loads the document defined in the Options, Preferences, Document, Home Page field. Home is



also mapped to the button in the toolbar and the “H or h” key on the keyboard. Select home from the menu, click on the toolbar button or hit “H or h” on the keyboard to load your home page in Mosaic.

Stop Transfer S

Cancels the transfer of the current document. Stop transfer is also mapped to the



button in the toolbar, the Mosaic icon, the Esc key and the “S” key on the keyboard. Select stop transfer from the menu, click the button in the toolbar or press the appropriate key to cancel a file transfer.

Session History

Opens a window that contains a tree history of file addresses (URLs). The current document is highlighted and you can move to any other document in the list by double-clicking on the address.

Add Current to Hotlist

A

Adds the title and address of the current document to the hotlist that is defined in the Hotlist



Managers “Add to:” field. Add Current to Hotlist is also mapped to the button in the toolbar. Select add current to hotlist from the menu or click on the button in the menu to add the current document to your hotlist.

Hotlists

Hotlists are user defined shortcuts to World Wide Web documents. The default hotlist, default.hot, provides a list of documents we thought would be interesting to the Mosaic user group. See the documentation for [Advanced Hotlist Manager](#) for information about customizing your hotlist.

Click on a menu item for help.



Contents

Opens this page. Just point and click on the items of interest.

Search on Help

Opens a search window relative to Mosaic Help

How To Use Help

Opens the standard Windows Help tutorial.

Online Resources

A local file that provide a quick reference to some on-line resources. The file, resource.htm, can be found in the Mosaic directory.

About Mosaic...

Displaying the current version information, copyright statement, and a list of the current developers.

Mail Technical Support...

Opens a mailto window that gives you email access to the NCSA Mosaic technical support staff. Type your message and select send to email a technical support to NCSA.

Note: Mailto is only available if you defined a Mail Server on the Server Preference sheet



Open Document...

Opens a dialog box where you enter the address of a document. Presently these addresses are in the form of a URL:

(protocol://machine.name/directory/path/filename.html)

Select the green check to load the document or the red X to abort the request.



Save As

Opens a standard Windows Save As dialog box that lets you save the current document in its original format (i.e., HTML or ASCII).



Print

Opens a Print dialog box, that displays the status of your current printer and the print range. Select OK to print the current document.



Print Preview

Mosaic displays the current document in a preview format. Within print preview there are several functions that allow you to view the present document as it will appear on the printer. Select “Print...” to print the document, or “Close” to close print preview.



Copy

Copies the selected text to the clipboard. Text can be selected from the document view window, document location bar, the document source window, and text-entry fields in various interactive windows (e.g., the Open Document... window).



Paste

Pastes the selected text to the current cursor position. Text can be pasted into the document location bar , text-entry fields in various interactive windows (e.g., Open Document...) , and into forms within the document view window.



Back

Moves back one document in the history list. Dimmed when there is no previous document.



Forward

Moves forward one document in the history list. Dimmed when the current document is the last one in the history list.



Reload

Reloads the current document.



Home

Loads the document defined in the Document Preference Sheet.,



Stop Transfer

Stops the present download.



Find...

Opens the Find dialog box. Enter the letters, word, or phrase you want to search for in the current document. Click “Find Next” to begin search. Check “Match Case” if you want your search to be case sensitive.



Add Current to Hotlist

Adds the title and URL of the current document to the hotlist that is defined in the Hotlist Managers “Add to:” field.



Newsgroups

Displays the list of subscribed newsgroups in the Mosaic document view Window



Send Email

Opens the Mail... dialog box. Enter the address of the receiver, the subject, and content of the mail message. You can include the URL of the current document, the text of the current document, include a file using the "Import File" feature and append a signature file to the end of the mail message with a click of the button. Select "Send" and Mosaic send the mail message to the mail server you defined in your Preferences, Services menu. Select "Abort" to cancel the email message.



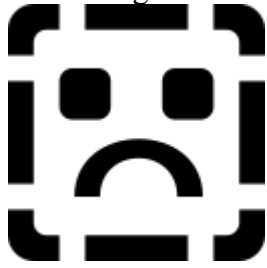
Help

Opens the Mosaic Help Contents Page.



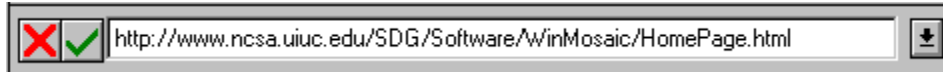
Visual Indicator/Interrupt

The animated Mosaic logo acts as a visual indicator letting you know when Mosaic is busy downloading a file and as a download interrupt. Click on the



Mosaic logo, the tool button, or press **Esc** on the keyboard to stop the transfer of a file.

Location Bar



The location bar has five functions:

- 1) It displays the address of the current file.
- 2) It is used to enter the address to a new file
- 3) The green check prompts Mosaic to download the file associated with the new address.
- 4) The red X prompts Mosaic to clear any text typed in the window and display the address of the current file.
- 5) Click on the arrow key to display a list of the addresses that have been visited during a session. Double click on any of the addresses to return to that document.

How do I use the location bar?

How Do I use the Location Bar?

Enter the address of a file. Click the green check to load the document or click the red X to cancel.

Use the following shortcut keys to assist your typing. Hold the Ctrl key down and press a letter and Mosaic will add the respective prefix to the location bar.

Ctrl + h.....http://
Ctrl + f.....ftp://
Ctrl + g.....gopher://
Ctrl + n.....news:
Ctrl + m.....mailto:

Visual Status Indicators



Indicates an application using OLE is connected to your Mosaic session.



Indicates that Mosaic has not made a connection to an information server.



Indicates Mosaic has made a connection to an information server.



Indicates an HTML document is being pulled from the disk cache and not from the associated information server.



Waiting to read data from a server.



Reading data from a server.



Indicates in-line images need to be downloaded for the current document.

To the right of the image icon appears the number of in-line images associated with the current document. This number decreases as the in-line image files are received and paginated.



Progress Indicator

The Mosaic progress indicator is a visual aid to help you determine the amount of bytes received for a file. This area optionally displays the Day/Date/Time when Mosaic is idle. The time settings are in the Window Preference Sheet.

Message Display Area

Reports messages concerning connectivity to the information server and the status of a file download while Mosaic is trying to retrieve. While Mosaic is idle, the text status area displays the document address of a link when the mouse pointer is placed over a hyperlink.

Image Anchor

An inline image that links to other information. Inline image anchors are denoted by a border that has the same color as the text anchors. Click on the anchor to link to the information.

Text Anchor

A word(s) that link to other information.

Title Bar

The title bar displays both the title of the application and the title of the currently displayed document.

System Menu

Opens the standard Windows system menu.

Minimize/Maximize

The down arrow minimizes the Mosaic window and the up arrow maximizes the window to fit the entire screen.

Preference Sheet Anchors

Click on the image for help.



A preference is active when its box is checked.

Miscellaneous

The following options are active when the boxes are checked.

Change Cursor Over Anchor:

The cursor changes from the standard arrow to a hand with a pointing finger when the cursor is over a hyperlink or anchor.

Underlined:

All anchors or hyperlinks are underlined. (This feature is particularly useful if you are using a black and white monitor.)

Show URL in Status Bar:

The URL of an anchor is displayed in the status bar when the cursor is over the anchor.

Visually Age Visited Anchors

Gradually changes the color of an anchor from the visited or cached color to the unvisited color as the anchor gets closer to the expiration period specified in the next feature.

Expire Visited Anchors:

Length of time before an anchor reverts to the unvisited anchor color.

Current Anchor Highlighting

Using a framed, buttoned, or hatched anchor, the left and right arrow keys are enable for anchor navigation. The right arrow will advances you to the next anchor in a document and left arrow key returns you to the previous anchor in the document.

Framed:

Surrounds the current anchor with a solid frame.

Button:

Gives the current anchor a 3D button effect.

Hatched:

Surrounds the current anchor with a broken frame.

None:

Anchors are not modified by a frame, button, or hatched effect; anchor navigation with the left and right arrow keys is disabled.

Red: Green: Blue:

The current RGB color value of the anchor border.

Change...

Opens a dialog box where a new color for the anchor border can be selected from a color palette.

Unvisited Anchor Color

Red: Green: Blue:

Displays the RGB color value for anchors that you have not visited.

Change...

Opens a color palette where you can select a new color for **Unvisited** anchors.

Visited Anchor Color

Red: Green: Blue:

Displays the RGB color value for anchors that you have visited.

Change...

Opens a color palette where you can select a new color for **Visited** anchors.

Clear

Erases the global history list, mosaic.ghi.. This file contains a list of URLs that represents every document you've visited on the WWW before the defined expiration date.

Cached Anchor Color

Red: Green: Blue:

Displays the RGB color value for anchors that are cached on your local hard drive.

Change...

Opens a color palette where you can select a new color for the anchors of your **Cached** files.

On

Turns on the color scheme. If **On** is not selected, the anchors will appear as **Visited** anchors.

Preference Sheet Audio

Click on the image for help.



A preference is active when its box is checked.

Mosaic Audio Events

The following audio events can be mapped to wav audio files on your system.

Abort

Left mouse click on the Mosaic logo or pressing the ESC key.

About Mosaic

From the Help menu, About Windows Mosaic... or the Question Mark in the Tool Bar

Add to Hotlist

The Add to Hotlist icon in the toolbar or open the Hotlist Manager (Navigate, Hotlist Manager) and select Edit, Add Current at Selection Point

Load Document

Select the green check next to the URL command or press ENTER.

Navigate Back

Select the left arrow icon from the toolbar or Navigate, Back.

Cancel Location

Select the red X next to the URL command line.

Copy

Select a range of text in a document and the Copy icon from the toolbar or CTRL+C

Document Loaded

Audio notification when Mosaic has received and loaded the document into the document view window.

Find

Select the Find icon from the toolbar or Edit, Find

Navigate Forward

Select the right arrow icon from the toolbar or Navigate, Forward

History

Select Navigate, History

Home

Select the House icon from the toolbar or Navigate, Home

Image Loaded

Audio notification when Mosaic loads an image into the document view window.

Mail

Select the Mail icon from the toolbar, or use File, Send Email... or enter `mailto:name@address` in the URL command line.

News

Select the News icon from the toolbar, or use File, Newsgroups... or enter `news:newsgroups` into the URL command line.

Open

Select the Open URL icon from the toolbar, or by selecting File, Open URL... (CTRL+O) or File, Open Local File... (CTRL+L)

Paste

Select the Paste icon from the toolbar or Edit, Paste (CTRL+V).

Preferences

When you select Options, Preferences...

Presentation Mode

Select Options, Presentation Mode (ALT+P)

Print

Select the Print icon from the toolbar or select Edit, Print...

Print Preview

Select the print preview icon from the toolbar or File, Print Preview...

Reload

Select the reload icon from the toolbar or Navigate, Reload

Save

Select the save icon from the toolbar or File, Save As...

Startup

Mosaic greets you when you start the application.

WAV Files:

Click on an event and Mosaic displays the audio file that is mapped to the event. This section also lists the WAV files that are available from the current directory. The current directory appears at the bottom of the WAV file list.

Test

Click to test the highlighted WAV file.

Sound Scheme File:

Displays the entire path to the sound scheme file(.SND). These files are created by Mosaic when you make sound/event associations and they maintain the mapping information between the Mosaic events and the audio files. This file is typically found in the C:\Mosaic\audio directory.

Save As

Saves the current collection of events and associated sound files in a SND file.

Load

Loads another specified SND file.

The following options are active when the boxes are checked.

Enable Event Sounds

Enables the Mosaic Audio Events.

Asynchronous

Allows sound events to be interrupted.

Enable Inline Sound

A new HTML tag not yet approved by the HTML working group. This tag enables the use of WAV files for in-line sound. Inline sound file can be placed in any part of the document or you can define a background sound. Inline sounds can also be delayed for X number of seconds. The tag associated with in-line sound is:

```
<SOUND SRC="*.wav">
```

Attributes of the sound tag include:

```
LOOP=infinite and DELAY=sec.
```

e.g., <SOUND SRC="*.wav" LOOP=infinite>

or

```
<SOUND SRC="*.wav" DELAY=10>
```

Preference Sheet Cache

Click on the image for help.



A preference is active when its box is checked.

Memory Cache

Number of documents kept in memory:

The number of documents maintained in memory cache during a Mosaic session

The memory cache is volatile.

Memory Cache

Clear Memory Cache

Click on this button to clear the memory cache of all documents and images.

Location:

Defines the entire path to the directory used to store the non-volatile disk cache.
(e.g., c:\Mosaic\Cache\)

Size (KB):

Defines the number of KBs allocated to the disk cache (1M = 1024KB)

The following options are active when the boxes are checked.

Enabled:

Disk cache is enabled.

Fast Image Caching:

Converts cached in-line images into a .bmp format, which increases the display speed of the in-line image when they are loaded from the disk cache.

Never purge home page:

The home page is always available from the disk cache.

Clear Cache on Exiting Mosaic

Mosaic clears the disk cache when you exit the program.

Check Modification Date From Server:

Ensures Mosaic displays the most current version of a document. Mosaic requests the file size and date stamp from the server and if the file has not changed, Mosaic loads the file from the disk cache. If the file has changed, Mosaic requests the document from the information server. You can also set Mosaic to check the documents currentness once per session or every time it loads a document.

Click “**Once Per Session**” if you want Mosaic to check the time stamp once during your current session.

Click “**Always**” if you want Mosaic to check the time stamp every time you go to a page.

Advanced Cache Manager

Click on the image for help.



A preference is active when its box is checked.

Hits

The number of times the file has been loaded from the cache.

Size

The size of the file.

File

The actual name of the file.

URL

The address of the file in URL format.

Below the window is statistical data about the contents of the cache. Displayed is the total number of items in the disk cache and the amount of disk space being used by the cache (KB). Also displayed is the Cache Hit Percentage that shows the percentage of times items are accessed from the cache. This data is displayed in terms of the life of the cache and in terms of the current Mosaic session.

Load URL:

Select an item from the cache management item list and click to load the file.

Delete:

Deletes the selected item(s) from the cache. The cache management item list supports the standard Shift + Left click to select a range of items and/or Ctrl + Left click to select individual items.

Never Purge:

Marks a highlighted item so it will not get deleted if you clear the cache or updated if the item changes on the server. An asterisk (*) next to the Hits field appears on these "Never Purge" items.

Can Purge:

Highlight an item marked Never Purge and click this button to removed it from the never purge list. If Check Modification Date From Server is checked, Mosaic updates the file the next time you visit the web site.

Clear All:

Deletes the contents of the disk cache except for the items marked with an asterisk.

Sort by:

Sort the contents of your disk cache by one of the following methods.

File:

Sorts the disk cache management window by the file type

Server:

Sorts the disk cache by the alphabetical order of the server name.

Size:

Sorts the disk cache by file size.

Hits:

Sorts the disk cache by the number of times the file is pulled from the cache.
(The first element in the list has the highest hit percentage.)

Mime:

Sorts the disk cache by MIME type.

Cache the following mime types?

Displays a list of the current MIME types in your viewers section and the cache status for each MIME type. Select a MIME type and click **Yes** to add the file type to your disk cache or select **No** to delete a file type of file from the disk cache.

Close

Saves the current settings and closes the window.

Preference Sheet Directories

Click on the image for help.



Default Download Directory

Defines the path to the default directory where Mosaic will save all files you download from the network.

Global History File

Defines the path and file name of the global history index (.ghi) file. To clear the global history click “Clear” from the visited anchor section on the anchor preference sheet.

News Index File:

Defines the path and file name to the news.lst file. This file contains the titles to the various Newsgroups available from your news server. This file is created by Mosaic when you configure the News preference sheet and select the subscriptions button..

Preference Sheet *Document*

Click on the image for help.



A preference is active when its box is checked.

Inline Images

Display Inline Images

Enables in-line images to appear within an HTML document. When blank, in-line images and background images are not shown. In-line positions are held by an



icon and alternate text is displayed if it is available.

3D Borders

Surrounds all in-line images with a three-dimensional border.

Background Color

Opens a color palette where you can select a new color for the default background color of the document view window.

Miscellaneous

3D Rules

Displays horizontal rules (<HR>) as three-dimensional lines instead of solid black line.

Round List Bullets

Displays a 3D bullet at the beginning of each list item in an unordered list () or menu list (<MENU>). A dash is displayed if this option is not selected.

Send Referrer Field

Mosaic will send the URL of the page you came from when you contact a server for information. Referrer allows WWW sites to determine where the majority of the Web traffic is coming. The referrer URL is not sent if you do not select this option.

Home Page

Autoload

Mosaic automatically loads your defined home page.

The address to your home page is defined by a URL. The home page file is written in HTML (HyperText Markup Language). This file can reside on the network or it can be local file on your system. The URL address for a local file is defined in this format:

file:///c:/directory/filename.htm

Use Current

Click on this button and Mosaic will automatically save the URL of the present document as your home page.

Advanced Tags

Use <BODY> Attributes

Display background images using the HTML 3.0 <BODY BACKGROUND =
" image.gif"> attribute.

Use <META> Tag

Allow Mosaic to be automatically prompted to another page.

Prompt Before Using <META> Tag

Prompt user before allowing Mosaic to change pages.

Display

Display Text while Loading

Displays the document while it is being downloaded.

Display Images While Loading

Displays in-line images after they are downloaded and while Mosaic is downloading other images.

Disable Display While Loading

Forces Mosaic to wait until the document and all images are downloaded before it is displayed.

Preference Sheet
Fonts

Click on the image for help.



Mosaic Font Groups:

Displays the name of the font groups available to Mosaic. To view the contents of a group double click on the group name.

Default

The default font group.

New

Click and enter the name of a new font group. Click the check to create a new font group or click the X to cancel and close the window.

Note: The initial settings for a new font group reflect the current settings in the default group.

Remove

Deletes the selected font group

Edit

Changes the name of the font group.

Change

Select a font and click to change the font type, size, or color.

Current Font Group:

Select the font group you want Mosaic to use.

Magnification Units:

The value from 1 to 5 that is used to multiply the size of the font using the
“+” or “-” key.

Preference Sheet *News*

Click on the image for help.



A preference is active when its box is checked.

Display Options

There are three ways of displaying news articles. Select one of the following choices.

Thread View

Display the top level messages without reply messages.

Group View

Display the top level message and the first level of replies.

Tree View

Display the top level and all replies in hierarchical format. (Replies to replies are represented at different levels of the hierarchy.)

Number of articles to load:

Defines the number of news article headers you want Mosaic to retrieve from the news server. One Thousand is the maximum number.

Number of articles to display:

The number of News articles you want Mosaic to display in the document view window. Ten is a minimum and One Hundred is a maximum.

NNTP Server:

Enter the name of the machine that provides your news services.
(e.g., news.ncsa.uiuc.edu)

Note: Many news servers are restricted to certain domains. Your Internet access provider should provide you with the name of your local news server.

.sig file

Enter the path to your signature, (.sig), file. This file is a text file that contains contact information about you and/or your organization. This file is also used when post a message to a newsgroup or mail a message using.

Show Toolbar

Displays an easy to use, dockable toolbar while you are reading news. To dock the News toolbar, click on its frame and drag it to any of the four sides of the Mosaic window or to any position on the screen.

Load All Articles:

When checked Mosaic loads all available news article headers for the newsgroup you select in Mosaic's News interface. This feature disables the "Number of articles to display:" feature.

News Subscriptions

Click on the image for help.



Search:

Enter the name or prefix of a newsgroup. Mosaic comparatively matches your entry to the available newsgroups in the list, scrolls through the list and displays its finding.

Available:

Displays the names of newsgroups that are available from your news server.

The available newsgroup list supports the standard Shift + Left click to select a range of items and/or Ctrl + Left click to select individual items.

Subscribed:

Displays a list of the newsgroups which you have subscribed..

Subscribe:

Adds the selected newsgroup(s) from the available field to the subscribed field.
Select a newsgroup from the available list, click subscribe to move the
newsgroup to your subscribed list.

Unsubscribe:

Deletes the selected newsgroup(s) from the subscribed list and moves it back to
the Available list. Select a newsgroup in the subscribed list, click on
unsubscribe to remove it from your subscribed list.

Update:

[Click update to query the news server for the latest list of available newsgroups.](#)

Select All:

Selects every entry in either the Available field or the Subscribed field depending on the location of your cursor.

Unselect All:

Deselects the entries that were selected.

Preference Sheet *Printing*

Click on the image for help.



A preference is active when its box is checked.

Margins

Allows you to define print margins in terms of inches. The default setting is 0.50 or 1/2 inch. Enter "0" to disable print margins.

Left:

_____ Defines the size of the left margin.

Right:

_____ Defines the size of the right margin.

Top:

_____ Defines the size of the top margin.

Bottom:

_____ Defines the size of the bottom margin.

Print Document Title

Prints the title of the document as defined in the <TITLE> tag. The title appears at the top and centered on the page.

On First Page

The title is only printed on the first page of the document.

On Every Page

The title is printed on every page of the document.

Print Document Location

Prints the document location in the lower left hand corner of the printed document.

Print Page Numbers

Prints the page numbers in lower right hand corner of the document. The page numbers are displayed in terms of the present page with respect to the total number of pages. (e.g., 1 of 5)

Print Date

Prints the date the document was printed. The date stamp appears in the lower right hand corner of the document and to the left of the page number.

Print Time

Prints the time the document was printed. The time stamp appears in the lower right hand corner next to the date stamp and to the left of the page number.

Preference Sheet

Proxy

Click on the image for help.



Firewalls are employed by many organizations to protect their local area networks (LAN) from intrusion and to prevent unauthorized employees from leaving the LAN. Unfortunately, firewalls also prevent NCSA Mosaic from retrieving documents from the Internet without the use of a proxy gateway.

A proxy gateway allows Mosaic to request information from the Internet through a computer running proxy gateway software. The proxy gateway, (or proxy server), receives a request in the form of a URL from a Mosaic client running inside the firewall and makes the actual network request on behalf of the Mosaic client. The proxy server receives the data and sends it to the requesting Mosaic client. Typically the machine running the proxy server is the only machine directly connected to the Internet. After you configure Mosaic to use a proxy server, you should feel as though you were directly connected to the Internet.

Not all organizations use firewalls and/or proxy gateways. Contact your local system administrator to determine if you need to use a proxy server to gain access to the Internet.

Enter the name and the port number of the machine that is providing the proxy services. Your system administrator should be able to tell the name of the machine running the proxy gateway software. Typically, one machine provides proxy services for all of the defined protocols. If you not have access to one of the following protocols, leave the field blank.

Proxy Server Configuration Example:

HTTP Proxy Server: proxy.ncsa.uiuc.edu:8080

FTP Proxy Server: proxy.ncsa.uiuc.edu:8080

WAIS Proxy Server:

Gopher Proxy Server: proxy.ncsa.uiuc.edu:8080

Machine/Domain List:

Displays a list of network domains that are affected by proxy services. If you are behind a firewall and have a local web server, you could mark this domain as “no proxy” and improve the performance of local information retrieval. Since all other domains will need to go through the proxy gateway, you could mark the all others field for proxy services. For example:

<u>no proxy</u>	<u>ncsa.uiuc.edu</u>
<u>proxy</u>	<u>all others</u>

NOTE: You can switch the proxy/no proxy state of a machine or domain by double clicking on its name in the Machine/Domain List.

Add

Enter the machine name or the domain name of a system you want to add to the
Machine/Domain List.

Remove

Select an entry in the Machine/Domain List and click remove to remove it from the list.

Proxy

Associates the proxy status with the selected domain. Select a domain name from the Machine/Domain List and then click Proxy to add use the proxy server to access information from this site.

NOTE: You can switch the proxy/no proxy state of a machine or domain by double clicking on its name in the Machine/Domain List.

No Proxy

Associates the no proxy status with the selected domain. Select a domain name from the Machine/Domain List and click No Proxy to bypass the proxy server and access information directly from the site.

NOTE: You can switch the proxy/no proxy state of a machine or domain by double clicking on its name in the Machine/Domain List.

Preference Sheet *Services*

Click on the image for help.



A preference is active when its box is checked.

Mail

Name:

Enter your name.

E-mail Address:

Enter your email address

SMTP:

Enter the name of your Simple Mail Transfer Protocol (SMTP) server. Contact your system administrator or Internet access provider for the name of your mail server.

FTP

Use Extended FTP

Associates meaningful icons to directories and file-types on an FTP server.

Mosaic also displays the file size information. When blank, Mosaic displays just the names of the files and directories.

External FTP Messages

Mosaic displays the messages generated by an FTP server in a separate window.

Inline FTP Messages

Mosaic displays the messages generated by an FTP server in-line with the file and directory data. The messages are displayed at the top of each page.

tn3270

Enter the path of your TN3270 Telnet application. For example,
c:\directory\tn3270.exe

Click Browse, to open a standard Microsoft Windows browse window. Find your
telnet application, click OK, and Mosaic will fill in the above path information.

After you've defined a tn3270 application, you can use URLs in the following
format:

tn3270://johndoe@machine.name.com

Mosaic will launch the telnet program and prompt the machine for johndoe's
login.

TIP: You can add Telnet prompts to your hotlist by creating new "hotlist item" with the above
information.

Network

Timeout:

Enter the amount of time you are willing to wait for a Web site to make a connection with Mosaic. Time-out is defined in seconds and is set to 60 seconds by default.

Telnet

Enter the path of your Telnet application. For example,
c:\directory\telnet.exe.

Click Browse, to open a standard Microsoft Windows browse window. Find your
Telnet application, click OK, and Mosaic will fill in the above path information.

Telnet applications use either a colon or a space to distinguish a specific port number.
Select one of the options based on applications your needs.

Host:port:

When selected, Mosaic uses a colon to distinguish the port number as specified
in the document URL field.

Host port:

When selected, Mosaic uses a space when you specify a port number.

After you've defined a Telnet application, you can use URLs in the following format:

telnet://johndoe@machine.name.com

Mosaic will launch the tn3270 program and query the defined machine for a login.
You can create a hotlist of easy access to remote machines. ;^)

TCP/IP CCI Server

Enabled

Enables the TCP/IP CCI server. **Enabled** allows programs to use the TCP/IP CCI command set to remotely control Mosaic.

The same TCP/IP CCI technology is used for Mosaic's Collaborate... feature, to demonstrate the power of this technology. However, you should **NOT** enable the TCP/IP CCI Server to use collaborate.

***NOTE:** The typical Mosaic user will keep this feature disabled.*

Port:

Defines the port where the Mosaic TCP/IP CCI Server will send and receive data.

Chat Alias:

Enter a name you will use when you are collaborating. If no name is entered, Mosaic will use the user ID in your email address. For example:
 johndoe@some.company.com

The name that appears in a collaborative session will be:
 johndoe

Preference Sheet *Tables*

Click on the image for help.



A preference is active when its box is checked.

3D Tables:

Displays table borders with a 3D frame affect.

Recessed Tables:

Inverts the 3D frame border to give the table a recessed appearance.

Display Empty Cell:

Displays each empty cell instead of making them appear as part of the frame.

Red: Green: Blue:

_____ Displays the current RGB color value of the table frame.

Change:

_____ Opens a color palette where you can select a new color for the table frame.

Preference Sheet *Viewers*

Click on the image for help.



NCSA Mosaic for Microsoft Windows can use other applications to display file types such as, Microsoft Word, Postscript, MPEG movies, Quicktime movie, etc. These applications can be commercial software, Shareware, Freeware or copyright software. We refer to these applications as external viewers. In general, if an application can accept command line inputs, Mosaic can use it as an external viewer. When Mosaic downloads a file that it cannot display, Mosaic can pass the file to an external viewer and this application will display the file to you. For example, if you have Microsoft Word, you can configure Mosaic to pass all files that have the MIME (Multipurpose Internet Mail Extension) type of “application/msword” or files extended with “.doc” to your Microsoft Word application.

For more information about MIME types, available viewers and configuring Mosaic to use specific viewers, select on-line Resources from the Help menu and click on the Viewers link.

Associate MIME Type of:

Displays the MIME types and subtypes. Click on the arrow button to view the current list of MIME types.

CAUTION: If you edit information in this field, it will change your view configuration.

Description of MIME Type (Optional):

A description of the MIME type displayed in the above field.

With This/These Extensions:

Enter the file extension(s) associated with the MIME type displayed in
the Associate MIME Type of: field.

To this Application:

Enter the path and the executable name of the external viewer. Make certain the application software is capable of handling the MIME type. Use the Browse... function to create this association.

Browse...

Opens the standard Windows tree format dialog box for viewing your directories and files. Find the appropriate application software and click OK. Mosaic then fills in the appropriate information in the To this Application: field.

Specify “internal” to display image/??? Or audio/?wav objects within Mosaic

Mosaic can internally handle the following MIME types if you define the “To This Application:” field as “**internal**” for each MIME type.

audio/wav
audio/x-wav

image/gif
image/jpeg
image/bmp

Add

Click **Add** to add a new MIME type to the MIME type list.

Remove

Click to delete the MIME type that is displayed and all associated information from your MIME type list.

Preference Sheet *Window*

Click on the image for help.



A preference is active when its box is checked.

Toolbars at Startup

Show Toolbar

_____ When checked, the toolbar appears on startup.

Show Location Bar

_____ When checked, the location bar appears on startup.

Show Status Bar

_____ When checked, the status bar appears at the bottom of the Mosaic window
_____ on startup.

Date/Time

Mosaic displays the Day/Date/Time information in the progress indicator section of the Status bar when Mosaic is not loading files to the document view window.

Display Day

Display the current day: Mon, Tue, Wed, Thu, Fri, **Sat**, Sun

Display Date

Displays the current date: 10/11/95

Display Time

Displays the current time: 9:58:44 pm

Initial Window Placement

Defines the X & Y coordinate of the top left corner of the window and the width and height attributes of the Mosaic window. These settings define the size and location of the Mosaic window when you start the program.

Use Current Window Position

Click and Mosaic saves the current window position and size as the default settings.

OK

Saves and applies the changes to current session and closes the Preferences window.

Cancel

Aborts changes and closes the window.

Apply

Saves and applies the changes to current session and leaves the Preferences window open.

Help

Opens the Mosaic Help file.

Advanced Hotlists Manager...

Click on the image for help.



Advanced Hotlists Manager...
File Menu

Click on the image for help.



New **Ctrl + N**

Creates a new hotlist .hot file. This function prompts you for the name of the new .hot file and the name of the first folder within the file. If you do not name the first folder, Mosaic uses the name of the file as the default.

Save As... Ctrl + A

Saves The current hotlist file as a .hot or .htm file. Select Save As, select a directory , file name and file type and click OK.

Import HTML File... Ctrl + I

Import HTML File... opens the standard Windows open dialog box to allow you to select an HTML file for importing; it adds a folder to the current hotlist file, copies the appropriate links to the new folder and displays the HTML file in the document view window. This feature allows you to add or create new Mosaic hotlist files (.hot) using other hotlist and bookmark files saved in HTML format. This function will not alter the original HTML file.

Import Anchors From Current Document

Creates a new hotlist folder using the anchor names and URLs listed in the current document. The default title of the new folder is the title of the current document.

Export to HTML File... **Ctrl + E**

Exports the current hotlist(.hot) file into an HTML(.htm) file.

Close **Ctrl + X**
Closes the Advanced Hotlist Manger window.

Advanced Hotlists Manager...
Edit Menu

Click on the image for help.



Delete **Del**

Click on a folder or an item and select delete to delete the it from the current hotlist.

Insert New Item...

Adds a new item to a hotlist. Enter a document title and location (URL) in the dialog box and click OK. The new item is added above the position of the cursor if it is pointing at another hotlist item and added to the bottom of a folder if the cursor is pointing to a hotlist folder.

Insert New Folder..

Defines a new hotlist folder. The new folder is inserted above the current selection point.

Advanced Hotlists Manager...
Options Menu

Click on the image for help.



Always on Top

Makes the Advanced Hotlist Mangers window remain on top.

Open on Startup

Open the Advanced Hotlist Manager when you start a Mosaic session.

On Menu Bar

Displays the top level hotlist folders in the Mosaic menu bar.

One Root

Displays the hotlist folders under one menu item in the Mosaic menu bar.

Change Font...

Defines the font style and size that is used by the Advanced Hotlist Manager.

AutoSurf

The AutoSurf feature can be used to download documents from your favorite site and save the files to your disk cache for viewing at a later time. For example, you could tell Mosaic to AutoSurf a hotlist folder of your favorite sites and save the file for viewing off line.

Update Time Stamps


Updates the time stamps of each item in a folder or the entire hotlist to the present day's date and time.

What's New Since...

This feature contains everything the What's New feature offers except it allow you to define the date to begin the search. Select the appropriate date and watch it update your hotlist.

Remove Items That Don't Exist



Removes all hotlist items marked with a  from your hotlist. Items
are marked
with the red X when Mosaic can't find the file during a What's New update.
These files no longer exist on the server.

Open... O

This function is used to open a new hotlist, .hot, file. Mosaic opens a standard Open dialog box to allow you easy access to appropriate directory and file. Either double click the file or click OK to load the file in the Advanced Hotlist Manager.



The open function is also available from the toolbar by clicking the icon.

Save **Ctrl + S**

This function saves the current hotlist file to its current filename. Mosaic automatically saves changes to the hotlist file when you either close the Advanced Hotlist Manager or close Mosaic.



The save function is also available from the toolbar by clicking the icon.

Properties...

This function allows you to edit the properties of a hotlist folder or a hotlist item.
You can edit the name, URL or date of a hotlist item or the name of folder.

The properties function is also available by clicking the right mouse button over an item



or folder and from the toolbar by clicking the icon.



Alphabetize

Alphabetize the contents of a single folder or all folders.



What's New?

What's New feature checks a hotlist folder or an entire hotlist to ensure the items are current. The What's New feature checks the date of the items listed in your hotlist and displays its findings next to each item in the hotlist. If the date of your current link differs from the file on the server, the Advanced Hotlist Manager



marks the file as
marks it

If the file has moved and no longer exists, Mosaic



with
marks

. If the Web server or Mosaic times out during the date request, it



the item with
a

. If the document hasn't change, Mosaic marks the file with



document icon.



Open All Folders

Displays the contents of all hotlist folders.



Close All Folders

Closes all hotlist folders. Only top level folders will be displayed.



Find Hotlist Item

Opens the Advanced Hotlist Manager's Find Hotlist Item dialog box. Enter the word you are searching for in "Find What:" field and select "Find Next" to begin the search.



Add Current to Folder

If a folder is not selected, Mosaic adds the current page to the bottom of the folder defined in the Add to: field. If a folder is selected, Mosaic adds the link to the bottom of the selected folder. If a hotlist item is selected, Mosaic adds the link above the selected hotlist item.



Help

Opens Mosaic Help

Hotlist:

Displays the directory path and file name of the current hotlist.

Add to:

Displays the name of the folder that is linked to the “Add to Hotlist Folder” button



on the toolbar. When click the button, a link to the current page is
added to
bottom of the folder defined in this field.

Hotlist Display Area

Displays the hotlist folders and hotlist items using a hierarchical tree structure similar to the Windows File Manager. You can move items from one folder to another or arrange the items in a folder by dragging and dropping the folder or item to the desired location.

Data Display Area

Displays information about the item that is highlighted in the hotlist display area. It displays the name of the current folder or the address (URL) of the hotlist item the cursor is pointing. This area also displays a count of the total number of lists and sublists defined in the current hotlist file.

Advance Hotlist Manager Search Menu

Find...

Opens a Find Hotlist Item dialog box. Enter the characters, word(s), or phrase you want to search for in the current hotlist. Click “Find Next” to begin search.

Find Next F3

Initiates a search with the current entry in the Find dialog box. Find Next also has a shortcut key, hit F3 to find the next instance of the current character string.

Advanced Hotlist Manager Help Menu

Contents

_____ Opens the first page of the NCSA Mosaic help pages. NCSA Mosaic Help is context sensitive, just point and click on the item of interest.

Search on Help

_____ Opens a search window relative to Mosaic Help

How To Use Help

_____ Opens the standard Windows Help tutorial.

Mosaic AutoSurf...

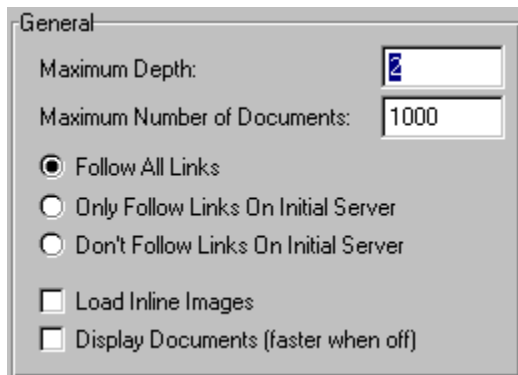
Click on the image for help.



Mosaic AutoSurf was designed to allow users to easily download a number of documents linked to a specific HTML document and save the documents in the disk cache. The disk cache must be enabled to use AutoSurf. This feature is useful to Mosaic users who are limited by a slow connection and/or who pay per hour network access fees. Using Autosurf, you can cut your on-line time down significantly. For example, if you initiate AutoSurf from the NCSA What's New page, you could download all the first level documents while your eating dinner and view them off-line. Mosaic's built-in stand-alone option, mosaic.exe -s, is an ideal way to view local files.

This section defines the characteristics of your search. You can define how deep to search, the type of links to search, whether to download all images and whether you want Mosaic to display the documents as they are being downloaded.

The available options are:



Maximum Depth:

Defines how deep AutoSurf will go before it moves to the next link(Depth First Search) or the max. depth it travels during its total search(Breadth First Search)

Maximum Number of Documents:

A user defined number from 1 - 1000. We ask that you only download a useful number of documents. If this feature is abused, we will have to impose smaller maximum number. Please be responsible and only download a reasonable number of documents that will be useful.

Follow All Links

Follow all links local and remote.

Only Follow Links On Initial Server

Restricts the AutoSurf to the initial server.

Don't Follow Links on Initial Server

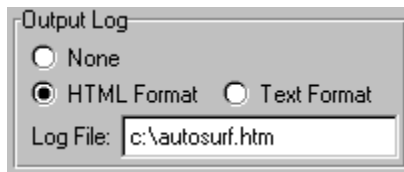
AutoSurf won't follow links on the initial server it will only follow links on remote servers.

Load Inline Images

When enabled, Mosaic downloads the in-line images associated with each document AutoSurf downloads.

Display Documents(faster when off)

Displays the documents as they are being downloaded from the network. For best AutoSurf performance, disable this feature and view the documents from the cache.



Mosaic maintains a log of detailed information about the results of a search. This log file contains the information about the Starting Document, the Maximum Depth, the *Surf* Algorithm, A list of the document addresses, the Number of Documents Loaded, the Number of Errors, Total Elapsed Time, and Total Number of Bytes Downloaded. Mosaic reports this information using the following methods:

None

AutoSurf will not keep a record of the search.

HTML Format

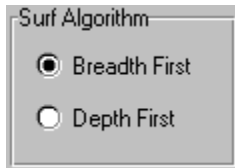
AutoSurf writes the data into an HTML formatted document.

Text Format

AutoSurf writes the data into a simple ASCII file.

Log File:

Defines the directory path and file name to the log file.



Breadth First vs. Depth First

The search method used to AutoSurf is based on the breadth first search or depth first search algorithms. Working under the assumption the page you initiate an AutoSurf represents level "0", the behavior of these search algorithms is as follows.

Breadth First - Using a breadth first search, depth = 2 and a maximum documents = 100, Mosaic downloads the first link on the page.(Level "0"). This link/page represents the first document on level 1. Mosaic continues with level "0" and downloads the second link, then the third, etc. After all the links on level 0 have been downloaded, AutoSurf returns to the first page it downloaded and repeats the process. (Level 1). After all links are downloaded on the first page, Autosurf continues the process with the links (second, third, etc.)on level 1. After all documents are received from level 1, Autosurf moves to Level 2. Autosurf repeats the process until all of the documents at level two have been received or the maximum number of documents is reached.

Depth First - Using a depth first search, depth = 2 and maximum documents = 100, Mosaic downloads the first link on the page then downloads the first link on the that page. Autosurf then downloads all links at level 2 and moves back to level 1 to download all files on level 1. After all level 1 documents are downloaded, Autosurf moves back to level 0 and continues the process on the second link on level 0. AutoSurf continues until all links are exhausted from the second link and then proceeds to the third link on the first document. AutoSurf continues until it reaches the end of the search or the maximum number of documents is reached.

Start

Start AutoSurf. *Kick back and relax.* ;^)

Cancel

Abort AutoSurf.

Mosaic Command Line Options

The Mosaic executable accepts command line switches or parameters that can define its functionality. Click on any of the following switches to learn more about their functions.

-i

-s

-k

-pen

-nosplash

-presentation

-notcpip

-cciserverlimit N

-collablimit N

-collabdroplimit N

-hostcollab

-port

-nodde

The above command line switches can be added to a Mosaic program icon by:

- single click on the Mosaic icon
- select Properties from the Program Manager's File menu
- place your cursor at the end of the **Command line:**
- enter the switch option
- Click OK when finished

Note:

- 1) Spaces exist between executable name, mosaic.exe , the switch and any switch parameters.
- 2) Multiple parameters can be passed on the command line. For example:

Example Command Line:

c:\mosaic\mosaic.exe -i c:\mosaic\mosaic.ini -nosplash -presentation

-i

The **-i** switch allows you to invoke Mosaic using the initialization file defined in the path.

Example Command Line:

e.g., **c:\mosaic\mosaic.exe -i c:\mosaic\mosaic.ini**

The name of the initialization file is arbitrary and if you have a computer with multiple users, you can create a unique Mosaic icon for each user. Each user would need to have a unique Mosaic initialization file allowing them to create a custom environment. For example, change the properties fields to reflect similar information

Description: Terry's Mosaic

Command Line: c:\mosaic\mosaic.exe -i c:\mosaic\terry.ini

NOTE: Mosaic understands multiple command line switches. However, you must separate each switch with a space.

-S

The -s switch tells Mosaic to start in Stand-Alone Mode. Stand-alone mode allows a user to view local documents while not connected to the network. If you try to access a networked file, Mosaic will display an error message reminding you that you are not logged in.

Example Command Line:

e.g., c:\mosaic\mosaic.exe -s

NOTE: Mosaic understands multiple command line switches. However, you must separate each switch with a space.

-k KIOSK Mode

The -k switch invokes Mosaic into kiosk mode. Kiosk Mosaic removes most menu items and will not allow the user to exit from the program.

Example Command Line:

e.g., c:\mosaic\mosaic.exe -k

NOTE: If you add the **-exit** switch to the command line the user can exit the program.

e.g., c:\mosaic\mosaic.exe -k -exit

NOTE: Mosaic understands multiple command line switches. However, you must separate each switch with a space.

Kiosk Mosaic

You can configure Mosaic to run in a kiosk mode. In Kiosk mode, Mosaic is invoked with a limited set of features. This is useful for organizations (e.g., libraries) that want to keep users within a specified set of files or want to protect their system from potentially destructive users. By removing most menu options, Kiosk Mosaic users will be able to view anything but they won't be able to select **Save...** from the **File** menu, change the current preferences or manipulate the hotlist.

You will need to create the desired environment before you invoke Mosaic in Kiosk mode. This can be achieved using the Mosaic Preference sheets. For example, you should determine the desired window size and the included hotlist items before you invoke Mosaic in Kiosk mode.

The available menus and menu items in Kiosk Mode are:

File **Open URL (Ctrl+o)**

Edit **Find (Alt+F3)**

 Find Next (F3)

Navigate **Session History**

Hotlists

The Hotlist menu(s) as defined by the system administrator.

Help **Online Resources**

[Configure Kiosk Mosaic](#)

-pen

Enables middle mouse button control over Mosaic. Depressing the middle mouse button and moving it in one of the following patterns produces the following result.

e.g., C:\mosaic\mosaic.exe -pen

<u>Moving the Mouse</u>	<u>Produces</u>
<u>Left</u>	<u>BACK</u>
<u>Right</u>	<u>Forward</u>
<u>Up</u>	<u>Page Up</u>
<u>Down</u>	<u>Page Down</u>
<u>Backward C</u>	<u>Preferences</u>
<u>L</u>	<u>Home</u>
<u>Upside-down L</u>	<u>Hotlist Manager</u>

-nosplash

Prevents the Mosaic splash screen from appearing.

Example Command Line:

_____ e.g., c:\mosaic\mosaic.exe -nosplash

NOTE: Mosaic understands multiple command line switches. However, you must separate each switch with a space.

-presentation

Presentation Mode

Example Command Line:

e.g., c:\mosaic\mosaic.exe -presentation

NOTE: Mosaic understands multiple command line switches. However, you must separate each switch with a space.

Presentation Mode

Presentation Mode is ideal for giving presentations using HTML documents. Mosaic displays full screen and the only information available to the audience is your presentation material. While in presentation mode all menus, toolbars and status bars are removed from the screen. However, you can configure Mosaic to show the toolbar, the locator bar, and the status bar with the keyboard..

You can enter presentation mode by:

- 1) selecting Presentation Mode from the Options menu
- 2) entering Alt+P from the keyboard
- 3) invoking Mosaic in Presentation Mode

While you're in presentation mode, the following keyboard functions are available:

Alt+P Toggles presentation mode on and off

ESC Turns presentation mode off

Alt+T Toggles the toolbar on and off

Alt+L Toggles the locator bar on and off

Alt+S Toggles status bar on and off

NOTE: The toolbar, locator bar, and status bar are off by default. Toggling while in presentation mode does not affect the default settings.

-hostcollab

Invokes the Mosaic client with the collaborative server. If you do not specify a port number of the host it defaults to port 2112. If you want to specify a port number, must use the -port switch in conjunction with -hostcollab command line switch.

Example Command Line:

_____ e.g., c:\mosaic\mosaic.exe -hostcollab

_____ or

_____ e.g., c:\mosaic\mosaic.exe -hostcollab -port 2001

NOTE: Mosaic understands multiple command line switches. However, you must separate each switch with a space.

-cciserverlimit N

Limits the number of connections the TCP/IP CCI server will accept. . N is equivalent to the number of connections.

Example Command Line:

_____ e.g., c:\mosaic\mosaic.exe -cciserverlimit 5

NOTE: Mosaic understands multiple command line switches. However, you must separate each switch with a space.

-collablimit N

Limits the number of clients during a collaborative session. N is equivalent to the number of collaborators

Example Command Line:

_____ e.g., c:\mosaic\mosaic.exe -collablimit 10

NOTE: Mosaic understands multiple command line switches. However, you must separate each switch with a space.

-collabdroplimit N

Limits the size of the files that can be dragged and dropped on the collaborative session window. . N is equivalent to the maximum file size accepted by the collaboration window. The size of the file is measured in Bytes.

Example Command Line:

e.g., c:\mosaic\mosaic.exe -collabdroplimit 1024

NOTE: Mosaic understands multiple command line switches. However, you must separate each switch with a space.

-nodde

Disables the DDE communications between Mosaic and external applications.

Example Command Line:

_____ e.g., c:\mosaic\mosaic.exe -nodde

NOTE: Mosaic understands multiple command line switches. However, you must separate each switch with a space.

-notcpip

Disables the TCP/IP communications between Mosaic and external applications.

Example Command Line:

_____ e.g., c:\mosaic\mosaic.exe -notcpip

NOTE: Mosaic understands multiple command line switches. However, you must separate each switch with a space.

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Right Mouse Button Menus

The right mouse button(RMB)displays a variety of menus depending on the type of server you are connected to and the type of information the mouse cursor is above. For example, different menus are displayed when Mosaic accesses a WWW document, a Gopher document, an FTP site, or a news server.

Some of the right mouse menu functions are specific to the type of information you are viewing but some functions are common to all the menus.

Common Options

RMB Menus common to most documents.

Inline Image Options

RMB Menus dedicated to inline images.

FTP & News Server Options

RMB Menus dedicated to Mosaic's FTP and News server interface.

Common Right Mouse Button Menu Items

Copy

Copies the selected text to the clipboard.

Save To Disk

Saves the currently displayed file to your disk.

Save As Text

Saves the current file as an ASCII text file (.txt). Save as Text omits from the ASCII file all inline images and any information contained in HTML tables.

Document Header Information

Prompts the server for information about the current document and displays it in a dialog box. The information includes: URL; file size, date, and MIME type; the HTTPd server, and the MIME version used by the server.

Save Background Images

Saves the background of the current document to a local file.

Create Internet Shortcut

Internet Shortcuts create local links to remote documents. These shortcuts represent specific documents on the network and can be managed in a program group. For example, you could check the latest weather satellite image by double clicking on your Weather shortcut. When a shortcut is double clicked, Mosaic is invoked with a specific purpose and it accesses the network for the file defined in the shortcut. Shortcut files have the .url extension and their location is defined by the user.

Spawn Mosaic from Current Page

Creates a new session of Mosaic using the current page as the first page loaded into history.

Change "font name" Font

Changes the characteristics of the current font. For example, to change the size, color, or style of a level one heading font, <H1>, place your cursor over the text formatted as a level one heading and select **Change Heading1 Font** from the right mouse menu. Mosaic opens the font style sheet where you can change the font attributes. Your modifications take place immediately and become the new formatting associated with that font style.

Load Anchor to Disk

Loads the file associated with the current anchor to your local disk.

Add Anchor to Hotlist

Saves the current anchor to a hotlist. When selected, Mosaic prompts you for a title and saves the link with the title to your current hotlist folder. The current hotlist folder is defined in Advanced Hotlist Manager.

Anchor Information

Queries the server for information about the hyperlink. This information includes the address, the size of the file, and if available, the MIME type of the object. The type of information server (e.g., WWW, FTP, Gopher) is also displayed if the data is available from the server.

Inline Image Right Mouse Button Menu Items

Reload

Prompts Mosaic to reload the inline image.

Save Image

Saves an inline image using one of two image formats, Windows BMP format or Remote Site format; BMP format converts the image file to a Windows Bit Map format; Remote Site format saves the image in its original format.

Image Information

Queries the server for information about the image and displays the information that is sent back from the server. This information includes the address, the size and, if available, the MIME type of the image and the type of information server.

Kodak Photo CD

Mosaic is Kodak Photo CD (PCD) enabled. PCD technology offers you a third choice in inline images. This image technology lets you create Web sites that allow readers to interact with images. Kodak PCD images can be zoomed, panned, cropped, rotated, enlarged and reduced. This technology also brings the Kodak Color Management Tools to the Web, which ensures true color in your inline images. For more information about this technology see:

<http://www.kodak.com/digitalImaging/cyberScene/experience.shtml>

Zoom In

Zooms into the image one level

Zoom Out

Zooms out one level

Zoom Crop

Zooms into the selected area

Crop

Applies the focus to one area of the image; select crop and choose the area with the left mouse button.

Enlarge

Enlarges the size of the current image

Reduce

Reduces the size of the current image

Undo

Returns the image to its previous state

Rotate Clockwise

Rotates the image clockwise

Rotate Counter-clockwise

Rotates the image counterclockwise

Pan Left/Up/Right/Down

Moves through the image left, right, up, or down

Full Image

Views the image in its largest format

Reset to Original

Returns the image to the default size

Print This Image

Prints the current image

Display Photo CD Icon

Marks each Photo CD with a small icon

Options

A menu of configurable options available for the current PCD image.

Image URL

Defines the location of the current PCD image

Image Base

Defines the size of the current PCD image and allows you to change the size of the image. The image size is determined in pixels.

Rotation

Defines the current attitude of the image and allows you to change the rotation of the image. Rotation is defined in degrees.

Compression

Define the level of compression is used for the current PCD image.
The higher the compression the lower the resolution of the image.

Color Space

Determines which image type is to be used for the PCD

Reset Image Size

Resets the current image to the default size.

Use Viewer

Sends the current image to an image viewer defined in the Viewer Preference sheet. This viewer is associated with the image/gif or image/jpg MIME types.

FTP & Newsgroup Right Mouse Menu Options

FTP Server Options

View As Text

Downloads a file and displays it as plain ASCII text.

Upload File to Server

Transfers a file from your machine to a remote machine. Log on to an FTP server, select this function, and Mosaic prompts you with an FTP Upload dialog box where you to select a single file or multiple files for uploading to the FTP server.

Newsgroup Options

The newsgroup list

New Subscriptions

Opens the New Subscriptions window where you can add to or delete newsgroups from your current list.

The news article list:

Post to Newsgroup

Posts an article to the current newsgroup.

Catch up on Articles

Marks all articles in the current newsgroup as being read.

Next Subscribed Newsgroup

Moves to the next newsgroup in your list.

Previous Subscribed Newsgroup

Moves to the previous newsgroup in your list.

The news article:

Reply to Author

Sends a private reply to the author of the article.

Follow Up to Article

Sends a public reply to a newsgroup article.

Previous Article

Moves back to the previous article.

Next Article

Moves forward to the next article.

Previous Topic

Moves back to the previous topic.

Next Topic

Moves forward to the next topic.

Back to Last Article List

Returns to the list of topics and articles.

URL

(Uniform Resource Locator) - A URL is a method of addressing an object following a standard syntax. A URL contains following information:

- 1) the protocol being used to access an object
- 2) the name of the machine that houses object
- 3) the directory path to the object
- 4) the name of the object.

The standard form of a URL is:

protocol://machine.name/directory/path/filename.html

For example, the URL to the NCSA Mosaic for Microsoft Windows Home Page is:

<http://www.ncsa.uiuc.edu/SDG/Software/WinMosaic/HomePage.html>

Note: If a file's name is not explicitly defined (ie. HomePage.html), the information server typically returns the index of a directory. On Web servers the index file, index.html, can be linked to a specific file and many information providers elect not to define the top level file. With this in mind, the example URL above is equivalent too:

<http://www.ncsa.uiuc.edu/SDG/Software/index.html>

AND

<http://www.ncsa.uiuc.edu/SDG/Software/WinMosaic/>

MIME (Multipurpose Internet Mail Extensions)

A MIME type defines the content type of a file. MIME information is sent with the first data packet across the network. MIME typing allows the receiver of a file to know what type of file it is before receiving the file. Mosaic uses MIME to determine if it needs to invoke a helper application when it encounters a non-native file type.

Mosaic is capable of handling the following files and MIME types: HTML(text/html), ASCII(text/plain), GIF(image/gif), JPEG(image/jpeg), BMP(image/bmp), XBM(image/xbm) and WAV(audio/wave) file types. All other file types are passed to helper applications.

