Rocket PASSPORT FTP Client

User's Guide (PC2H)

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Notices

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Website: www.rocketsoftware.com

Rocket Global Headquarters
77 4th Avenue, Suite 100
Waltham, MA 02451-1468
USA

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Canada	1-855-577-4323
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France	08-05-08-05-62
Germany	0800-180-0882
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Table of Contents

Introduction

Welcome to the *Rocket PASSPORT FTP Client - User's Guide*. This guide provides operation instructions and technical reference for the use of the Rocket PASSPORT FTP Client.

PASSPORT FTP Client is a robust, full-featured FTP client that provides fast file transfer between a host system and a client. The PASSPORT FTP Client is launched from within the PASSPORT terminal emulation program using the **Transfer** > **FTP** menu command. The PASSPORT FTP Client also features SSL (FTPS) and SSH (SFTP) secure file transfer.

FTPS provides a secure file transfer through the use of the SSL layer, found below the standard FTP protocol, and encrypts the control and/or data channels. PASSPORT FTP implements FTPS according to IETF RFC 4217 Securing FTP with TLS. The PASSPORT FTP Client connects to a standard FTP server port 21 and begins an unencrypted FTP session as it normally would, then requests that SSL security be used through the AUTH TLS command and performs the necessary SSL handshaking.

PASSPORT FTP Client also supports SSH File Transfer (SFTP). SFTP relies on the SSH protocol to provide secure file transfer. The PASSPORT SFTP is based on the PuTTY SSH implementation for Win 32.

The PASSPORT FTP Client fully adheres to the IETF RFC 959 File Transfer Protocol specification. The FTP Client uses an asynchronous interface to the Windows sockets TCP/IP driver providing the fastest file transfer data rate possible while using a minimal amount of system resources.

The FTP Client features the look and feel of Windows Explorer:

- Menu bar, toolbar and status bar

- Window panes for PC directory structure and file list

- Window panes for Host directory structure and file list

- Window pane for connection log and error messages

- All window panes can be interactively resized

Multiple host profiles can be created and easily selected as needed (PC TO HOST only).

Send and Receive File Transfer can be initiated by the following:

- Drag and drop from one window pane to another window pane

- Transfer>Send and Transfer>Receive menu commands

- Cut, Copy, and Paste using Edit menu commands

- Cut, Copy, and Paste using Ctrl+X, Ctrl+C, and Ctrl+V short-cut keys

- Cut, Copy, and Paste using right mouse button and floating menu bar

Files displayed in the PC and Host window panes can be displayed several ways:

- Large icons

- Small icons

- List

- Detail

Files and icons can be sorted by:

- Size

- Date

- Type

- Permission

- Owner

- Group

- Automatically arranged

Using FTP Client

Adding a Host Profile

Before you can use FTP to connect to a host computer, you must provide information about that host by creating a profile.

To add a host to your current configuration:

1. Choose the **Communication**⟩**Setup** menu command.

2. Choose the **Add** button to display the **Add FTP Host** dialog box.

3. Enter a name for the host that is meaningful to you.

4. Click **OK**. The **Communication Setup** dialog box appears (if it is not already displayed) with the host profile name added to the list.

5. Click the **Settings** tab.

6. Enter your email address in the field provided.

   Note: If you do not enter an email address on the Settings tab, you will have to enter your email address manually in the Password field on the Profiles tab if you select the Anonymous option (step 8).

7. Click the **Profiles** tab.

8. Enter information to define the FTP host. See Communication Setup for specific information on the fields and buttons of this dialog box.

9. Click **OK** to add the host to the **Profile, Cancel** if you have decided not to add this host to the list or Connect to test the host connection.

Error Response from Host

A negative response from the host can result when the host file name does not have the correct syntax for the host operating system you are transferring a file to. For the following IBM host operating systems, make sure the host file name syntax is correct:

VM Operating System

<filename> <filetype> <filemode>

For the VM operating system, file names consist of three parts. Each part is separated by a space.

<filename> is 1 to 8 characters in length.

<filetype> is 1 to 8 characters in length.

<filemode> is 1 alphabetic character followed by an optional numeric character.

Examples:

Profile exec a1

Readme data a2

MVS and OS/390 Operating Systems

There are two types of files: sequential and partitioned datasets. A partitioned dataset is more like a PC directory that contains many member files inside of it. A sequential dataset is more like a regular PC file.

<u>Sequential datasets:</u>

['<high level qualifier>.]<qualifier>.<qualifier>…[']

The sequential dataset file name can consist of many qualifiers separated by the period '.' character. Each <qualifier> must be 1 to 8 characters in length and must begin with an alphabetic character. If the <high level qualifier> is used, the entire file name must be enclosed in single quotes. If the file name is not enclosed in quotes, the default <high level qualifier> is attached to beginning of the file name. The default <high level qualifier> is typically the logon user ID.

Examples:

'P390A.ZEPHYR.DATA'

ZEPHYR.DATA

'SYS1.VTAM.DATA.LIST'

<u>Partitioned datasets:</u>

['<high level qualifier>.]<qualifier>.<qualifier>(<member>)[']

The partitioned dataset consists of qualifiers similar to the sequential dataset. The <member> items are files that are contained inside the partitioned dataset. Each <qualifier> and <member> must be 1 to 8 characters and must begin with an alphabetic character.

Examples:

'P390A.DATA.FILES(FILE1)'

'P390A.DATA.FILES(FILE2)'

DATA.FILES(FILE3)

File Transfer Status Dialog

When one or more files are in the process of transferring, the **File Transfer Status** dialog box will display with the following information:

Sending/Receiving
The dialog box title bar will display Sending or Receiving to indicate the direction of the current file transfer.

Host file name
Indicates the current host file. If multiple files are being transferred, this will change when one file transfer is completed and another starts.

PC file name
Indicates the current PC file. If multiple files are being transferred, this will change when one file transfer is completed and another starts.

Transferred
The following information is displayed regarding the file in progress:

- Bytes transferred

- Percentage of transfer completed

- Transfer rate in Kilobytes per second (KBps)

- Time elapsed in HH:MM:SS format

- Time remaining in HH:MM:SS format

File Size & Type
Indicates the total size and file format (ASCII or Binary) of the current file.

Number of Files Transferred
For multiple file transfers, indicates how many files have completed successfully.

Total Bytes Transferred
Indicates in Bytes the total amount of data that has been transferred.

Abort
While a file transfer is in progress the Abort button is available to cancel the operation. This does not affect files that have already successfully transferred but will prevent any remaining files from transferring.

Finish
If the **Close File Transfer Status Dialog On Completion** option is disabled on the **Settings** tab of **Communication>Setup** then the Finish button must be pressed to close the dialog and return to the PASSPORT FTP Client.

FTP Toolbar

Click ...		To do this ...
	Change Local Path	Changes directory for the local PC files
	Change Host Path	Changes directory for the remote host files
	New Folder	Create a new folder at remote host or local PC
	Delete	Delete files and directories at remote host or local PC
	View File	Open the selected file
	Properties	View the properties of the currently selected file
	Cut	Cut the selection and place it in the Windows Clipboard
	Copy	Copy the selection and place it in the Windows Clipboard
	Paste	Insert Clipboard contents
	Connect	Connect to FTP server
	Disconnect	Disconnect from FTP server
	Cancel	Cancel pending command
	Send to Host	Transfer selected file(s) from PC to host
	Receive from Host	Transfer selected file(s) from host to PC
	ASCII	Set transfer mode to ASCII
	Binary	Set transfer mode to Binary
	Auto	Set transfer mode to Auto
	Large Icons	Display items by using large icons
	Small Icons	Display items by using small icons
	List	Display items in a list
	Details	Display information about each item in the window
	Help Topics	List Help topics
	About	Display program information, version number and copyright

Main Window

Launching FTP displays the **PASSPORT FTP Client** window. This window is similar in look and functionality to those in other Windows-based applications.

The top portion contains the typical Windows items: title bar, menus, and toolbar. Directly below these, the majority of the window area is divided into three horizontal sections. (These sections may be resized by placing the cursor directly on the horizontal line and then clicking and dragging.)

1. The first section is devoted to your **local** computer. This section is a replication of what you see in your Windows Explorer. On the left is the directory "tree" or hierarchy of drives and folders located on your PC. Clicking a drive or folder on the left side displays its contents to the right.

2. The second horizontal section is concerned with those areas of the **host** computer that you can access. Again, the host directory "tree" or hierarchy of folders appears on the left. Clicking a drive or folder on the left displays its contents to the right.

3. The third horizontal section displays the FTP log. When you connect to the host and send or receive files, a list of process activities appear here. These also appear in the Connection Log.

At the bottom of the **PASSPORT FTP Client** window is a status bar for providing information about the current activity, such as the status of the host connection or the size of the file being transferred.

Once the **PASSPORT FTP Client** window is displayed, you are ready to create host profiles and to start an FTP session.

Receiving Files

Once you are connected to the host computer (see Starting an FTP Session), you are ready to transfer files **from** the host **to** your local computer.

To Receive Files:

1. Locate and select a directory on your PC as the destination for the item(s) you want to transfer from the host.

2. Locate and select from the host directory the item(s) you want to transfer to your PC.

3. Choose the **Transfer>Receive** menu command or click the **Receive** button on the toolbar. You can track the progress of the transfer in the FTP Log section of the window.

   Note: Any difference noted between the size of the file in its original location and its size in the new location is the result of different disk formatting protocols. If the file being transferred already exists on your PC, a dialog box warns you, allowing you to decide if you want to replace the old with the new.

4. Continue to send and receive files until you are ready to disconnect from the host.

5. To disconnect, choose the **Communication>Disconnect** menu command or click the **Disconnect** button on the toolbar.

Sending Files

Once you are connected to the host computer (see Starting an FTP Session), you are ready to transfer files **from** your local computer **to** the host.

To Send Files:

1. Locate and select a host directory as the destination for the item(s) you want to transfer from your PC to the host.

2. Locate and select from you PC directory the items(s) you want to transfer to the host.

3. Choose the **Transfer>Send** menu command or click the **Send** button on the toolbar. You can track the progress of the transfer in the FTP Log section of the window.

   Note: Any difference noted between the size of the file in its original location and its size in the new location is the result of different disk formatting protocols.

4. Continue to send and receive files until you are ready to disconnect from the host.

5. To disconnect from the host, choose the **Communication>Disconnect** menu command or click the **Disconnect** button on the toolbar.

Starting an FTP Session

Once you have created a host profile (see [Adding a Host Profile](#)), you are ready to connect to the host computer.

To start an FTP session:

1. Choose the **Communication>Connect** menu command or click the **Connect** button on the toolbar. The **Communication Setup** dialog box appears listing available host profiles.

2. Select from the list of hosts the one to which you want to connect.

   Note: If the desired profile is not on the list, you may add it by clicking the **Add** button.

3. Click the **Connect** button. When the connection is complete, the host directory structure appears.

Note: The status bar provides information on the progress of the connection to the host. This information is also available by choosing the **Communication**>**Connection Log** menu command. The log retains the host information until you quit the application.

Menu Commands

File

File > New

The **File > New** menu command provides three options:

1. File **>** New **>** Configuration (PC TO HOST only)

2. File **>** New **>** Folder

3. File **>** New **>** FTP Site

4. File **>** New **>** Window

The **File > New > Configuration** option allows you to create a new custom configuration file. Multiple configuration files may be stored on the workstation, each having it's own individual setting. This menu command function can be duplicated by the following:

Ctrl + N key sequence

The **File > New > Folder** option allows you to create a new folder in a location you have chosen on your local computer or the remote host computer. This menu command function can be duplicated by the following:

- toolbar button

- Alt + F, N, F key sequence

The **File > New > FTP Site** option allows you to add a new FTP host. (See Adding a Host Profile for a step-by-step guide to doing this.) This menu command function can be duplicated by the following:

- Alt + F, N, S key sequence

The **File > New > Window** option opens a new FTP window with default parameters. This menu command function can be duplicated by the following:

- Alt + F, N, W key sequence

File > Open

The **File > Open** menu command displays the **Open** dialog box, allowing you to open a configuration file other than the default (PASSPORT.zft). Select the appropriate PASSPORT FTP Client configuration file from the list then click **OK**.

The **File > Open** command function can be duplicated by the following:

9

- Ctrl + O

Note: the file menu also maintains a list of the most commonly used configuration files for quick access. The last four configuration files used are kept in this list and may be opened directly from the **File** menu.

File > Save

The **File > Save** menu command saves any changes made to the current configuration file.

The **File > Save** command function can be duplicated by the following:

- Ctrl + S

File > Save As

The **File > Save As** menu command displays the Save As dialog box, allowing you to save the current configuration as a new file or overwrite an existing one.

File > Change Local Path

The **File > Change Local Path** menu command allows you to change the directory on your local computer. A dialog box appears with a text entry box for you to type in the local path or directory that you wish to navigate to. The **OK** button performs the operation and highlights the selected local path in the PC directory pane. The **Cancel** button simply cancels the operation.

The **File > Change Local Path** command function can be accessed by the following:

- toolbar button
- Alt + F, L key sequence
- F3 short cut key

File > Change Host Path

The **File > Change Host Path** menu command allows you to change the directory on your remote host computer. A dialog box appears with a text entry box for you to type in the host path or directory that you wish to navigate to. The **OK** button performs the operation and highlights the selected local path in the PC directory pane. The **Cancel** button simply cancels the operation.

The **File > Change Host Path** command function can be duplicated by the following:

- toolbar button

- Alt + F, H key sequence

- F4 short cut key

File > Delete

The **File > Delete** menu command allows you to delete selected folders or files on your local computer or the remote host computer. A dialog box gives you the opportunity to confirm the deletion (click the **OK** button) or to change your mind (click the **Cancel** button).

The **File > Delete** command function can be duplicated by the following:

- ❌ toolbar button

- Right-click, then click **Delete**

- Alt + F, D key sequence

File > Rename

The **File > Rename** menu command allows you to rename a selected folder or file on your local computer or the remote host computer.

The **File > Rename** command function can be duplicated by the following:

- Right-click, then click **Rename**

- Alt + F, R key sequence

File > View File

The **File > View File** menu command opens the currently selected file on your local computer or the remote host computer using the associated application. If no application is associated with the file, then the application specified in the **Default Viewer** field of the **Settings Tab** in **Communication Setup** will be used to open the file.

File > Properties

The **File > Properties** menu command opens the Properties dialog box containing information about the file or folder currently selected in your local computer or the remote host computer. This dialog box provides information that is found in a standard properties dialog box associated with the Windows Explorer for the local file or folder. For a file or folder located or the remote host computer, the dialog

box provides basic information about the file, such as size, date, and permissions. The information that is displayed for a remote file or folder will depend on the host FTP server.

The **File > Properties** command function can be duplicated by the following:

- Place cursor on file or folder, right-click, then click **Properties**

- Alt + F, P key sequence

File > Exit

The **File > Exit** menu command closes and exits the FTP application.

The **File > Exit** command function can be duplicated by the following:

- Alt + F, X key sequence

File > Exit All

The **File > Exit All** menu command closes and exits all the FTP sessions currently open, both active and not active.

The **File > Exit All** command function can be duplicated by the following:

- Alt + F, E key sequence

Edit

Edit > Cut

The **Edit > Cut** menu command cuts the selection and places it on the clipboard.

Note: This command only applies to files located on the local PC.

The **Edit > Cut** command function can be duplicated by the following:

- toolbar button

- Right-click, then click **Cut**

- Alt + E, T key sequence

- Ctrl + X short cut key

Edit > Copy

The **Edit > Copy** menu command copies the selection and places it on the Clipboard.

The **Edit > Copy** command function can be duplicated by the following:

- toolbar button

- Right-click, then click **Copy**

- Alt + E, C key sequence

- Ctrl + C short cut key

Edit > Paste

The **Edit > Paste** menu command inserts the contents of the Clipboard in the selected location.

The **Edit > Paste** command function can be duplicated by the following:

- toolbar button

- Alt + E, P key sequence

- Ctrl + V short cut key

Edit > Select All

The **Edit > Select All** menu command selects the contents (that appear on the right) of the drive or directory folder selected on the left.

The **Edit > Select All** command function can be duplicated by the following:

- Alt + E, A key sequence

- Ctrl + A

Note: The automatic copying of text only works when text is selected with the mouse, and not the keyboard, therefore Automatic Copy of Selected Area is not available in conjunction with the "Select All" feature.

Edit > Invert Selection

The **Edit > Invert Selection** menu command reverses which content items on the right are selected and which ones are not.

The **Edit > Invert Selection** command function can be duplicated by the following:

- Alt + E, I key sequence

View

View > Toolbar

The **View > Toolbar** menu command makes the toolbar either visible or not visible. A check mark next to the **Toolbar** menu item indicates that the toolbar is visible. This setting is saved in the session profile.

The **View > Toolbar** menu command function can be duplicated by the following:

- Alt + V, T key sequence

View > Status Bar

The **View > Status Bar** menu command makes the status bar either visible or not visible. A check mark next to the **Status Bar** menu item indicates that the status bar is visible. This setting is saved in the session profile.

The **View > Status Bar** menu command function can be duplicated by the following:

- Alt + V, S key sequence

View > Connection Log

The **View > Connection Log** menu command makes the connection log pane at the bottom of the window either visible or not visible. A check mark next to the **Connection Log** menu item indicates that the connection log pane is visible. This setting is saved in the session profile.

The **View > Connection Log** menu command function can also be accessed by:

- Alt + V, C key sequence

View > Large Icons

The **View > Large Icons** menu command displays as large icons the folders and files in the current directory item on both your local computer and the host.

The **View > Large Icons** command function can be duplicated by the following:

- toolbar button

- Alt + V, G key sequence

View > Small Icons

The **View > Small Icons** menu command displays as small icons the folders and files in the current directory item on both your local computer and the host.

The **View > Small Icons** command function can be duplicated by the following:

- toolbar button

- Alt + V, M key sequence

View > List

The **View > List** menu command displays as a list the folders and files in the current directory on both your local computer and the host.

The **View > List** command function can be duplicated by the following:

- toolbar button

- Alt + V, L key sequence

View > Details

The **View > Details** menu command displays the details about each folder and file in the current directory. On the local computer, the available details are **Name**, **Size**, **Type**, and date **Modified**. On the host the available details are **Name**, **Size**, date **Modified**, **Permissions**, **Owner**, and **Group**.

The **View > Details** command function can be duplicated by the following:

- toolbar button

- Alt + V, D key sequence

View > Arrange Icons

The **View > Arrange Icons** menu command provides you with eight choices of ways to arrange the contents icons in the current drive or folder on both your local computer and the host.

The **View > Arrange Icons** command can be duplicated by the following:

Arrange By	Key Sequence
Name	Alt + V, I, N
Size	Alt + V, I, S
Date	Alt + V, I, D
Type	Alt + V, I, T
Permissions	Alt + V, I, P
Owner	Alt + V, I, O
Group	Alt + V, I, G
Auto Arrange	Alt + V, I, A

View > Refresh

The **View > Refresh** menu command allows you to update your directory display to incorporate any modifications made since you booted your local computer or connected to the host.

The **View > Refresh** command function can be duplicated by the following:

- Alt + V, R key sequence

- F5 short cut key

Communication

Communication Setup

Communication > Setup

The **Communication > Setup** menu command displays the **Communication Setup** dialog box, allowing you to add or remove host profiles available for an FTP session.

The **Communication > Setup** property sheet page has five pages that can be configured:

- Profiles

- Firewall

- Settings

- SSH

- SSL

The **Communication > Setup** command function can be duplicated by the following:

- Alt + C, S key sequence

Profiles Tab

The **Profiles** tab is the default tab in the [Communication Setup](#) property sheet.

Profile List
An alphabetical list of the profiles already existing in the current configuration file.

Add
The **Add** button displays the **Add FTP Host** dialog box for creating a new profile. In the **Profile Name** field, enter a name for the host that is meaningful to you and click **OK**.

Edit
The **Edit** button displays the **Add FTP Host** dialog box with the name of the selected host profile appearing in the **Profile Name** field for change.

Remove
The **Remove** button deletes the selected host profile from the list.

Server Type
Select the server type from the drop down. You may select either FTP, SFTP using SSH, or FTP over SSL.

Host Name
Enter the name of the host computer. You may use the URL format or the actual IP address. IPv4 and IPv6 are both supported.

Host Type
Choose from the list of available host types or select Auto Detect to allow the FTP Client to determine what type of host it is connecting to. Sometimes, you will need to choose a specific host type instead of Auto Detect, because different FTP servers list directories differently.

FTP Port
The standard port setting of 21 is entered as a default for FTP and FTPS. The default port for SFTP is 22. However, you may enter a different port.

Anonymous
Click this check box if you do not have a user name and password on the host and the host allows you to enter anonymously. The system automatically enters "anonymous" as the Username and your email address as the Password.

Username
Enter your user name on the host computer. If you are accessing a public FTP server that does not have user name or password restrictions, click the **Anonymous** check box.

Password
Enter your password on the host computer.

Save Password
Checking this box will encrypt your password and save it in the current configuration file so that you do not have to reenter it each time you connect to the host.

Account
Enter the account name on the host computer if one is required. Some hosts require an account name in addition to user name and password.

Timeout (sec)
Enter the number of seconds during which FTP will try to make connection to the host computer before quitting. The default value is 60 seconds.

Retry
Enter the number of times FTP is to try to connect to the host computer after timing out because a connection was not made. The default value is 10 times.

Initial Path
Enter the name of a host directory that you want as the default directory when connecting to the host. This field is optional.

Use PASV Transfer Mode (FTP and FTPS only)
Click this option to indicate that you want to use the passive data transfer mode to initiate the transfer instead of the active mode. In active mode, the FTP client opens a random port, sends the FTP server the random port number on which it is listening over the control channel, and waits for a connection from the FTP server. In passive mode, the FTP server opens a random port, sends the FTP client the server's IP address to connect to and the port on which it is listening over the control channel, and waits for a connection from the FTP client. This setting is recommended if data is to be transferred through a firewall.

> **Note:** If server sends an unroutable address in the PASV reply, Passport will use the server address instead.

Local PC Initial Directory
Enter the name of a directory on your local computer that you want as the default directory when connecting to a specific host computer. This ensures that any transfers are from or into this specific local directory which you have selected for that purpose. A **Browse** button allows you to search for the desired directory. This field is optional.

OK
The **OK** button is available only if you opened the Communication Setup dialog box using the **Communication>Setup** menu command. Clicking this button saves the host profile information you have entered, adds the profile to the list using the name you have entered in the **Profile Name** field of the **Add FTP Host** dialog box, and closes the **Communication Setup** dialog box.

Connect
The **Connect** button is enabled only if there is no active FTP connection. This Connect button has two functions:

1. When you select a host profile from the list, clicking this button starts the connection process.

2. When you add a new host profile, clicking this button adds the new profile to the list and also starts the connection process.

Cancel
The **Cancel** button discards any entries you have made on any of the three tabs and closes the **Communication Setup** dialog box.

Help
The **Help** button displays this help screen.

Firewall Tab

The **Firewall** tab is one of the tabs in the [Communication Setup](#) property sheet. This tab enables you to enter information about the firewall through which you are communicating.

Use Firewall
Select this check box to enable the following fields for entering information about the firewall.

Type
Select the type of firewall from the drop-down list. "SITE hostname" is the default.

Host Name
Enter the name of the firewall.

Port
Enter the port number for the firewall.

Username
Enter your user name to gain access through the firewall.

Password
Enter your password on the firewall.

OK
The **OK** button is available only if you opened the Communication Setup dialog box using the **Communication>Setup** menu command. Clicking this button saves the host profile information you have entered, adds the profile to the list using the name you have entered in the **Profile Name** field of the **Add FTP Host** dialog box, and closes the **Communication Setup** dialog box.

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1. When you select a host profile from the list, clicking this button starts the connection process.

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Cancel
The **Cancel** button discards any entries you have made on any of the three tabs and closes the **Communication Setup** dialog box.

Help
The **Help** button displays this help screen.

Settings Tab

The **Settings** tab is one of the tabs in the Communication Setup property sheet.

Email Address
The email address entered here is automatically entered as the password for any anonymous entries into a host. For this reason, the connection could fail if this field is left blank. For more information on the anonymous setting, see Profiles Tab.

Folder for Temporary Files
This is the directory on the local PC hard drive that is used by the PASSPORT FTP client to store temporary files, such as the files that are created when the remote host lists directory results or when you view a file that is located on the remote host computer. The default directory is the Windows temp directory. The Browse… button can be used to locate another directory to be used.

Default Viewer
This is the Windows program that is used to view a file, whenever there is no program associated with the file extension being viewed. By default notepad.exe is used.

Text File Extensions for Auto-Mode (FTP and FTPS only)
Determines what file extensions to use for ASCII text transfers when Auto transfer mode is selected. Files transferred with extensions listed here will be transferred as text files and all others will be transferred as binary. Extensions should be separated with a semi-colon. By default the following extensions are listed: .txt;.asp;.ini;.htm;.html;.xml.

Low Level Trace
When this option is enabled, the PASSPORT FTP Client writes communication information to a disk file while performing FTP file transfer and other functions. You must exit the FTP Client in order for the trace file to be completely written to disk. The file FTPTRACE.LOG contains the low level trace information. This file is located in the My Documents/Zephyr/Traces folder. This feature is used in trouble shooting advanced file transfer problems. This option may only be enabled/disabled from a disconnected session.

Enable Keep Alive
This option causes the PASSPORT FTP Client to transmit messages to the FTP server at various time intervals to keep the connection alive. If this option is not enabled, some FTP servers will terminate the connection if there is no activity between the server and client after a certain time interval.

Timer value (min)
This value, specified in minutes, is used in conjunction with the Enable Keep Alive feature. This value determines the time interval used when sending keep alive messages to the FTP server. This value must

be less than the time out value set on the FTP server in order for the keep alive mechanism to function properly.

Verify Before Replacing or Overwriting a File
When this option is enabled, a dialog box is displayed with a warning message whenever files are about to be overwritten.

Preserve Date/Time for Downloaded Files
When this option is enabled, files transferred from the host to the local PC will retain their original modified date and time. If time information is not available, a time stamp of 12:00am will be used. If disabled, the file will be created on the PC with the current date and time.

Display Negative Reply from Host in a Dialog Box
When this option is enabled, a dialog box is displayed with information whenever a file transfer failure occurs. These type of errors generally occur when files are being transferred to a host.

Save Window Size and Position
When this option is enabled, the window size and position of the PASSPORT FTP Client is saved in the current configuration file. The next time the PASSPORT FTP Client is started the window size and position are restored.

Close File Transfer Status Dialog On Completion
When this option is selected, the **File Transfer Status** dialog box closes itself when a download is completed. If unselected, the **File Transfer Status** dialog box remains and the user must choose the Finish button to return to the PASSPORT FTP Client window.

Automatically Save Settings without Prompt on Exit
When this option is enabled, changes to FTP settings will automatically be saved when exiting PASSPORT FTP Client. The user will not receive a prompt asking them if they wish to save their changes.

OK
The **OK** button is available only if you opened the Communication Setup dialog box using the **Communication>Setup** menu command. Clicking this button saves the host profile information you have entered, adds the profile to the list using the name you have entered in the **Profile Name** field of the **Add FTP Host** dialog box, and closes the **Communication Setup** dialog box.

Connect
The **Connect** button is enabled only if there is no active FTP connection. This Connect button has two functions:

1. When you select a host profile from the list, clicking this button starts the connection process.

2. When you add a new host profile, clicking this button adds the new profile to the list and also starts the connection process.

Cancel
The **Cancel** button discards any entries you have made on any of the three tabs and closes the **Communication Setup** dialog box.

Help
The **Help** button displays this help screen.

SSH Tab

The **SSH** tab is one of the tabs in the [Communication Setup](#) property sheet. This tab enables you to configure a connection to an Secure Shell (SSH) enabled FTP server. In order to use the PASSPORT SSH feature, you must connect to a host system that supports the SSH Secure Shell protocol. Secure Shell provided by PASSPORT is based on the PuTTY implementation of SSH for Win32.

Protocol Options

Preferred Protocol
Specifies which version of the SSH protocol PASSPORT uses when it establishes a connection to the FTP server. Two versions are available: SSH-1 and SSH-2. SSH-2 is a newer, more secure implementation and is the default setting. With this setting PASSPORT will first attempt to connect using SSH-2 and will try SSH-1 if the server does not support SSH-2. Selecting SSH-2 Only or SSH-1 Only will force the connection to this version of the protocol.

Enable Compression
This enables data compression for the SSH connection. With this option enabled, data sent by the server is compressed before sending, and decompressed at the client end. Likewise, data sent by PASSPORT to the server is compressed first and the server decompresses it at the other end. This can help with low-bandwidth connections.

Authentication

Private Key File for Authentication
Enter the path to the private key file, or locate it using the Browse button.

SSL Tab

The **SSL** tab is one of the tabs in the [Communication Setup](#) property sheet. Using FTPS, sessions are protected from eavesdropping, tampering, or message forgery over TCP/IP. PASSPORT FTP implements FTPS according to IETF RFC 4217: Securing FTP with TLS. The PASSPORT FTP Client connects to the FTP server and begins an unencrypted FTP session as it normally would, then requests that SSL security be used through the AUTH TLS command, and performs the necessary SSL handshake.

Accept Self-Signed Certificates
Enable to accept a self-signed server certificate.

Accept Expired Certificates
Enable to accept a server certificate that has expired.

Accept Not Yet Valid Certificates
Enable to accept a server certificate that has a starting date in the future.

Accept Invalid Certificates
Enable to accept if the server certificate is invalid for any reason other than the date or signature. With this option enabled, the server certificate check will be ignored.

Select Action to Take if Certificate Not Accepted
This option determines how PASSPORT will respond to any items above that are unchecked. The items above that are checked will ignore this option and allow the certificate.

Choose one of the following:

- Ignore Warning and Connect

- Prompt for User Action

- Do Not Connect

Enable Client Authentication
Enable to accept client certificates and select the client certificate to be used from the drop down.

Encrypt Data Channel
Enable encryption of the data channel. The security standard for FTP states that the data channel remains insecure by default. This means that SSL encryption would usually only be enabled on the command channel. Although this would protect from eavesdropping of user names, passwords and file locations, the uploaded and downloaded files would remain vulnerable. By setting the data channel to be encrypted, PASSPORT does not have to implicitly state encryption of the data channel.

Setting the Available Encryption Protocols
To enable or limit the available encryption protocols, you can edit the Passport FTP profile as follows:

In the [Connection] section of Passport FTP client .zfc file or [FTP Server] section of Passport .zws file, add following line:

SSLEnabledProtocols=xxx

Where xxx can be any combination of following:

SSL 3 Client/Server: 48
TLS 1.0 Client/Server: 192
TLS 1.1 Client/Server: 768
TLS 1.2 Client/Server: 3072

For example, if you want to support all of above it will be:

SSLEnabledProtocols=4032

This will support TLS1.0, 1.1 and 1.2 (192+768+3072=4032)

Communication > Connect

The **Communication > Connect** menu command displays the **Communication Setup** dialog box, allowing you to add or remove host profiles available for an FTP session, or connect to an existing host. This command is unavailable when a session is already connected. However, if you create a new window (**File>New>Window**), the **Communication>Connect** command is available for that new session.

The **Communication > Connect** command function can be duplicated by the following:

- toolbar button

- Alt + C, C key sequence

Communication > Disconnect

The **Communication > Disconnect** menu command causes FTP to disconnect and terminate the current session with the host computer. This command is available only when you are connected to a host in the current FTP window.

The **Communication > Disconnect** command function can be duplicated by the following:

- toolbar button

- Alt + C, D key sequence

Communication > Cancel

The **Communication > Cancel** menu command causes FTP to cancel the pending command. This command will terminate the current file transfer, whether you are receiving or sending, or it can terminate the connection when PASSPORT is in the process of logging into the remote computer.

Note: If this command terminates the transfer midstream, the portion of the file already transferred remains in the receiving directory.

The **Communication > Cancel** command function can be duplicated by the following:

- toolbar button

- Alt + C, A key sequence

Communication > Quote

The **Communication > Quote** menu command opens the **Quote** dialog box for entering an FTP command to send directly to the remote server. Click the **OK** button to accept the entry or click the **Cancel** button to cancel the entry.

The **Communication > Quote** command function can be duplicated by the following:

- Alt + C, Q key sequence when you are connected to a host

- F6 short cut key

How to use the Quote command:

1. Select **Communication > Quote**, a Quote dialog box will pop up.

2. Type the FTP command as follows: Command <sp> argument. The <sp> means space, and the argument may or not be needed depending on which FTP command is used.

3. Press the OK button.

Valid FTP commands that can be used:

CD - CHANGE DIRECTORY

CWD - CHANGE WORKING DIRECTORY
This command allows the user to work with a different directory or file storage or retrieval without altering his login or accounting information. Transfer parameters are similarly unchanged. The argument is a path name specifying a directory or other system dependent file group designator.

CDUP - CHANGE TO PARENT DIRECTORY
There are no arguments required.

GET - GET FILE
This command gets a host file from the remote host and transfers it to the PC. The only required parameter is the remote host file name. The complete syntax follows with the optional parameters in brackets.

GET [host-directory]host-filename [local-directory][local-filename]

HELP - HELP
This command causes the server to send helpful information regarding its implementation status over the control connection to the user. The command may take an argument (e.g., any command name) and return more specific information as a response. The server may use this reply to specify site-dependent parameters, e.g., in response to HELP SITE.

LS - LIST FILES
The argument is optional. You may specify a directory name. If the argument is not supplied the current directory is used.

NOOP - NO OPERATION
This command does not affect any parameters or previously entered commands. It specifies no action other than that the server sends an OK reply. There are no arguments required.

PUT - PUT FILE
This command puts a local PC file to the remote host by sending it to the remote host. The only required parameter is the local PC file name. The complete syntax follows with the optional parameters in brackets.

PUT [local-directory]local-filename [[host-directory]host-filename]

QUIT - LOGOUT OF FTP SESSION
There are no arguments required.

SITE - SITE PARAMETERS
This command is used by the server to provide services specific to the system that are essential to file transfer but not sufficiently universal to be included as commands in the protocol. The nature of these

services and the specification of their syntax can be stated in a reply to the HELP SITE command. Arguments depend on operating system.

SYST - SYSTEM

This command is used to find out the type of operating system at the server. There are no arguments required.

TYPE - REPRESENTATION TYPE

The argument specifies the representation type for transferring files.

A - ASCII

I - IMAGE (Binary)

Examples:

The following are some examples of Quote commands that you can use to do a file transfer from your PC to an MVS mainframe:

- SITE LRECL=80 BLKSIZE=3120 RECFM=FB

- SITE PRI=200 SEC=200 TRACKS

- CWD pub

- SYST

Communication > Connection Log

The **Communication > Connection Log** menu command opens the **Pass FTP Log** in a Notepad window. This log provides information about the host to which you are connected.

The **Communication > Connection Log** command function can be duplicated by the following:

- Alt + C, C key sequence when you are connected to a host

Transfer

Transfer > Send

The **Transfer > Send** menu command begins the process of transferring the selected local folders or files to a selected location on the host computer. While the transfer is in progress, the **File Transfer Status – Sending** dialog box appears to keep you updated.

The **Transfer > Send** command function can be duplicated by the following:

- toolbar button

- Alt + T, S key sequence

- F8 short cut key

Note: the last four file transfers are maintained in a list on the **Transfer** menu. This is handy for frequently used file transfers.

Transfer > Receive

The **Transfer > Receive** menu command begins the process of transferring the selected host folders or files to a selected location on the local computer. While the transfer is in progress, the **File Transfer Status – Receiving** dialog box appears to keep you updated.

The **Transfer > Receive** command function can be duplicated by the following:

- toolbar button

- Alt + T, R key sequence

- F7 short cut key

Note: the last four file transfers are maintained in a list on the **Transfer** menu. This is handy for frequently used file transfers.

Transfer > ASCII

The **Transfer > ASCII** menu command allows you to indicate that the files be transferred in ASCII form for FTP and FTPS only. Transfers with SFTP using SSH are always binary.

The **Transfer > ASCII** command function can be duplicated by the following:

- toolbar button

- Alt + T, A key sequence

Transfer > Binary

The **Transfer > Binary** menu command allows you to indicate that the files be transferred in binary form. Transfers with SFTP using SSH are always binary.

The **Transfer > Binary** command function can be duplicated by the following:

- toolbar button

- Alt + T, B key sequence

Transfer > Auto

The **Transfer > Auto** menu command allows the PASSPORT FTP Client to automatically determine the file type based on the file extension for FTP and FTPS only. Transfers with SFTP using SSH are always binary.

The **Transfer > Auto** command function can be duplicated by the following:

- ᴬᵁᵀᴼtoolbar button

Window

Window > Local Directory

The **Window > Local Directory** menu command changes the focus to the local PC directory pane. This is the upper left pane of the window.

This command can also be accessed by:

- Alt + W, L key sequence

Window > Local File

The **Window > Local File** menu command changes the focus to the local PC file pane. This is the upper right pane of the window.

This command can also be accessed by:

- Alt + W, F key sequence

Window > Host Directory

The **Window > Host Directory** menu command changes the focus to the remote host directory pane. This is the middle left pane of the window.

This command function can also be accessed by:

- Alt + W, H key sequence

Window > Host File

The **Window > Host File** menu command changes the focus to the remote host files pane. This is the middle right pane of the window.

This command function can also be accessed by:

- Alt + W, S key sequence

Window > Connection Log

The **Window > Connection Log** menu command changes the focus to the connection log pane. This is the pane at the bottom of the window.

This command function can also be accessed by:

- Alt + W, C key sequence

Window > 1st Horizontal Split

The **Window > 1st Horizontal Split** menu command positions the cursor on the slitter bar between the local PC directory/file panes and the remote host directory/file panes. The cursor can be moved to change the size of the panes.

This command function can also be accessed by:

- Alt + W, 1 key sequence

Window > 2nd Horizontal Split

The **Window > 2nd Horizontal Split** menu command positions the cursor on the slitter bar between the remote host directory/file panes and the connection log pane. The cursor can be moved to change the size of the panes.

This command function can also be accessed by:

- Alt + W, 2 key sequence

Window > Vertical Split

The **Window > Vertical Split** menu command positions the cursor on the slitter bar between the directory panes and the file panes. The cursor can be moved to change the size of the panes.

This command function can also be accessed by:

- Alt + W, V key sequence

Help

Help > Contents and Index

The **Help > Contents and Index** menu command displays this FTP help system. The **Contents**, **Index**, and **Search** tabs operate the same as with any standard Windows help system.

The **Help > Contents and Index** command function can be duplicated by the following:

- toolbar button

- Alt + H, H key sequence

Help > Knowledge Base

The **Help > Knowledge Base** menu command connects you to the Rocket Software knowledge base. The knowledge base contains answers to the most commonly encountered technical issues when using Passport products.

The **Help > Knowledge Base** command function can be duplicated by the following:

- Alt + H, B key sequence

Help > About

The **Help > About** menu command displays the **About Pass FTP** window containing information about FTP itself, such as version number.

The **Help > About** command function can be duplicated by the following:

- toolbar button

- Alt + H, A key sequence

FTP COM Object

Methods & Properties

Close method

Disconnects and logs out of the FTP server.

Syntax

`Object.Close`

Parameters

None

DeleteFile method

Deletes a file on the FTP server.

Syntax

`Object.DeleteFile strRemoteFile`

Arguments

`strRemoteFile`

> Argument type: String Required
>
> Specifies the name of the file (or files) to delete

Disconnect method

Disconnects and logs out of the FTP server.

Syntax

`Object.Disconnect`

Parameters

None

FileAttributesString property

Returns the raw data of the file attributes of the FTP server.

Syntax

`Object.FileAttributesString`

Return data type

String

FileDate property

Returns the date of the file.

Syntax

`Object.FileDate`

Data type

Date

FileDateString property

Returns the string of the date, in the date format of the FTP server, of a file.

Syntax

`Object.FileDateString`

Return data type

String

FileIsDirectory property

If the file is a directory, returns true, otherwise returns false.

Syntax

`Object.FileIsDirectory`

Return data type

Boolean

FileName property

Returns the name of the file.

Syntax

```
Object.FileName
```

```
Returns the name of the file.
```

Return data type

String

FileSize property

Returns the size of the file.

Syntax

```
Object.FileSize
```

```
Returns the size of the file.
```

Property

```
Long (read only)
```

Return data type

Long

FileSizeEx property

Returns the size of the file. If you are working in a development environment that supports 64-bit data values, you can use FileSizeEx for file size values that exceed the Long integer maximum (2,147,483,647).

Syntax

```
Object.FileSizeEx
```

```
Returns the size of the file.
```

Property

```
UINT64 (read only)
```

Return data type

UINT64

FileSizeString property

Returns the size of the file.

Syntax

Object.FileSizeString

Returns the size of the file.

Property

String (read only)

Return data type

String

GetCurrentDirectory method

Returns the current FTP server directory.

Syntax

Value = Object.GetCurrentDirectory()

Returns the current FTP server directory.

Property

String (read only)

Return data type

String

GetNextFileDetails method

Continues the current file search operation initiated by `OpenDirectoryListing` and returns True if successful.

Syntax

`Object.GetNextFileDetails`

Remarks

You must call `GetNextFileDetails` at least once before querying any of the following properties: `FileAttributesString, FileName, FileIsDirectory, FileDate, FileDateString`.

LastError property

Returns an FTP client error value.

Syntax

`Object.LastError`

Return value type

Long

Return value

Returns the error code. Normally, LastError returns 0 for success or an FTP client error value.

Here are some common errors (rcFTP_Error = 0x20000000):

- rcFTP_Error + 0x03: Failed to make a connection
- rcFTP_Error + 0x04: Open/Create local file error
- rcFTP_Error + 0x0E: FTP is not connected
- rcFTP_Error + 0x10: Invalid parameters passed in, such as "Invalid host address", "Invalid username or password"
- rcFTP_Error + 0x18: Socket error, such as "Connection time out" or "Windows sockets initialization failed"
- rcFTP_Error + 0x15: Cannot get file attribute
- rcFTP_Error + 0x1E: Cannot find file

LastErrorString property

Returns the error description for the last error.

Syntax

```
Object.LastErrorString
```

Return value type:

String

Remarks

See common errors listed in the `LastError` property.

Open method

Establishes the connection to an FTP host.

Syntax

```
Object.Open SiteAddress, UserName, Password [,Account] [,ServerPort]
[,PassiveMode]
```

Arguments

`SiteAddress`

> Argument type: String. Required

> Specifies the address of the FTP site, either an Internet address or name.

`UserName`

> Argument type: String, Required

> Specifies the user name for initiating the server login.

`Password`

> Argument type: String, Required

> Specifies the password assigned to user `UserName`. Default is `AnonymousPassword.`

`Account`

> Argument type: String, Optional

> Specifies an account that user `UserName` has rights to access. Default is blank.

`ServerPort`

> Argument type: Integer, Optional

Specifies a nonstandard TCP service port number or socket for FTP. If `ServerPort` is not specified, the standard FTP service port (21) is used.

`PassiveMode`

Argument Type: Boolean, Optional

Specifies whether the client should establish a passive data connection to the FTP server. Default is False.

OpenDirectoryListing method

OpenDirectoryListing

Starts a directory listing in the current directory on the FTP server.

Syntax

Object.OpenDirectoryListing [strRemoteFileFilter]

Starts a directory listing in the current directory on the FTP server.

Arguments

`strRemoteFileFilter`

Argument type: String, Optional. Default is an empty string (""), that is, to list files in the current directory.

This string can contain remote host wildcard characters

ReceiveFile method

Transfers one or more files from the FTP server to a local PC.

Syntax

Object.ReceiveFile strLocalFile, strRemoteFile [, type] [, disp]

Arguments

`strLocalFile`

Argument type: String, Required

Specifies a local file. This string can be empty or can contain just drive and path information, in which case the FTP server file name is used to generate a local file. This string cannot contain wildcard characters.

`strRemoteFile`

> Argument type: String, Required

> Specifies an FTP server file. This string can contain wildcard characters (to transfer multiple files). The wildcard characters must be appropriate for the FTP server.

> **Note**: If you are connected to a VMS host, fully qualified path names are not supported. For these hosts, use SetCurrentDirectory to specify a server location.

`type`

> Argument type: Enumeration, Optional

> Specifies what type of file is being transferred. The possible values are rcAscii (0), rcBinary (1), and rcSmart (3).

`disp`

> Argument type: Enumeration, Optional

Specifies what to do if the received file already exists on the PC. The possible values are rcOverwrite (1), rcAppend (2), default is rcOverwrite

Remarks

Files transferred with extensions, .txt;.asp;.ini;.htm;.html;.xml, will be transferred as text (rcAscii) and all others will be transferred as binary (rcBinary).

RenameFile method

RenameFile

Renames a file on the FTP server.

Syntax

Object.RenameFile strRemoteFile, strNewName

Arguments

`strRemoteFile`

> Argument type: String, required

> Specifies the file to be renamed.

`strNewName`

> Argument type: String, required

Specifies the new name for the file or directory

SendFile method

SendFile

Transfers one or more files from a local PC to the FTP server.

Syntax

Object.SendFile strLocalFile, strRemoteFile [, type] [, disp]

Arguments

`strLocalFile`

Argument type: String, Required

Specifies a local file. This string can contain PC wildcard characters (to transfer multiple files).

`strRemoteFile`

Argument type: String, Required

Specifies a file on the FTP server. This string cannot contain wildcard characters. If this string is an empty string (""), the local file name is used to generate the file name on the FTP server.

Note: If you are connected to a VMS host, fully qualified path names are not supported. For these hosts, use SetCurrentDirectory to specify a host location.
If the parameter, strLocalFile, contains PC wildcard characters, this parameter should be an empty string ("").

`type`

Argument type: Enumeration, Optional

Specifies what type of file is being transferred. The possible values are rcAscii (0), rcBinary (1), and rcSmart (3).

`disp`

Argument type: Enumeration, Optional

Specifies what to do if the received file already exists on the FTP server. Currently, it is always rcOverwrite (=1)

Remarks

Files transferred with extensions, .txt;.asp;.ini;.htm;.html;.xml, will be transferred as text (rcAscii) and all others will be transferred as binary (rcBinary).

SetCurrentDirectory method

Sets the current server directory.

Syntax

Object.SetCurrentDirectory strHostPath

Arguments

strHostPath

>   Argument type: String, Required

>   Specifies the directory on the FTP server.

OpenDirectoryListing

>   Starts a directory listing in the current directory on the FTP server.

Syntax

Object.OpenDirectoryListing [strRemoteFileFilter]

Starts a directory listing in the current directory on the FTP server.

Arguments

strRemoteFileFilter

>   Argument type: String, Optional. Default is an empty string (""), that is, to list files in the current directory.

>   **Note:** This string can contain remote host wildcard characters

SSHPrivateKeyFile property

Sets the SSH Private Key File for Authentication.

Syntax

Object.SSHPrivateKeyFile = Value

Sets the SSH Private Key File for Authentication.

Property

String

Return data type

None

TLSEncryptData property

TLSEncryptData

Returns or specifies whether or not data is encrypted when the FTP client is configured to use SSL encryption.

Syntax

Get: Value = Object.TLSEncryptData

Set: Object.TLSEncryptData = Value

Data type

Boolean, the default value is True.

Remarks

If UseTLS is set to False, this property is ignored.

Tracing property

Enables Tracing.

Syntax

Object.Tracing = Value

Enable Tracing

Property

Int

Return data type

None

UseSFTP property

Returns or specifies whether RocketFTP transfers commands using SFP or not

Syntax

Get: Value = Object.UseSFTP

Set: Object.UseSFTP = Value

Data type

Boolean, the default value is False.

Remarks

If UseSFTP is True, RocketFTP will connect to a host using the SFTP protocol. Therefore, you have to set this property before you call Open function if you want to connect to a SFTP server.

UseTLS property

Returns or specifies whether RocketFTP transfers commands using TLS or not

Syntax

Get: Value = Object.UseTLS

Set: Object.UseTLS = Value

Data type

Boolean, the default value is False.

Sample VBScript

FTP COM Object Sample

The following is a sample VBScript using the Rocket FTPCom Object. This script will log onto an FTP server and report back the number files and directories found. To make it work, you will have to replace "127.0.0.1" with the address of an FTP server that you have an existing logon account, and change the "username" and "password" with your credentials.

```
Sub Main

    Const ftpASCII = 0  'support FTP_ASCII
    Const ftpBinary = 1 'support FTP_IMAGE
    Const ftpSmart = 3  'support FTP_IMAGE
    Const ftpTenex = 4
    Const ftpAskUser = 0
```

```
     Const ftpOverwrite = 1
     Const ftpAppend = 2
     Const ftpCancel = 4
     Const ftpUpdate = 7
     Const ftpSkip = 8
     Const ftpUnique = 12

          Set Ftp = CreateObject( "RocketFTP.FtpSession" )

               If (Ftp Is Nothing) Then

                    MsgBox "Unable to create Rocket FTPCom Object"

                         Else

                              MsgBox "You have successfully connected to
                              the Rocket FTPCom Object, click OK to
                              continue"

               End If

With Ftp

.Open "127.0.0.1", "username", "password"  'Change to your FTP
Server's address and login credentials

     If (.LastError > 0) Then

          MsgBox "Err #: " & Ftp.LastError & vbCr & Ftp.LastErrorString

               Exit Sub

     End If

' .SetCurrentDirectory "\Home"  'This is used to set the desired
directory if other than default
.OpenDirectoryListing "."

     FileCount = 0
     DirCount = 0

FileInfoStr = "Directory Contains:" & vbCr

Do While .GetNextFileDetails

     If .FileIsDirectory = False Then

          DirCount = DirCount + 1

               Else

          FileCount = FileCount + 1

     End If

Loop
```

```
    FileInfoStr = FileInfoStr & "Total Files: " & FileCount & vbCr
    FileInfoStr = FileInfoStr & "Total Directorys: " & DirCount & vbCr

        MsgBox FileInfoStr

            '.ReceiveFile "pc.txt", "host.txt", ftpASCII ''This is
            provided to show the syntax to receive a file
            '.SendFile "pc.txt", "host.txt", ftpASCII     'This is
            provided to show the syntax to send a file

        .Close

    End With

End Sub

Main
```

Troubleshooting

FTP Error Messages

10065   **"Please restart PASSPORT FTP Client for changes to take effect."**

Explanation: You must close PASSPORT FTP client, and restart it for the new language setting to take effect.

User response:
1. Close the PASSPORT FTP client

2. Restart the PASSPORT FTP client.

10098   **"Invalid license code."**

Explanation: The license code you have entered is not valid.

User response:
1. Locate the `passport.key` file. This file is located in the install directory. The default install directory is `C:/Program Files/PASSPORT`.

2. Open the `passport.key` file in a text editor.

3. Copy and paste the license code into the file with the following format:
`[Setup]`
`Key=XXXX-XXXX-XXXX-XXXX`
where *XXXX-XXXX-XXXX-XXXX* is the license code provided by Rocket Software

4. Save and close the `passport.key` file.

15001   **"Maximum of 256 profiles allowed!"**

Explanation: You have reached the maximum number of FTP profiles supported by PASSPORT.

User response: To create another profile, you will have to delete one that's not in use.

15002   **"Profile name already exists. Please type a different profile name."**

Explanation: The profile name that you are trying to add already exists.

User response: Please use a different profile name.

15003   **"Please select a profile first."**

Explanation: You are trying edit or remove a profile before selecting it.

User Select a profile first then click on Edit or Remove.

response:

15004   **"Invalid profile name"**

Explanation: This error occurs because the profile name field is left blank when adding a profile.

User
response:
     Please enter a profile name when adding a profile.

15005   **"Default port number for SFTP/FTP is normally 22/21. Do you want to change the port number to 22/21?"**

Explanation: You will get this warning when switching the server type between FTP (FTPS) and SFTP using SSH.

User
response:
     1. If your SFTP server port is set to 22 then click YES to change the port number. If it's not, then click NO to change it to your desired port number. If you're not sure, contact your FTP administrator to obtain this information.

     2. If your FTP server port is set to 21 then click YES to change the port number. If it's not, then click NO to change it to your desired port number. If you're not sure, contact your FTP administrator to obtain this information.

15006   **"Please add a profile first!"**

Explanation: When you add a new configuration (**File > New > Configuration**), and then click **Communication > Connect** without adding a profile, this error will occur.

User
response:
     You will need to add a profile first then select that profile before connecting.

15007   **"You should at least provide FTP Host Name and Port."**

Explanation: When you are connecting using a profile that does not contain a host name/IP address or connecting through a firewall without its IP address, this error will occur.

User
response:
     Enter a host name or IP address in the required field.

15008   **"Default Viewer can not be empty."**

Explanation: This is the Windows program that is used to view a file, whenever there is no program associated with the file extension being viewed. If there are no viewer specified under the **Communication > Settings** tab then this error will occur.

User
response:
     Specify a Windows program that you want to use to view a file.

15009   **"There is no certificate available in your system store."**

Explanation: There is no certificate available in your Windows certificate store to be used for the SSL
client authentication.

User   1. Ensure that your host system is configured for SSL client authentication.
response:

2. If SSL client authentication is required, you must import your personal certificate to the
Windows certificate store before PASSPORT can use it:

   a. In Internet Explorer, click **Tools > Internet Options**.
   b. In the **Content** tab, click **Certificates**.
   c. Select Client Authentication as the Intended Purpose.
   d. Click **Import**. The Import Wizard will prompt you for the location of your client
certificate.

3. Select the store where you want the certificate to be placed. It is recommended that you
select the option to allow Internet Explorer to Automatically Select the Appropriate Store
Based on the Certificate Type unless you have been instructed otherwise.

4. Click **Finish**.

5. Close Internet Explorer.

6. Restart PASSPORT FTP, and select the certificate from 'My Store'.

15010   **"<FileorFolderName> already exists on the <PCorHost>. Do you want to <SendorReceive>
and replace it?"**

Explanation: File (folder) already exist on local PC or host, do you want to send or receive?

User   1. Click YES/YES TO ALL if you want to proceed and NO or
response:
              2. Click CANCEL if you want to abort the operation.

15011   **"Transfer failed: <FailureReason>"**

Explanation: Transfer failed because of various reasons. In this example, the file being transferred to the
host does not have the MVS dataset name format.

User   Correct the error before performing the next transfer. In this example, rename the file to
response: use the MVS Dsname convention before doing your transfer. Refer to your IBM FTP server
              for the correct format to use.

15012   **"Can't save to <Path>. Do you want to continue exiting?"**

Explanation: Cannot save the FTP profile before exiting.

User   Ensure that you have the necessary permission to save and the FTP profile is not set to read
response: only.

15013   **"Error reply from server: <Error>"**

Explanation: These are error messages being returned from the FTP(S) server due to misconfiguration or
conditions that are not being handled by the server.

User   1. An example is error 550: '550 Directory not empty'. You will receive
response: this error when attempting to delete a directory that contains files if the
              FTP server you are connecting to is configured to only allow deletion of
              empty directories.

              2. For solutions to other errors, contact your FTP server administrator or
              refer to your FTP server documentation.

15014   **"Error code(<ErrorCode>): Unable to run <ProgramName>"**

Explanation: Cannot run the program.

User   Ensure that the program is installed and properly configured on your local PC.
response:

15015   **"<FileorFolderName> already exists on the directory: <Directory>. Would you like to
              replace the existing one?"**

Explanation: When you copy/paste a file/folder that already exists locally, you will get this confirmation
warning.

User   Click YES/YES TO ALL if you want to proceed and NO or CANCEL if you want to abort the
response: operation.

15016   **"Please select file(s) first."**

Explanation: When no local file(s) are selected before performing SEND or no host file(s) are selected
before performing RECEIVE, this error will occur.

User   Select a local file(s) before sending or a host file(s) before receiving.
response:

15017   **"Select only one local folder or file first."**

Explanation: When multiple local/host folder(s) or file(s) are selected before performing RENAME, this
error will occur.

User   Select one local/host folder or file to be renamed at a time only.
response:

15018   **"Please select local folder(s)/file(s) first"**

Explanation: When no local folder(s) or file(s) are selected before performing DELETE, this error will

occur.

User response:	Select a local folder(s) or file(s) before deleting.

15019   **"Are you sure you want to delete these <Number> items?"**

Explanation: This is a warning that you will be deleting these number of items.

User response:	Click YES if you want to proceed and NO you want to abort the operation.

15020   **"Are you sure you want to delete the folder <Name> and all its contents?"**

Explanation: This is a warning that you will be deleting a folder and all of its contents

User response:	Click YES if you want to proceed and NO you want to abort the operation.

15021   **"Are you sure you want to delete <FileName>?"**

Explanation: This is a warning that you will be deleting this particular file.

User response:	Click YES if you want to proceed and NO you want to abort the operation.

15024   **"The File: <FileName> is not a valid PASSPORT FTP configuration file. Please rename this file and then start."**

Explanation: This error will occur when the PASSPORT FTP configuration file is not in a valid format.

User response:	1. Close the PASSPORT FTP Client.

2. Locate the file named `passport.zft` on your system. This file will be located in the User directory that was designated at the time of install. The default user directory is: `My Documents\Passport\`*`Product Name`*.

3. Rename or delete the `passport.zft` file.

4. Restart the PASSPORT FTP Client.

15025   **"Unable to find 'Passport.key'"**

Explanation:	PASSPORT FTP cannot locate the `Passport.key` file, which contains the license code for the product.

User response:	1. Ensure that the `Passport.key` file is available in the program directory. The default program directory is `C:/Program Files/PASSPORT`.

2. If the `Passport.key` file cannot be located, reinstall PASSPORT using the license code provided to you from Rocket Software.

15026   **"Current FTP connection will be terminated to open <ProfileName> configuration. Do you want to continue?"**

Explanation: This warning will occur if you are trying to open FTP configuration while still connecting through your existing FTP connection.

User response: Click YES if you want to proceed and NO you want to abort the operation.

15027   **"Failed to create folder <FolderName>"**

Explanation: Failed to create folder on SFTP server because you do not have permission.

User response: Ensure that you have the necessary permission to create folders.

15028   **"Failed to delete following folder: <FolderName>"**

Explanation: Failed to delete folder on SFTP server because its not empty or you do not have permission.

User response: Ensure that the folder is emptied and you have the necessary permission to delete folders.

15029   **"Please select a local folder first"**

Explanation: When you are trying to transfer a file or a folder from the host without specifying a destination on the local PC, this error will occur.

User response: Specify a destination on the local PC before performing the transfer.

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