Integrated Internet FTP / Personal Server Contents

IIFTP Client/Server Installation

To Install IIFTP, Create a directory and call it for example: C:\IIFTP, Place the following files from the distribution diskette or distribution compressed file into that directory:
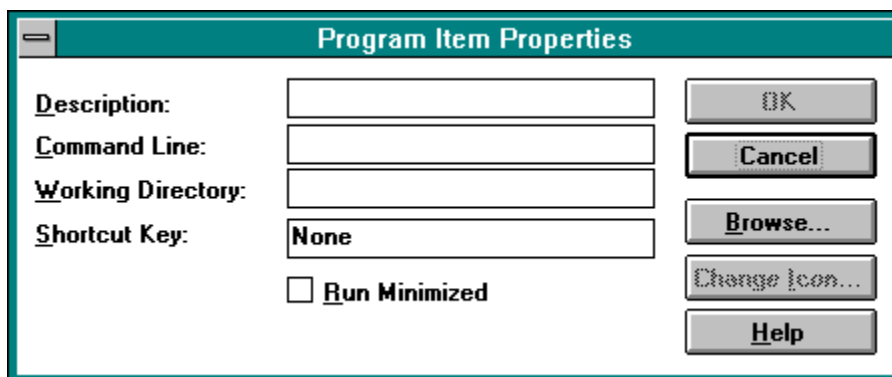
- **IIFTP.EXE**
- **IIFTP.HLP**
- **IIFTP.INI**
- **IIFTP.TXT**
- **IIFTPPS.EXE**
- **IIFTPPS.INI**
- **ORDER.FRM**

If the following files do not already exist in your \WINDOWS\SYSTEM directory, Please Move them to your \WINDOWS\SYSTEM directory from the distribution diskette:

- **WINMSG.VBX**
- **THREED.VBX**
- **CMDIALOG.VBX**

At this point IIFTP is ready to be run, However you may also want to create a Program Manager Icon for IIFTP. To create the Icon, follow these steps:

- Select the *Program Group* you would like to create the Icons in
- Select the *File|New|Program Item* from the pull down menu in the Program Manager
- Type "IIFTP Client" in the *Description Field* of the Program Item Properties Dialog Box
- Click on the *Browse* button, change to the path where IIFTP.EXE is located, Select IIFTP.EXE and Click the *OK* button to except the selection
- The *Command Line Field* should now display the Full Path and Filename of IIFTP.EXE
- The *Working Directory*, *Run Minimized* and *Shortcut Key* fields are optional
- Click the *OK* button to except the New Program Item

IIFTP.EXE is the only Icon you will need to make as the Personal Server can be started form the Client. If you would prefer to make the Personal Server Icon then please repeat the above steps replacing IIFTP.EXE with IIFTPPS.EXE and "IIFTP

Client" with "IIFTP Server".

See Also
Client Features
Server Features
Client Special Considerations
Server Special Considerations

Overview

IIFTP has several options not currently found on other FTP Clients as well as many options currently offered. One of the most unique options to Integrated Internet™ is the FTP "Personal Server". This server will allow connections in either 'anonymous' or 'Username/Password' type logins to your own personal FTP Site. FTP Personal Server has very minimal configuration, you can set anonymous access on or off, specify a default path for anonymous logins and specify a default path for password logins. Anonymous logins have very limited access to your computer while password logins have sufficient control to move, delete, copy or send files and make or remove directories. Due to the fact that this is a personal FTP site, only one login name and password are configurable and the server will only allow one connection at a time to the FTP Site.

"Integrated Internet FTP" is a standard File Transfer Protocol (FTP) client application for Windows Socket

"Integrated Internet FTP Personal Server" is a standard File Transfer Protocol (FTP) server application for Windows Sockets.

Integrated Internet FTP Client Features

- **Password Encryption**
- **Allows Firewall Access**
- **Allows PASV Transfer Mode**
- **Send Mail Via The INTERNAL SMTP Editor**
- **IP Number Caching for Faster Connections**
- **FULL Session Caching for Faster Access to Frequently Used Sites**
- **Access to Cached Directories from a Pull-Down List While Connected to a Remote Site**
- **Local Logon To The FTP Personal Server Via The FTP Client**
- **Quick Connect Feature for Those One-Time Connects**
- **Allows Loading Alternate INI Files From the Command Line or the Main Screen**
- **Allows Alternate PORT Assignments for Logging Into Sites Located on Ports Other Than the *Standard FTP Service Port* of 21**
- **Allows Data Tansfer in ASCII or Binary and is Switchable From the Main Screen**
- **View Files by Date,Size,Name in Either Accending or Decending Order Switchable From the Main Screen**
- **View Directories Sorted or Unsorted Switchable From the Main Screen**
- **View Links as Directories or Files Switchable From the Main Screen**
- **Confirmation on Delete, Replace and Directory Delete Switchable From the Main Screen**

See Also
Client File Commands
Client Command Line Options
Client Special Considerations

Client Command Line Options

-i drive:\path_to_ini_file (must be first on line)
Example: -i C:\WINDOWS\IIFTP.INI

remotehost:/pathname/filename
Example: ftp.microsoft.com:/softlib/mslfiles/vbrun300.exe

See Also
Client Features
Client File Commands
Client Special Considerations

Bug Reports and Suggestions

Send all bug reports, suggestions, etc to iiftp@aquila.com

OR

Mailing Address
Aquila BBS, Inc. C/O Kent D. Behrens
4430 E. New York Street Suite #201
Aurora, IL 60504 USA

Integrated Internet FTP Personal Server Features

Overview   **Installation**   **Registration**   **Copyright**   **Bug Reports**

- **Allows PASV Transfer Mode**
- **Allows Anonymous Connections to be Disabled**
- **Allows Mulitple Username/Password Configurations**
- **Allows the IIFTP Client to AutoStart the Server when Loading**
- **Allows Initial Login Directories to be Set For the Anonymous and Username/Password Logins**
- **Simulates a "UNIX L8 System" So FTP Clients Will Better Communicate With the Server**
- **Security Steps are Taken When Anoymous Users are Logged Into the Server, See the *Server Special Considerations***

See Also
Server Special Considerations

Server Special Considerations

The setup area for "Integrated Internet FTP Personal Server" is located in the FTP Clients Pull Down Menu. Click Personal Server|Server Configuration on the Pull Down Menu to change the default settings in the server. The changes are automatic, the server does not have to be shut-down in order for the changes to take effect. Also the LOG file for the server is removed when the server is shut-down for house-keeping. If you want to save the LOG, make a copy or move it to another location before turning off the server.

If the default login path for anonymous logins is say "c:\pub" then the user can only access directories below "c:\pub" such as "c:\pub\files". The user cannot access "c:\" or any other directory that does not start with   "c:\pub\". The same rule applies for the Password login, however the password login has more rights. The anonymous user can copy files from the access directories, change directories, and in general do anything that would not change anything on your system. The Password user can do virtually anything you can do locally such as Delete, Copy, Rename, Move or Create files and Make or Remove directories. Be very careful to whom you give access to your password account.

See Also
Server Features

Client Special Considerations

When the FTP Client is first run, it will ask for an E-Mail address and a text viewer to use for viewing both local and remote text files. The most common text viewer for Windows is NOTEPAD.EXE which is included with Windows. This viewer is limited in several ways when dealing with text files from other operating systems such as "UNIX" which makes up about 80-90% of all the FTP Sites. Therefore I have defaulted this to "INTERNAL", the internal text viewer will attempt to automatically detect what type of text file is being viewed and display it properly. The E-Mail address needs to be a fully qualified address (i.e. first.last@service.com). This E-Mail address is used for anonymous logins to FTP Sites.

Also when the FTP Client starts it adds the following lines to your WIN.INI:
[IIFTP]
INILOC=drive:\path to IIFTP.INI file
CACHELOC=drive:\path to CACHE files

If you relocate the program in the future IIFTP will update these settings automatically. If you run a second copy of the program in a different directory, it will use the INI file specified by these settings unless you specify on the command line to use an alternate INI file.

See Also
Client Features
Client File Commands
Client Command Line Options

Overview   **Installation**   **Registration**   **Copyright**   **Bug Reports**

Integrated Internet™ File Transfer Protocol Client / Personal Server
Copyright © 1995 by Kent D. Behrens All rights reserved.
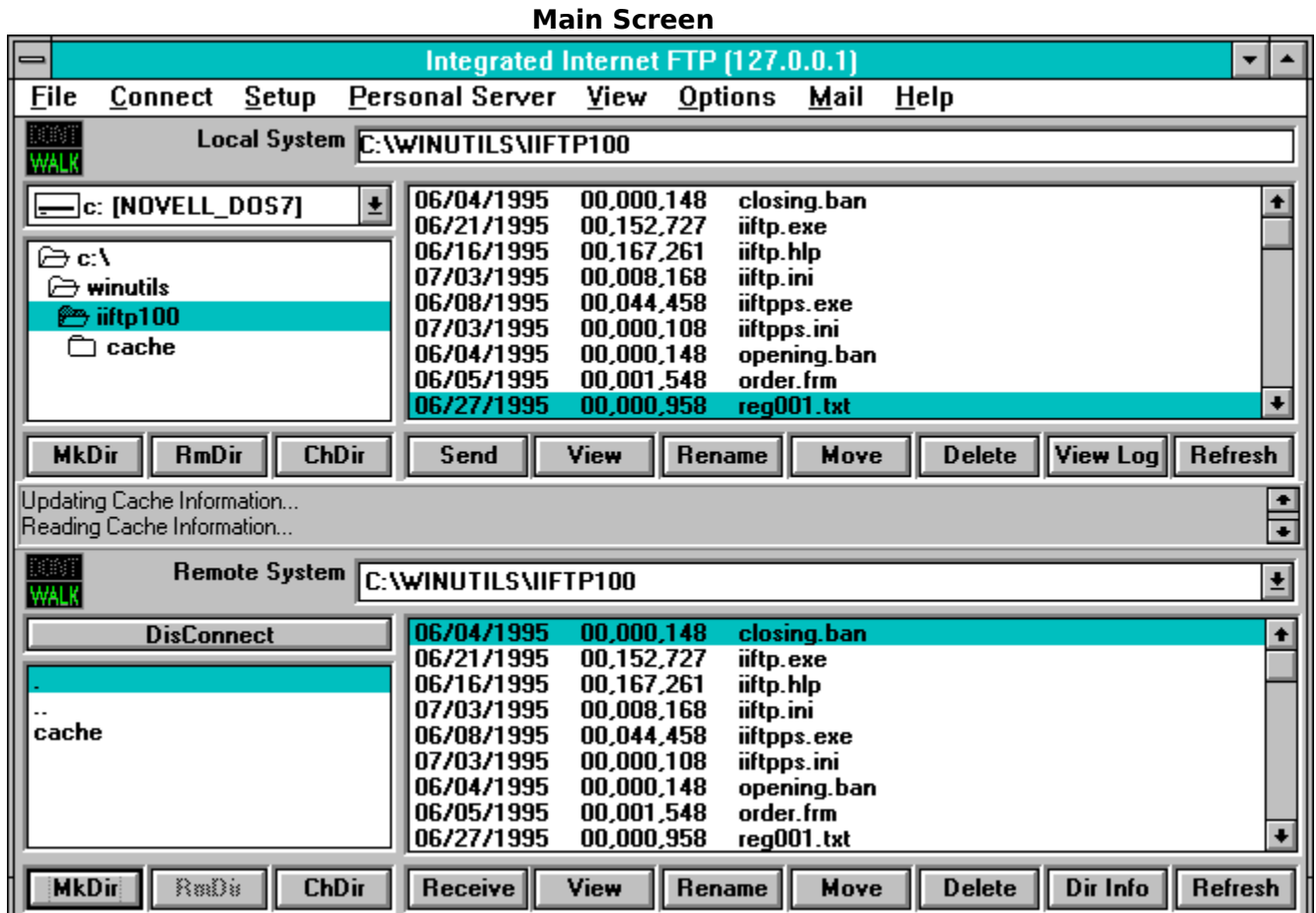Version 1.0.9 as of Jul 3rd 1995

Integrated Internet™ File Transfer Protocol Client / Personal Server is a Shareware program. Please report all bugs, suggestions, and problems to **iiftp@aquila.com**

Mailing Address
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Aurora, IL 60504 USA

Client File Commands

Click on an area of the screen that displays a hand as the mouse pointer

Main Screen

| Integrated Internet FTP (127.0.0.1) | | | | ▼ ▲ |

File   **Connect**   **Setup**   **Personal Server**   **View**   **Options**   **Mail**   **Help**

DON'T WALK   Local System | C:\WINUTILS\IIFTP100

c: [NOVELL_DOS7] ±

06/04/1995	00,000,148	closing.ban
06/21/1995	00,152,727	iiftp.exe
06/16/1995	00,167,261	iiftp.hlp
07/03/1995	00,008,168	iiftp.ini
06/08/1995	00,044,458	iiftpps.exe
07/03/1995	00,000,108	iiftpps.ini
06/04/1995	00,000,148	opening.ban
06/05/1995	00,001,548	order.frm
06/27/1995	00,000,958	reg001.txt

c:\
  winutils
    iiftp100
      cache

MkDir **RmDir** **ChDir**   **Send** **View** **Rename** **Move** **Delete** **View Log** **Refresh**

Updating Cache Information...
Reading Cache Information...

DON'T WALK   Remote System | C:\WINUTILS\IIFTP100 ±

DisConnect

06/04/1995	00,000,148	closing.ban
06/21/1995	00,152,727	iiftp.exe
06/16/1995	00,167,261	iiftp.hlp
07/03/1995	00,008,168	iiftp.ini
06/08/1995	00,044,458	iiftpps.exe
07/03/1995	00,000,108	iiftpps.ini
06/04/1995	00,000,148	opening.ban
06/05/1995	00,001,548	order.frm
06/27/1995	00,000,958	reg001.txt

.
..
cache

MkDir **RmDir** **ChDir**   **Receive** **View** **Rename** **Move** **Delete** **Dir Info** **Refresh**

See Also

This is a visual indication of wheather or not further operations should be attempted on the local system.

If the display if green (WALK), then the system is ready for more instructions.

If the display if red (DONT WALK), then the system is unready for more instructions.

This box diplays the PATH of the local directory.

To change the current drive, pull down this selectable box and choose the appropriate drive to change to.

This box displays the list of available local directories. To change to a different directory, double-click the directory name listed in the box.

This box displays the list of files located in the current local directory. To select a file to perform an operation on (i.e. view,move,etc), click on the filename from the list. To select multipile files, hold down the CTRL key and click on the next file you want selected.

Local Directory Command Buttons

- MKDIR (Make Directory) Displays a dialog box inquiring the name for the new directory
- RMDIR (Remove Directory) Removes the currently selected directory from the local system
- CHDIR (Change Directory) Displays a dialog box inquiring the directory path to change to

Local File Command Buttons

- SEND Starts transfering the currently selected file(s) to the remote system
- VIEW Displays the currently selected file in either the INTERNAL Text Viewer or the user-defined text viewer
- MOVE Displays a dialog box inquiring the new local directory for the selected file(s)
- DELETE Deletes the currently selected file(s) from the local system
- RENAME Displays a dialog box inquiring the new name for the selected file
- REFRESH Re-Displays the current directory and file list
- VIEW LOG While online to a remote site, displays the log of operations that have transpired

Note: If multiple files are selected the VIEW and RENAME options become unavailable
Note: While not online to a remote site the SEND option is unavailable

This area is used to display the comunications that is taking place with the remote server. This is the same information that is written to the log file for the session

This is a visual indication of wheather or not further operations should be attempted on the remote system.

If the display if green (WALK), then the system is ready for more instructions.

If the display if red (DONT WALK), then the system is unready for more instructions.

This box displays the current remote path. This is also a pull-down list of cached directories. If you select a path from this list, IIFTP attempts to make that path the current path

While connected this button will display "DisConnect" and when clicked the system will log out of the remote system

While not connected this button will display "Connect" and when clicked will display the Connect Dialog Screen

This box displays the list of available remote directories. To change to a different directory, double-click the directory name listed in the box.

Note: The "." and the ".." are built in commands. The ".." will move you back to the previous directory and the "." will move you to the remote system's root or initial directory.

This box displays the list of files located in the current remote directory. To select a file to perform an operation on (i.e. view,move,etc), click on the filename from the list. To select multipile files, hold down the CTRL key and click on the next file you want selected.

Remote Directory Command Buttons

- MKDIR (Make Directory) Displays a dialog box inquiring the name for the new directory
- RMDIR (Remove Directory) Removes the currently selected directory from the remote system
- CHDIR (Change Directory) Displays a dialog box inquiring the directory path to change to

Remote File Command Buttons

- VIEW Displays the currently selected file in either the INTERNAL Text Viewer or the user-defined text viewer
- MOVE Displays a dialog box inquiring the new remote directory for the selected file(s)
- DELETE Deletes the currently selected file(s) from the remote system
- RENAME Displays a dialog box inquiring the new name for the selected file
- RECEIVE Starts transfering the currently selected file(s) to the local system
- REFRESH Re-Displays the current directory and file list and refreshes the cache files
- DIR INFO displays the directory list as returned by the remote system

Note: If multiple files are selected the VIEW and RENAME options become unavailable
Note: While not online to a remote site the SEND option is unavailable

Client Profile Configuration

Click on an area of the screen that displays a hand as the mouse pointer

See Also
Client System Configuration
Client Firewall Configuration
Personal Server Configuration

This is the *Profile Name* that's used by IIFTP to retrieve and store saved profile configurations. The profile name must be unique from any other profile name already configured

The *Port* defaults to the *Standard FTP Service Port* of 21. If the FTP Site that you're configuring uses a different port, this field can be changed to the port of the remote FTP Site

This is the *HOST Name* for the FTP Site that you want to configure. This field is required in order for IIFTP to be able to contact the FTP Site. The HOST Name can either be a valid HOST Name like: "ftp.microsoft.com" or a valid IP Address like: "199.23.8.56"

The *USERID* will either be "anonymous" or if you have a secured account on an FTP Site this will be your login ID as assigned by your provider

The *PASSWORD* will either be your E-Mail address or if you have a secured account on an FTP site then this will be the login Password as assigned by your provider

The *Remote Host Dir* is optional. However if used, this field will tell IIFTP to go directly to the specified remote directory when initially logging into the remote site

Like the *Remote Host Dir*, the *Local PC Dir*
is optional. However if used, this field will tell IIFTP
to go directly to the specified local directory when
initially logging into the remote site

The *Last Date On* field is for display and information purposes only. This field cannot be changed from the Profile Configuration Screen. This field is automatically updated every time you successfully login to an FTP Site

This area *Profile Names* is where you select the *Profile* that you would like to connect to. There are several ways to initiate a connection from this area. One way would be to select the Profile by Clicking on the Profile Name, then Click on the Connect button in the lower right side of the screen. Another way would be to Double Click on the Profile Name.

If the *Use Firewall Login* checkbox is checked then IIFTP will attempt to login to your firewall server before attempting to login to the selected FTP site. *NOTE:* you must setup the Client Firewall Configuration before attempting to login with this method

If the *Anonymous Login* checkbox is checked then IIFTP will attempt to login to the selected FTP site using the word "anonymous" as your login User ID and your E-Mail address as your login password. *NOTE:* the E-Mail address IIFTP will use is the address setup in the <u>Client System Configuration</u>

If the *Save Password* checkbox is checked when the *Save Button* is clicked, IIFTP will save the password along with the rest of the configuration. This option is usefull if you have other persons using your copy of IIFTP. When logging into an FTP Site, IIFTP will prompt you for a password to the system if a password is not available for the configuration

The *PASV Data Mode* checkbox informs IIFTP the proper method it should use to transfer files to/from the remote FTP Site. Most Internet Providers do not allow the *PASV Data Mode* due to some security concerns on thier part. If this checkbox is checked, IIFTP will attempt to transfer the data in <u>Pasive Mode</u> otherwise it will transfer the data in <u>Non-Pasive</u> Mode

When checked, the *IP SamrtCache™* checkbox informs IIFTP to use the stored IP Number to connect to the selected FTP Site. When unchecked, IIFTP will try and resolve the Host Name from the *Host Name Field*. The Host Name resolving process can occasionally take quite some time. By caching the IP Number, we can speed up the connection process

When checked, the *Session SmartCache™* checkbox informs IIFTP to not delete the cache files from the FTP Site when you dis-connect. This speeds up the process of working with directories on the next connection to that site. Since most systems directories change on a daily basis, the caching automatically refreshes on the following day

Clicking the *New* button will clear all of the above fields and fill them with the default information. Enter the required and optional information into the above fields. Click the *Save* button to save the New profile to disk

After you have entered all of the required and optional information into the above fields, Click the *Save* button to save the *New* or *Updated* profile information to disk

After selecting a profile from the list in the bottom left corner of the screen, Click the *Connect* button to initate a connection to that site

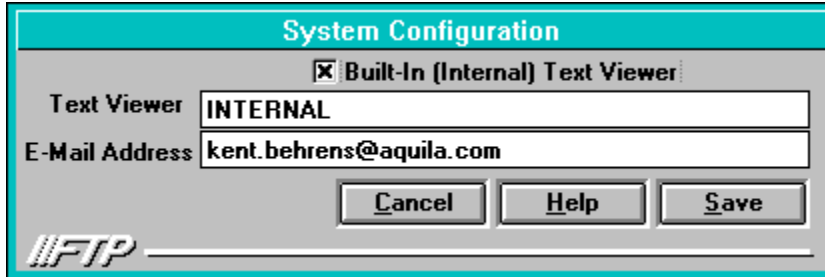Clicking the *Delete* button will cause the currently selected profile to be deleted from the profile configuration

Clicking the *Cancel* button will remove this screen and return you back to the IIFTP Main Screen

Clicking the *Help* button will cause IIFTP to display *Help* on the area that you're currently located in

Client System Configuration

Click on an area of the screen that displays a hand as the mouse pointer

See Also
Client Profile Configuration
Client Firewall Configuration
Personal Server Configuration

Checking this box informs IIFTP to use the *INTERNAL* text viewer for viewing files on the local and remote machines

The field *Text Viewer* is where you would inform IIFTP what viewer to use for viewing files on the local and remote machines

The field *E-Mail Address* requires a fully qualified E-Mail Address like "iiftp@aquila.com" or "kent.behrens@aquila.com". This address is used for logging into remote sites as "anonymous"

Clicking the *Cancel* button will remove this screen
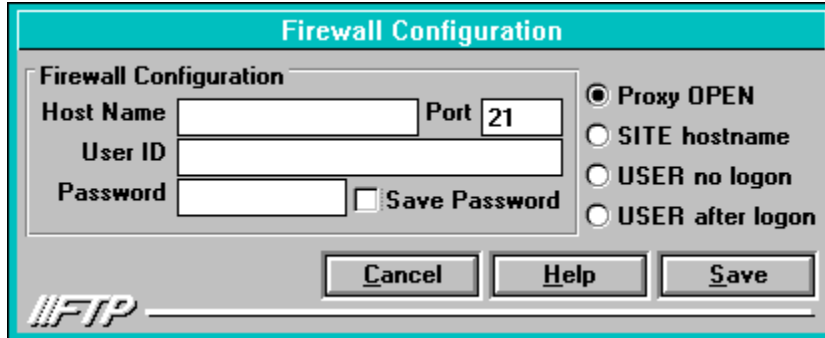and return you back to the IIFTP Main Screen

Clicking the *Help* button will cause IIFTP to display *Help* on the area that you're currently located in

After you have entered all of the required information into the above fields, Click the *Save* button to save the *New* or *Updated* system information to disk

Client Firewall Configuration
Overview   **Installation**   **Registration**   **Copyright**   **Bug Reports**

Click on an area of the screen that displays a hand as the mouse pointer

See Also
Client System Configuration
Client Profile Configuration
Personal Server Configuration

This is the *HOST Name* for the firewall server. This field is required in order for IIFTP to be able to connect to the firewall server. The HOST Name can either be a valid HOST Name like: "ftp.microsoft.com" or a valid IP Address like: "199.23.5.56"

The *USERID* will be the login ID to the firewall server as assigned by your Network Administrator

The *PASSWORD* will be the login password as assigned by your Network Administrator

The *Port* defaults to the *Standard FTP Service Port* of 21.
If the firewall server is located on a different port, this field
can be changed to the port of the firewall server

If the *Save Password* checkbox is checked when the *Save Button* is clicked, IIFTP will save the password along with the rest of the firewall configuration. This option is usefull if you have other persons using your copy of IIFTP. When logging into the firewall server, IIFTP will prompt you for a password to the system if a password is not available for the configuration

The Firewall Mode of *Proxy OPEN* first connects to the firewall server, sends the OPEN hostname command to the firewall server, then logs into the remote site

The Firewall Mode of *USER no logon* first connects to the firewall server, sends the USER userid@hostname command to the firewall server, then logs into the remote site with the password only

The Firewall Mode of *USER after logon* first connects to the firewall server, logs into the server, sends the USER userid@hostname command to the firewall server, then logs into the remote site with the password only

The Firewall Mode of *SITE hostname* first connects to the firewall server, sends the SITE hostname command to the firewall server, then logs into the remote site

Clicking the *Help* button will cause IIFTP to display *Help* on the area that you're currently located in
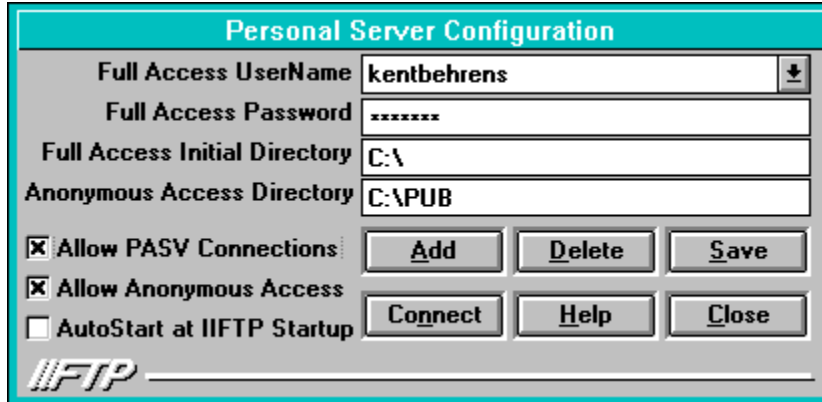
Clicking the *Cancel* button will remove this screen and return you back to the IIFTP Main Screen

After you have entered all of the required and optional information into the fields, Click the *Save* button to save the *New* or *Updated* firewall information to disk

Personal Server Configuration

Click on an area of the screen that displays a hand as the mouse pointer

See Also
Client System Configuration
Client Profile Configuration
Client Firewall Configuration

The *Full Access Username* field is required for logging into the Personal Server with full access privileges

The *Full Access Password* field is required for logging into the Personal Server with full access privileges

The *Full Access Initial Directory* field is optional. It is recommended if you want Full Access to your system to set this directory to C:\ or the drive that you want access to. This This path is desgined to be the TOP accessible path. In other words if the Full Access directory is C:\UPDIR\FTPDIR the user will not be able to access C:\UPDIR. Directories below this path will be fully accessible

The *Anonymous Access Initial Directory* field is optional. It is highly recommended that you set this directory to something like C:\PUB or some other specific directory that you are sure the data is safe to be accessed by anyone that might log into your FTP site

Checking this box will enable *PASV Data Connections* on the server. This simply put means that if requested the server will open the Data Connections rather than the Client.

Checking this box will enable *Anonymous Connections* on the server. Otherwise when a connection is made using anonymous as the User ID the server will simply tell the user that *anonymous access is not accepted at this time*

Checking this box will enable the server to be *Auto Started* when the IIFTP Client loads

Clicking the *Close* button will remove this screen and return you back to the IIFTP Main Screen. Be sure to save any changed information before closing

Clicking the *Help* button will cause IIFTP to display *Help* on the area that you're currently located in

After you have entered the information into the fields, Click the *Save* button to save the *New* or *Updated* server information to disk. The Server does NOT need to be restarted when these fields are changed. The next connection to the server will reflect the *New* information.

Clicking the *Add* button will display a dialog box inquiring the name of the New Username to add to the configuration file

Clicking the *Connect* button will initiate a connection to the Personal Server using the current Username and Password as the login information

Clicking the *Delete* button will remove the current Username, Password and Initial Directory from the configuration file

Registration Form

Your payment will register both the FTP Client and the Personal Server

Payments can be sent Via E-Mail at iiftp@aquila.com, Via Registration Form on my WWW Page at http://www.aquila.com/kent.behrens/iiftpreg.htm, Via Fax at 708-820-8813 or Via Regular Mail at the Address below.

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[   ] Integrated Internet File Transfer Protocol (IIFTP) Client/Server
($25)   _____

Total enclosed   _____

E-Mail Address: _____

Real Name: _____

Address: _____

Address: _____

City, ST Zip: _____

Country: _____

Phone: _____

Payment by:
[   ]Check   [   ]Money order [   ]Cashiers Check [   ]Visa [   ]Master Card [ ]Amex

Card # _____ Exp Date: _____ Signature: _____

Important!   Credit card orders must include the card's "expiration date" or "expiry date".   Checks must be in US funds drawn on a US bank.   If you can't get a check drawn on a US bank, please obtain a "postal money order" in US funds from your local post office.

SURVEY QUESTION:
Where did you get this shareware program? _____

Pasive Mode or PASV Mode simply means that the Server opens the data connection instead of the Client

Non-Pasive Mode simply means that the Client opens the data connection instead of the Server

A DEMO Program designed to be shared by many people in a limited or revised edition for evaluation and consideration of purchase.

FTP is an acronym for *File Transfer Protocol*

Anonymous Logins refers to logging into an FTP Site using "anonymous" as a login username and generally your E-Mail Address as a password