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## Introducing Gopher+

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## Gopher+ Concepts

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## What is Gopher+ ?

A Gopher is an Internet-based file retrieval system.

Gopher+ is an application that uses the Gopher plus protocol to communicate with Gopher servers on the Internet.   Gopher+ first connects to a Gopher server, and then displays a menu of Gopher items for you to choose from.

Gopher items can be many different types of files.   Retrieving an item may take you to a subdirectory, another Gopher server, or some type of file that you can use.   These files may consist of text, graphics, sounds, or even video.   They might even be Telnet connections, or allow searches of large collections of documents.

When you select a file, Gopher+ automatically starts the correct viewer application to display that file.   This means that if you copy a text file, Gopher+ starts up the configured text editor that you have on your PC.   If you copy a graphics file, Gopher+ starts the correct image viewer to display that file.   You configure viewers for Gopher+ from the Options menu.

Finding the information you want may require you to explore Gopherspace.   This may involve switching among many different Gopher servers.   To find your way back, Gopher+ allows you to set bookmarks.   Bookmarks specify Gopher items that you marked.   You can click a bookmark to return to an item.   Gopher+ saves these bookmarks in a bookmark file.

**Related Topic**

What is the Gopher plus protocol?
What are Gopher plus attributes?
What are Preferred File Formats?
What are Viewers?
What are Bookmarks?

## What is a Gopher item?

The types of information that you can retrieve from a Gopher server (computers on the Internet that the Gopher+ application connects to for Gopher services).   These items can be files of different types, directories, connections to other Gopher servers, Telnet connections, or   searches of a collection of documents.

**Related Topics**

What is Gopher+?
What is Gopherspace?

## What is Gopherspace?

The collection of all Gopher servers on the Internet.   Anything that you can access via a Gopher application exists in Gopherspace.

**Related Topics**

What is Gopher+?
What is a Gopher item?

## What is the Gopher Plus Protocol?

Gopher servers originally used the Gopher protocol to communicate.   Some Gopher servers use the improved Gopher plus protocol.

The Gopher plus protocol supports attributes.   Attributes provide Gopher+ with information about the file format before you retrieve the file.   This feature lets Gopher start the correct viewer when the file is retrieved.

Gopher items that have attributes that have not yet been retrieved appear with the plus symbol ⊞ next to them.   Click and hold on the symbol and release on the Fetch Attributes box that appears to retrieve the attributes.

Gopher items that have attributes that have already been retrieved appear with the multiview symbol ▣ to their left.   To see a list of information you can get on the item, click and hold the mouse button on the

▣ multiview symbol.   Release on an item to retrieve that information.

**Related Topics**

What are Gopher plus attributes?
What are Preffered file formats?
Setting preferred languages

## Using the Gopher+ Main Window


The main viewing area displays a menu (sometimes called a directory) of <u>Gopher items</u> that you can access.   The title bar indicates which <u>Gopher server</u> menu Gopher+ is presently displaying.   The menu and tool bars provide the Gopher+ commands.   A section of the tool bar also displays the status of any connections in progress.

Each Gopher item has one or more symbols that indicate the item type and has text describing the item.   Double-click on the text for Gopher+ to retrieve that item for you.   If the connection is successful, a new menu of Gopher items appears.

Use the following buttons and commands to navigate with Gopher+:


**To go to**                              **Choose**

Your Home Gopher server   The Home Button 🏠
    **--or--**
                                          Go Home from the Navigate menu.

The previous directory        The Previous arrow button ◁
    **--or--**
                                          Previous Menu from the Navigate menu.

The next directory             The Next arrow button ▷
    **--or--**
                                          Next Menu from the Navigate menu.

The current <u>Bookmark file</u>   The World button 🌐
    **--or--**
    The right mouse button
    **--or--**
                                          Show Bookmarks from the Bookmarks menu.


**Related Topics**

<u>File Menu Commands</u>
<u>Options Menu Commands</u>
<u>Navigate Menu Commands</u>
<u>Bookmarks Menu Commands</u>
<u>Gopher+ Symbols</u>
<u>Using the Gopher+ Tool Bar</u>

## Using the Gopher+ Tool Bar

Use the buttons on the Gopher+ tool bar to accomplish tasks quickly.

**Use this button      To do this**

Switch to the current <u>bookmark file</u>.

Choose the copy mode that Gopher+ uses when it transfers <u>items</u> to your PC.   You can specify that Gopher+ display items, copy items to a file, or copy items to a directory.

Go to your <u>Home Gopher server</u>.

Go to the next open Gopher menu.

Go to the previous open Gopher menu.

**Related Topics**

<u>Using the Gopher+ Main Window</u>
<u>Gopher+ Symbols</u>

## Gopher+ Symbols


The following symbols are used in Gopher+:

The eyeglasses symbol represents a text <u>Gopher item</u>.

The binary symbol represents a Gopher item with the Gopher base type File.

The musical note symbol represents an audio Gopher item.

The CSO symbol represents a connection to a CSO server that provides a directory for a site.

The camera symbol represents an image file Gopher item.

The book pointer symbol represents an index Gopher item.

The film symbol represents a movie file Gopher item.

The H symbol represents a document that contains hypertext links.

The bullet symbol indicates this is an information line and not a Gopher item.

The computer terminal symbol represents a Gopher item that is a <u>Telnet</u> connection.

The IBM terminal symbol represents a Gopher item that is a <u>TN3270</u> remote login connection.

The forward arrow symbol represents proceeding to the next Gopher directory or menu.

The backward arrow symbol represents returning to the previous Gopher directory.

The house symbol takes you to your <u>Home Gopher server</u>.

The question mark symbol represents an item that is unrecognizable to Gopher+.

The plus symbol represents a Gopher item using the <u>Gopher plus protocol</u>, whose <u>attributes</u> Gopher+ has not retrieved.

The multiview symbol represents a Gopher item that has one or more formats for viewing (from Gopher servers using the Gopher plus protocol only).   Clicking this symbol provides information about the file.

This symbol represents a connection to a server.

The eye symbol indicates that Gopher+ retrieves items for you to view on your monitor.

The folder symbol indicates that Gopher+ retrieves and saves items directly to a file.

The open folder symbol indicates that Gopher+ retrieves and saves items to a directory.

## Aborting a Connection

**To abort a connection**

1. Choose the connection button ![icon] for the connection you want to abort, or choose Abort from the File menu.

     The Transfer Terminate dialog box opens.
2. Choose Abort to end the transfer and lose the data already received.
   **--or--**
   Choose End to end the transfer and view the data received so far.

**Related Topics**

Fetch a Gopher Item

## Configuring Gopher+

You can configure Gopher+ by choosing Configure Gopher+ from the Options menu.

Use the Gopher+ Set Up Options dialog box to customize the settings that Gopher+ uses when you start the application.

Use your right mouse button to display popup help topics about what each box in the Gopher+ Set Up Options dialog box does.

## What are Viewers?

Use the Viewer dialog box to configure the viewers that you use with Gopher+.   A viewer application processes a file that Gopher+ retrieves for you.   An image or text viewer displays information.   A sound viewer plays an audio file.   Some viewers perform background processing for you; for example, decompressing compressed files.

You must set up Gopher+ to use the viewers you want after retrieving different file types, such as ASCII, binary, and so forth.   Gopher+ provides settings for several viewer applications.   For these viewers, selecting an item under Select View Types displays the application settings in the Viewer Details and the Transfer Modes boxes.

You can configure viewers by choosing Configure Viewers from the Options menu.

**Related Topics**

Configuring Viewers

## To configure a viewer

1.  From the Options menu, choose Configure Viewers.

2.  From the Select View Type list box, select a view type.

    If the view type already has a viewer associated with it, the parameters appear in the Viewer Details box.

3.  Enter or change the parameters in the Viewer Details box:

    Viewer
    Working Directory
    Extension Guesses
    Save Extension
    Disabled
    Slow weight
    Fast weight

4.  In the Transfer Mode box, select either Binary or ASCII to designate the mode for retrieving files of this view type.

**To add a new view type**

1.  Choose the Add New View Type button.

    The Add a New View Type dialog box appears.

2.  Enter a file type.

3.  Choose OK.

4.  Set up the viewer for the new view type.

**Related Topic**

What are Viewers?
What are Preferred File Formats?

## Displaying Your Connection History

Exploring Gopherspace often involves connecting to several different servers and directories.   Use the Navigate menu to find your way back to directories or Gopher servers that you accessed since you started Gopher+.

**To display your connection history**

1. From the Navigate menu, choose Show History.

   A Gopher menu of servers and directories that you have connected to in this session appears.

2. To reconnect to an item, double-click that item in the menu.
   **--or--**
   To return to the previous menu, click the Previous button in the tool bar.

**Related Topic**

Displaying Your Bookmark History

## Displaying Your Bookmark History

Use the Show Bookmark History command to display a list of the Bookmarks you have used during this connection.

**To display your bookmark history**

From the Bookmarks menu, choose Show Bookmark History.

A Gopher menu of the bookmark menus you used during this connection appears.

**Related Topic**

Displaying Your Connection History

## To Learn about a Gopher Item

You can find information about a gopher item before copying the entire file by fetching Gopher plus attributes.

**To fectch gopher plus attributes**

1. Press and hold the mouse button on the plus symbol ◁ .

    A popup menu appears.
2.    Select the Fetch Attributes option.

    After Gopher+ retrieves the attributes, the symbol changes to ◁ .
Types of attribute information may include an abstract about the item, the size of the file, and the different formats that the file is offered in.

Text files might be available in format such as ASCII, or PostScript, and may also be available in more than one language.   Graphic files might be available in formats such as .GIF (graphical image files).

**To use Gopher plus attributes**

1. Press and hold the mouse button on ◁ .

    A popup menu appears.
2.    Release the mouse button on the attribute you want to retrieve.

**Related Topic**

Getting Gopher Item and Server InformationWhat are Gopher plus attributes?
Fetching Gopher Items in Different File Formats

## Fetching a Gopher Item

**To retrieve a Gopher item**

Double-click the text of the item with the mouse.   This action is the quickest way to choose an item from the Gopher menu.

**--or--**

Select the text of the item with the mouse, and choose Fetch from the Navigate menu.

Gopher+ can retrieve different types of Gopher items. If you select a file or directory that is stored on the Gopher server that your client is currently connected to, Gopher+ gets that item.   If you select a menu item that is a pointer to another Gopher server, Gopher+ attempts to connect to that server.

**Related Topics**

Aborting a Connection
Fetching a gopher item directly to a file or directory

## What are Preferred File Formats?

When a file is available in multiple formats on a Gopher server using the Gopher plus protocol, you can set up Gopher+ to retrieve the file format you prefer.   Do this by assigning different weights to different types of files.   When Gopher+ can retrieve a file in more than one format, it fetches the file with the highest assigned weight.

For example, if you want a .JPG version of a graphics file rather than a .GIF version, you give the .JPG viewer a higher weight in the Viewer dialog box.

In addition, you can specify what type of format to retrieve when you are connected to a server that you have classified in the Servers dialog box as "fast" or "slow."

**Related Topics**

To Set a Preferred File Format
What is the Gopher plus protocol?
What are Gopher plus attributes?

# To set a preferred file format

The Gopher+ client can be configured so that when a Gopher server offers a file in more than one file format, Gopher+ automatically fetches the format you prefer.

**To set preferred file formats**

1. From the Options menu, choose Configure Viewer.

   The Viewers dialog box appears.

2. In the Select View Type box, select the viewer you prefer most.

3. Click the pointer in the Fast Weight box to the right.
   **--or--**
   Enter a number to represent a <u>weight</u>.

4. To save your changes, choose Accept.

5. For other file formats for the same type of file, set decreasing values for the weight in the order that you prefer those formats.

6. To save your changes, choose Accept.

7. Choose Done.

**Related Topics**

<u>What are Preferred File Formats?</u>

## Fetching Multiple Gopher Items

You can have up to three Gopher connections at one time.   This means that you can retrieve more than one Gopher item at the same time.   You retrieve multiple items at the same time by fetching (retrieving) a new Gopher item while Gopher+ is still in the process of getting another item.

Look at the status section of the tool bar to monitor the state of the transfers.   When retrieving multiple Gopher items, the items are displayed when they are finished being copied over the network.   After the transfers are complete, use the arrow buttons in the tool bar to move between the retrieved Gopher items.

**Related Topics**

Aborting a Connection
Use the Gopher+ Tool Bar
Using the Gopher+ Main Window

## Getting Gopher Item and Server Information

The first symbol to the left of a <u>Gopher+ item</u> indicates the type of file it is.   It may be a:

directory
<u>text file</u>
graphics image file
sound file
movie file
<u>Telnet</u> connection

or others (see <u>Gopher+ Symbols</u> for a complete list).

**To get additional Gopher item information**

1.  Select the Gopher item you want information about.

2.  From the Navigate menu, choose Get Info on Item.

**To find out more information about the server that this item is located on**

1.  Select a Gopher item on the <u>server</u> you want information on.

2.  From the Navigate menu, choose Get Info on Server.

**Related Topics**

<u>To Learn about a Gopher item</u>
<u>Gopher+ Symbols</u>

# Connect to a Specific Gopher Server

Use the Connect to a Gopher Server dialog box to connect to Gopher servers around the world.

**To connect to a specific Gopher server**

1. From the Navigate menu, choose Connect to a Gopher.

2. Enter the <u>Internet address</u> or <u>hostname</u> of the server you want to go to.

3. Choose OK.

## Printing Gopher Menus

You can print Gopher menus.

**To print the contents of a Gopher menu**

1. From the File menu, choose Print.

   The Print dialog box appears.

2. Choose OK.

## What are Bookmarks?

Bookmarks allow you to easily return to a specific menu or file in <u>Gopherspace</u>.   When Gopher+ marks an item with a bookmark, it saves the <u>Internet address</u> or <u>hostname</u> of the <u>Gopher server</u>, the port number, the path to the directory or item, and the menu item description.

**Related Topics**

<u>Place a bookmark</u>
<u>Display bookmarks</u>

## To set a bookmark

1. Select the Gopher item you want to mark.

   You can either move to a menu and mark it, or select an item and mark just that item.

2. From the Bookmarks menu, choose Mark Menu.
   **--or--**
   From the Bookmarks menu, choose Mark Item.

   The new bookmark appears in the currently open bookmark file.

3. Remember to save your new bookmarks before exiting Gopher+.   To save bookmarks, choose Save Bookmarks from the Bookmarks menu.

**Related Topics**

Display bookmarks
What are Bookmarks?
Building Bookmark Files
Bookmarks Menu Commands

## Setting Preferred Languages

Use the Languages dialog box to specify the language, or languages, that you want Gopher+ to use when displaying a <u>Gopher item</u>.

When a file is available in multiple languages on a server using the <u>Gopher plus protocol</u>, you can preset the Gopher+ application to display the item in the language you prefer. Assign different <u>weights</u> to different languages to control the languages used for display. When Gopher+ can retrieve a file in more than one language, it retrieves the file with the highest assigned weight.

For example, say that your native language is German and that your second language is English. Assign a higher weight to German than you do for English. When you fetch a Gopher item that has German text available, the German version is automatically retrieved.

You can set preferred languages by choosing Configure Languages from the Options menu.

## To set a preferred language

The Gopher+ client can be configured so that when a Gopher server offers a file in more than one language, Gopher+ automatically fetches the file you prefer.

**To set your preferred language**

1. From the Options menu, choose Configure Languages.

2. In the Select language box, select the language you prefer most.

3. In the Weight box, type an arbitrary number to represent a <u>weight</u>.

4. Choose Accept to save that setting.

5. For other languages, set decreasing values for the weight in the order that you want Gopher+ to retrieve them.

6. When you are finished, choose Done.

## Configuring Servers for Gopher+

Use the Server dialog box to classify different <u>Gopher servers</u> that you connect to as either "fast" or "slow."   Use this in conjunction with the fast and slow weights you set in the <u>Viewers</u> dialog box to configure the types of file formats that Gopher+ retrieves.

Note that the fast and slow classifications do not refer to the speed of the machine, but rather to how fast or slow you think the network access to it is.

You configure servers by choosing Tailor by Server from the Options menu.

# Configuring Servers for Gopher+

Use the Server dialog box to classify different <u>Gopher servers</u> that you connect to as either "fast" or "slow."  Use this in conjunction with the fast and slow weights you set in the <u>Viewers</u> dialog box to configure the types of file formats that Gopher+ retrieves.

Note that the fast and slow classifications do not refer to the speed of the machine, but rather to how fast or slow you think the network access to it is.

**To configure a server**

1. Choose Tailor by Server from the Options menu.

2. To add a fast server, choose Add Fast.
   **--or--**
   To add a slow server, choose Add Slow.

   The Add a Server dialog box appears.

3. Enter the Gopher address of the Gopher server you want to classify, for example:

   gopher.ftp.com

4. Choose OK.

## Setting Fonts

You can change the fonts that Gopher+ uses to display <u>Gopher items</u>, as well as the size, style, and color of the print.

**To change fonts for Gopher item text**

1. From the Options menu, choose Fonts.

2. In the Font dialog box, select the font, size, color, and style you want.

3. Choose OK.

## Building Bookmark Files

To help you organize your bookmarks, you can save the bookmarks to different files. When Gopher+ starts, it loads into memory the default bookmark file, which you set in the Gopher+ Set Up dialog box.   Anytime you create a new bookmark, it is added to the currently open bookmark file.

**Related Topics**

Appending a Bookmark File
Linking Bookmark Files
Loading a Bookmark File
Saving a Bookmark File
Setting Bookmarks

## Fetching a Gopher Item Directly to a File or Directory

You can configure Gopher+ to save retrieved <u>Gopher items</u> directly to a file or a directory. If you set up Gopher+ to copy items to a file, Gopher+ lets you specify a filename when it retrieves an item.   If you set up Gopher+ to copy items to a directory, the application assigns a filename and places the file in the directory that you specified under Save to in the Gopher+ Set Up dialog box.

**Note:**   Copy to File and Copy to Directory modes have no effect on some Gopher items, such as directories, <u>Gopher server</u> links, or <u>Telnet</u> items.

**Related Items**

<u>To Change the Copy mode</u>

## To change the copy mode

1  From the Options menu, choose Set Copy Mode.

   A sub menu with a list of modes appears.

2. From the sub menu, choose View, Copy to File, or Copy to Directory to select the mode you want.

You can also change modes using the mode icon in the tool bar.   The following icons represent the three modes.   Click the current icon to change to another mode.

**Icon**                     **Mode**

      View

      Copy to File

      Copy to Directory

**Related Topics**

Fetching a gopher item directly to a file or directory

## Linking Bookmark Files

You can organize your bookmark files by creating Gopher items that point to different bookmark files.

**To link one bookmark file to another**

1. Open the bookmark file that you want to contain the linked Gopher item.

2. From the Bookmarks menu, choose Create Bookmark.

   The Create/Edit Bookmark dialog box appears.

3. From the Type menu, choose Book Mark.

4. In the Create/Edit Bookmark dialog box, choose the Browse button.

   The Open dialog box appears.

5. Select the filename of the Bookmark file you want to link to.

6. Choose OK.

7. In the Description field, enter the text you want to appear as the Gopher item.

8. Choose OK.

## Saving a Gopher Screen as Text

You can save information that you retrieve with Gopher+ as a <u>text file</u>.

**To save a screen of Gopher items as a text file**

1.  From the File menu, choose Save.

    The Save As dialog box appears.

2.  Enter a filename.

3.  Choose OK.

You can open this file using any text editor.

## Editing a Bookmark

You can change bookmarks after you create them.

**To edit a bookmark**

1. Select the Bookmark you want to edit.

2. From the Bookmarks menu, choose Edit Bookmark.

   The Edit Bookmark dialog box appears.

3. Make changes in any of the provided fields.

4. Choose OK.

**Related Topics**

Creating and Changing Bookmarks
Saving a Bookmark File

## Loading a Bookmark File

You can view and use a <u>bookmark file</u> after you create it.

**To load a bookmark file**

1. From the Bookmarks menu, choose Load Bookmarks.

   The Open dialog box appears.

2. Select the bookmark file you want to open.

3. Choose OK.

**Note:**   You can open only one bookmark file at one time.

**Related Topic**

<u>Linking Bookmark Files</u>

## Saving a Bookmark File

Anytime that you add new bookmarks to a <u>bookmark file</u>, you must save them before quitting Gopher+.

**To save new bookmarks to the currently open bookmark file**

From the Bookmarks menu, choose Save Bookmarks.

**To save a bookmark file with a different filename**

1. Make sure the bookmark file you want to save under a new name is open.

2. From the Bookmarks menu, choose Save Bookmarks As.

   The Save As dialog box appears.

3. Enter a new filename.

4. Choose OK.

## Appending a Bookmark File

You can consolidate a <u>bookmark file</u> by appending one file to the end of another.

**To append one bookmark file to another**

1. Open the bookmark file that you want to append another file to.
2. From the Bookmarks menu, choose Append Bookmarks.

   The Open dialog box appears.
3. Select the bookmark file that you want to append to the first file.
4. Choose OK.
5. Save your bookmarks before quitting Gopher+.

**Related Topics**

<u>Creating and Changing Bookmarks</u>
<u>Saving a Bookmark File</u>

## Removing Old Gopher Menus from Memory

Gopher+ keeps a copy of menus that you have accessed for a given amount of time.   If you think these menus are out of date, you can delete these copies.

**To delete copies of saved menus**

  From the Navigate menu, choose Flush Cache.

All menus will then have to be retrieved over the network.   The present menu is not in the cache. If you want to refresh the present menu, switch to your Bookmarks menu, choose Flush Cache, and then move back to it.

## File Menu Commands

Use the File menu to save and print Gopher menus.

| Use this command | To do this |
| --- | --- |
| Save | Save a Gopher menu to a <u>text file</u>. |
| Print | Print a Gopher menu. |
| Print Extended | Print the current Gopher menu, and include the Gopher item type, the <u>IP address</u> or <u>hostname</u> of the <u>server</u>, and the directory for each Gopher item in the menu. |
| Print Setup | Set up print options. |
| Abort | Exit the Gopher+ application without waiting for any outstanding network connections to terminate. |
| Exit | Exit Gopher+. |

## Options Menu Commands

Use the Options menu to configure Gopher+.

**Use this command**      **To do this**

Set Copy Mode     Specify how Gopher+ copies <u>items</u> to your PC.   The application can display items, copy items to a file, or copy items to a directory.

Configure Gopher+    Configure the application settings that Gopher+ uses at startup.

Configure Viewer     Configure the applications that Gopher+ uses to display different types of files.

Configure Languages      Set the language or languages that you want Gopher+ to use when files are available in more than one language.

Tailor by Server     Classify network access to specific Gopher servers as "fast" or "slow."

Configure Special Features
                 Set Gopher+ options.

Fonts             Set the fonts that Gopher+ uses.

# Navigate Menu Commands

Use the Navigate menu to get information, retrieve Gopher items, and navigate through Gopherspace.

| Use this command | To do this |
| --- | --- |
| Connect to a Gopher | Connect to a Gopher server using the servers Internet address or hostname. |
| Go Home | Connect to the home server specified in the Gopher Set Up dialog box. |
| Fetch Item | Retrieve the selected Gopher item. |
| Show History | Display a list of all the Gopher items you selected since you started the Gopher+ application running. |
| Previous Menu | Return to Gopher menus you previously viewed. |
| Next Menu | Go to the next open Gopher menu. (This works only after you have used the Previous menu command.) |
| Flip | Switch between the current Gopher server menu and the currently open bookmark file. |
| Get Info on Item | Get Internet address or hostname information about the selected Gopher item. |
| Get Info on Server | Get server information about the Gopher server that you are currently connected to.   Individual servers determine the type of information that you receive.   Servers may return information about the server location, administration, and the version of the server. |
| Flush Cache | Deletes copies of menus.   All menus will then have to be retrieved over the network.   The present menu is not in the cache. If you want to refresh the present menu, switch to your Bookmarks menu, choose Flush Cache, and then move back to it. |

## Bookmarks Menu Commands

Use the commands in the Bookmarks menu to manipulate, create, edit, delete, and save your bookmarks.

| Use this command | To do this |
|---|---|
| Mark Item | Set a bookmark to return to a specific <u>Gopher item</u>. |
| Mark Menu | Set a bookmark to return to an entire menu. |
| Go to Bookmark Home | Display the initial <u>bookmark file</u> specified in the Gopher Set Up dialog box. |
| Show Bookmark History | Display a list of the Bookmarks you viewed since you started Gopher+. |
| Show Bookmarks | Display the currently open bookmark file in the main viewing area. |
| Hide Bookmarks | Hide the currently open bookmark file, and return to the current Gopher menu. |
| Remove Bookmark | Remove a bookmark from the current bookmark file. |
| Clear All Bookmarks | Delete all the bookmarks in the current bookmark file. |
| Create Bookmark | Create a new bookmark.  Enter the <u>Internet address</u> or <u>hostname</u> and directory for the bookmark.  (Gopher+ does not need to be at the place where you are setting this bookmark when it is created.) |
| Edit Bookmark | Change the settings of a bookmark. |
| Load Bookmarks | Load a bookmark file. |
| Append Bookmarks | Attach one bookmark file to the end of the current bookmark file. |
| Save Bookmarks | Save any new bookmarks to the currently open bookmark file. |
| Save Bookmarks As | Save the currently open bookmark file with a new filename. |

## Adding a View Type

Use the Add a New View Type dialog box to add another file type to those listed in the Viewer dialog box.

**To add another view type**

1. In the Enter the View Type box, type the name of a file type.
2. Choose OK.

## Adding a Server

Use the Add a Server dialog box to specify a server.

**To add a server**

1. Under Enter Fully Qualified Server Name, type the <u>hostname</u> or <u>IP address</u> of the server.
2. Choose OK.

## Searching Indexes

Use the Index Search dialog box to search for gopher items.

**To search for an entry word**

1. In the Search Strings box, type the characters that you want Gopher to search for.
2. Choose OK.

You can search on items that have the  symbol next to them.

## Display Bookmarks

**To Display the currently open bookmark file**

From the Bookmarks menu choose Show Bookmarks
**--or--**
Click the right mouse button
**--or--**
Choose the world button ◁ from the toolbar.

**Related Topics**

Set a bookmark
Display bookmark history
What are Bookmarks?

## What is Ask Procecessing?

Ask Processing only applies to Gopher items from servers that use the <u>Gopher plus protocol</u>.

When a Gopher item uses Ask Processing, the item prompts you for information that the Gopher item can then use.

Gopher+ displays a dialog box that requests the information.

***Caution:***   You do not know who will receive the information that you are sending.   Be careful not to transmit sensitive information.   For example, do not give out your password and user ID.

## What are Gopher plus attributes?

Gopher plus attributes provide information about an <u>item</u> before you fetch (retrieve) it.

If an item resides on a <u>Gopher server</u> that is using the <u>Gopher plus protocol</u>, a second symbol appears to the left of that item.

**This symbol          Indicates that you can**

View the file attributes by clicking the symbol.

Retrieve Gopher plus attributes.

**Related Topics**

<u>Learn about a Gopher item</u>
<u>Getting Gopher Item and Server Information</u>
<u>What is the Gopher plus protocol?</u>
<u>What are Preferred File Formats?</u>

## Ask Processing

Ask Processing only applies to Gopher items from servers that use the Gopher plus protocol, an improved Gopher protocol implemented on some servers.

When a Gopher item uses Ask Processing, the item prompts you for information that the Gopher item can then use.

Gopher+ displays a dialog box that requests the information.

***Caution:*** You do not know who will receive the information that you are sending.  Be careful not to transmit sensitive information.  For example, do not give out your password and user ID.

## ASCII

An acronym for American Standard Code for Information Interchange. A standard computer character set used in text files that do not include formatting instructions.

## Attributes

Information about an item than you can retrieve with Gopher+.   The attributes might provide an abstract of the item, the size of the file, and the different formats available for the file.

## Binary

A file that contains program instructions. For example, executable files (having an .EXE extension) are binary files.

## Bookmark File

A file that contains the bookmarks that you create for Gopher+ items. Bookmarks include information about items and the location of those items.   You use bookmarks to mark frequently used items and to easily locate and return to items.

## Dot Stuffing

When transferring data in ASCII mode, Gopher+ uses a dot to signify End of File.   This mechanism can cause problems with files that contain lines that start with a dot.   Gopher+ adds extra dots in these lines to identify that this area is not the end of the file.

You need this option when Gopher+ is communicating with the many servers that do not follow the specification for handling dots.   If a file appears corrupted, try setting this option before retrieving the file again.   Although setting this option tries to correct the situation, you might find that some lines are still be corrupted.

## Gopherspace

The collection of all Gopher servers on the Internet.   Anything that you can access via a Gopher application exists in Gopherspace.

## Gopher Items

The types of information that you can retrieve from a Gopher server (computers on the Internet that the Gopher+ application connects to for Gopher services).   These items can be files of different types, directories, connections to other Gopher servers, Telnet connections, or   searches of a collection of documents.

## Gopher plus Protocol

An improved Gopher protocol.   Gopher servers originally used the Gopher protocol to communicate.   Some Gopher servers use the improved Gopher plus protocol.

The Gopher plus protocol supports attributes.   Attributes provide Gopher+ with information about the file format before you retrieve the file.   This feature lets Gopher start the correct viewer when the file is retrieved.

Gopher items that have attributes that have not yet been retrieved appear with the plus symbol ◁ next to them.   Click and hold on the symbol and release on the Fetch Attributes box that appears to retrieve the attributes.

Gopher items that have attributes that have already been retrieved appear with the multiview symbol ◁ to their left.   To see a list of information you can get on the item, click and hold the mouse button on the

◁ multiview symbol.   Release on an item to retrieve that information.

## Gopher+ Viewer Variables

Gopher+ replaces viewer variables with Gopher item information it retrieves from the server it is connected to.   Use the following variables in the Viewer details box to have Gopher+ replace the variable with the appropriate information when starting a viewer.

| Item | Variable |
| --- | --- |
| File name | %f |
| Gopher description | %d |
| Gopher type | %t |
| Host name | %h |
| Internet address | %i |
| Port number | %p |
| Search string | %S |
| %% | %% |

If you use a viewer that requires a parameter that is the same as one of the variables listed, you can insert an additional % before the variable for Gopher+ to use that variable. For example, for the filename variable, you would use %%f.

## Gopher Servers

Computers on the Internet that the Gopher+ application connects to for Gopher services.

# Home Gopher Server

The server that Gopher+ connects to when you start the Gopher+ application.

## Host

A computer on the network.   Your computer is the local host; other computers are remote hosts.

## Hostname

The name assigned to a computer on the network.   A fully qualified hostname has the
form *hostname.subdomain.domain*; for example, gopher.ftp.com.

## Internet

The worldwide collection of networks using the TCP/IP protocol.   The Internet includes sites at universities, research laboratories, corporations, governments, and nonprofit organizations.

## Internet Address

The Internet Protocol (IP) number that uniquely identifies a computer on a network.   The form of an IP address is four groups of numbers separated by periods, for example, 128.127.55.55.

## PostScript

A page description language (developed by Adobe Systems, Inc) that contains instructions for formatting text.

## Telnet

The standard TCP/IP remote login protocol.   With Telnet, you can work from your PC as if it were a terminal physically attached to another machine.

While using Telnet with Gopher+, keep in mind that Telnet is considered a viewer and thus is a separate application from Gopher+.   This means that, unlike Gopher+, you may be required to type in username and password information to access data on some servers.

A Gopher item that is a Telnet connection is represented by the  symbol.

## TN3270

A remote login application that lets you work from your PC as if it were a terminal physically attached to another machine.

The application translates input from your keyboard into a format usable by the remote computer, and that translates output from the remote computer into a format suitable for display on your PC.   This translation process is called terminal emulation.

## Text File

A file that contains information only in text form.

## Weights

Weights are arbitrary numbers that you assign to a file format. When Gopher+ has the choice of fetching a file in more than one format, it fetches the file with the highest assigned weight.

**All SECTIONS AFTER THIS CONTAIN TEXT THAT HAS BEEN CUT FROM THE MAIN HELP TEXT FOR POPUPS IN ftp TRANSITIONAL HELP.**

**Using the gopher+ tool bar   POP UPS**


**Use this button    To do this**

◁        Switch to the current <u>bookmark file</u>.

◁

◁

◁        Choose the copy mode that Gopher+ uses when it transfers <u>items</u> to your PC.   You can specify that Gopher+ display items, copy items to a file, or copy items to a directory.

◁        Go to your <u>Home Gopher server</u>.

◁        Go to the next open Gopher menu.

◁        Go to the previous open Gopher menu.

**Transfer terminate dialog box**

Use the Transfer Terminate dialog box to end a connection.   If a connection becomes inactive, or if a file transfer is taking too long and you do not want to wait, you can abort (close) the connection.

**Configuring Gopher+ popup text**

| | |
|---|---|
| Initial Connection box | Set up the <u>Gopher server</u> and directory that Gopher+ connects to immediately at startup. |
| Files box | Specify a directory to copy temporary files to, and a directory that Gopher+ copies <u>items</u> to if you set up Gopher+ to copy items to a directory. |
| Gopher+ Options box | Select whether Gopher+ should get <u>attributes</u> of Gopher items using the <u>Gopher plus protocol</u> before retrieving a Gopher item.   Also select how Gopher+ processes <u>Ask options</u>. |
| Menus box | Set the amount of time Gopher+ should save Gopher menus. Set a Home <u>Bookmark file</u>. |
| Save button | Save changes you have made to the Gopher+ configuration. |
| Restore button | Restore all Gopher+ configuration settings to the values that were set before you started editing them. |
| Factory button | Set all Gopher+ configuration options to the factory settings, that is to the application default values. |

## Viewer

Enter a command line for the viewer you want to start when Gopher+ retrieves files of the selected view type.   After the command line, enter one or more Gopher+ viewer variables:

| Item | Variable |
| --- | --- |
| File name | %f |
| Gopher description | %d |
| Gopher type | %t |
| Host name | %h |
| Internet address | %i |
| Port number | %p |
| Search string | %S |
| %% | %% |

When you insert a variable, Gopher+ replaces viewer variables with information it retrieves from the server it is connected to.

For example, the entry for a the Wgif viewer for image files might look like wgif %f. Gopher+ would then start the Wgif application when you want to view image files that you retrieve with Gopher+.

If you use a viewer that requires a parameter that is the same as one of the variables listed, you can insert an additional % before the variable for Gopher+ to use that variable. For example, for the filename variable, you would use %%f.

## Working Directory

Type the full pathname of the directory where the viewer is stored.

## Extension Guesses

Type the possible file extensions for the viewer application.   Gopher+ attempts to match the file extension with extensions you specify.

Gopher+ uses this entry when it retrieves items; for example, different types of files. The entry is effective only when you connect to Gopher servers (computers on the network that make Gopher services available to you) that use the Gopher plus protocol.   The Gopher plus protocol is an improved Gopher protocol supported by some servers.

## Disabled

Select this checkbox to turn off the viewer for this view type.   When retrieving a file of this view type, the following message appears:

no viewer for this view type enabled

## Slow Weight

Specify the weight of this view type of Gopher servers in the category slow. Weights are arbitrary numbers that you assign to a file format. When Gopher+ can retrieve a file in one of several formats,   it retrieves the file with the highest assigned weight.

## Fast Weight

Specify the weight of this view type of Gopher servers in the category fast. Weights are arbitrary numbers that you assign to a file format. When Gopher+ can retrieve a file in one of several formats, it retrieves the file with the highest assigned weight.

## Save Extension

Type the extension that you want Gopher+ to use when it saves temporary files generated by the   application when you retrieve a file.

## Creating and Changing Bookmarks

Use the Create/Edit Bookmarks dialog box to create or change references to <u>Gopher items</u>.

You can create bookmarks by choosing Create Bookmark from the Bookmarks menu, or change bookmarks by choosing Edit Bookmark from that menu.

| Use this field | To specify |
|---|---|
| Type | The type of Gopher item (a directory, image file, text file, and so forth). |
| Description | The Gopher item text in the <u>bookmark file</u>. |
| Host | The <u>Internet address</u> or <u>hostname</u> of the <u>Gopher server</u> you want. |
| Port | The port that Gopher+ should connect to on the server.   With Gopher, this is usually port 70. |
| Selector | The directory you want to go to on the Gopher server.   You do not need to specify a directory to connect to the server. |
| Ask Item | Whether to accept <u>Ask</u> item requests. |
| Gopher+ | If the server is using the <u>Gopher plus protocol</u>. |

### Related Topics

<u>Bookmark Commands Menu</u>
<u>Setting Bookmarks</u>

## Configuring Special Gopher+ Features

The Configure Special Features dialog box lets you customize how you use Gopher+ on your PC.

You configure Gopher+ options by choosing Configure Special Features from the Options menu.

**Use this box          To do this**

How to do Dot Stuffing

Set how Gopher+ handles Dot Sutffing.

Show the Multiview Symbol

Set when the multiview symbol  should be displayed.

Feedback Bars

Set whether Gopher+ displays the percentage of transfer complete bars.

Network Buffer Size

Tune Gopher+ performance by adjusting the amount of data it reads from the network at one time.

Ask Dialog Size

Set the size of the dialog box for Ask items.

When to Delete Temp Files

Set Gopher+ to delete temporary files on viewer exit or on Gopher+ application exit.

**FTP Titles**

The "FTP Titles" button in the button bar launches the FTP Reference Desk application. Press this button to display the master title list of online manuals. This button does nothing if the Reference Desk application has not been installed.