

BlueZone Secure FTP

User's Guide

Version 6.1

September 2012
BZSF-0601-UG-01



Notices

Edition

Publication date: September 2012

Book number: BZSF-0601-UG-01

Product version: BlueZone Secure FTP Version 6.1

Copyright

© Rocket Software, Inc. 1996–2012. All Rights Reserved.

Trademarks

Rocket is a registered trademark of Rocket Software, Inc. For a list of Rocket registered trademarks go to: www.rocketsoftware.com/about/legal. All other products or services mentioned in this document may be covered by the trademarks, service marks, or product names of their respective owners.

Examples

This information might contain examples of data and reports. The examples include the names of individuals, companies, brands, and products. All of these names are fictitious and any similarity to the names and addresses used by an actual business enterprise is entirely coincidental.

License agreement

This software and the associated documentation are proprietary and confidential to Rocket Software, Inc., are furnished under license, and may be used and copied only in accordance with the terms of such license.

Note

This product may contain encryption technology. Many countries prohibit or restrict the use, import, or export of encryption technologies, and current use, import, and export regulations should be followed when exporting this product.

Contact information

Website: www.rocketsoftware.com

Rocket Software, Inc. Headquarters
77 4th Avenue, Suite 100
Waltham, MA 02451–1468
USA
Tel: +1 781 577 4321
Fax: +1 617 630 7100

Contacting Global Technical Support

If you have current support and maintenance agreements with Rocket Software, you can access the Rocket Customer Portal and report a problem, download an update, or read answers to FAQs. The Rocket Customer Portal is the primary method of obtaining support.

To log in to the Rocket Customer Portal, go to:

www.rocketsoftware.com/support

If you do not already have a Rocket Customer Portal account, you can request one by clicking **Need an account?** on the Rocket Customer Portal login page.

Alternatively, you can contact Global Technical Support by email at support@rocketsoftware.com.

Contents

Notices	2
Contacting Global Technical Support	3
What's new in this release.....	6
Help options.....	7
Chapter 1: Introduction	8
Major features.....	8
Displaying program information.....	9
Chapter 2: Start BlueZone Secure FTP.....	11
Launching from a command line	11
Launching from other BlueZone applications.....	11
Chapter 3: Application desktop	13
Window view mode.....	13
Menu options	14
Toolbar options	16
Status bar indicators	18
File properties.....	18
View properties.....	22
Chapter 4: Connect to the Host System.....	23
Session configuration	23
Connections tab.....	23
Options tab	24
License Manager tab	24
Define new connections.....	25
Connection tab	25
Initial Commands tab	26
Miscellaneous tab.....	26
Schedule tab.....	27
Firewall tab.....	29
Security tab	29
Certificate tab	31
Bidi tab	31
Establishing host sessions.....	32
Chapter 5: Execute file transfers.....	33
Transfer options.....	33
Options tab	33
Auto Mode tab.....	34
Sending files to the host.....	34
Receiving files from the host	35
iSeries (AS/400) data transfer.....	35
Receiving data files from the host system	36
Sending data files to the host system.....	36
Chapter 6: Transfer list feature.....	38
Use transfer List	38
Transfer list format	38
Transfer list command line switch	39
Tips.....	39
Chapter 7: Configuration management	40
Resetting configuration items	40
Configuration files.....	40
Chapter 8: DOS command line support.....	42

Supported FTP commands.....	43
Control encryption from the command line.....	46
iSeries file transfer from the command line.....	46
Chapter 9: How to guide	48
File transfer tasks.....	48
Creating batch FTP transfers on a power key.....	48
Using the initial commands feature	48
Using the scheduling feature.....	49
Sending FTP commands manually.....	49
Sending custom FTP commands manually.....	50
File transfer options.....	50
Setting the transfer mode option	50
Automatically closing BlueZone FTP after file transfers	50
Using the PC time for time stamp	51
Miscellaneous options.....	51
Prompting for destination name before file transfer	51
Disabling automatic LIST after connect and uploads	51
Overwriting the LIST command with a custom command	51
Enabling or disabling passive mode.....	51
Enabling the keep alive timer	52
Sending a custom directory prefix on uploads.....	52
Enabling reduced buffer size	53
Additional features and options.....	53
Configuring the License Manager IP address.....	53
Customizing the power keys.....	53
Un-docking and re-docking the power keys.....	53
Copying the Status window contents to a file.....	54
Recording traces.....	54
Configuring the logging feature.....	54
Using the shell extension feature	54
Configuring the clear control channel feature	55
Configuring mouse options.....	55
Configuring FTP with Arabic support	56
Appendix A: Command line switch table.....	58
Related information.....	59
Index.....	61

What's new in this release

This section summarizes the significant improvements or enhancements for BlueZone Secure FTP Version 6.1 and refers you to relevant sections of this book for more information. Minor modifications to the text are not listed.

BZSF-0601-UG-01 September 2012

- The method to configure the help options have changed. Refer to [Help options, on page 7](#) for more information.
- The **Prompt to Reconnect to Last Directory when disconnected** check box in the Session Configuration window has been replaced with the **Auto-Reconnect to Last Directory when Disconnected by the Host** check box. Refer to [Session Configuration - Connections tab](#) for more information.
- "Limit FTP server features to RFC959" is a new check box in the Miscellaneous Options tab of the Define New Connection window. Refer to [Miscellaneous tab, on page 26](#) for more information.

Help options

BlueZone products offer two ways to access help information: a locally installed .chm file or Web-based HTML help.

By default, BlueZone Desktop is configured to use the locally installed help file. If you want to use Web help, you must edit the `global.ini` file:

1. Open `global.ini` in a text editor.
2. In the `[Help]` section, change `UseWebHelp=No` to `UseWebHelp=Yes`.
3. Save and close the file.
4. Run `setup.exe` to reinstall BlueZone.

Note

BlueZone will continue to use the locally installed help file until you run `setup.exe`.

Chapter 1: Introduction

Welcome to the *BlueZone Secure FTP Help*. BlueZone Secure FTP (File Transfer Protocol) was designed specifically for Windows PCs to provide secure file transfers to and from virtually all FTP hosts including IBM Mainframe and iSeries FTP Hosts, as well as UNIX, Windows NT, and other FTP hosts. BlueZone Secure FTP has an easy to use Windows GUI interface and comes complete with SSL (Secure Sockets Layer) encryption.

BlueZone Secure FTP can be installed as a standalone application or as part of BlueZone Desktop and BlueZone Web-to-Host which share identical look, feel, and features, providing a consistent interface for internal users using BlueZone Desktop and external web users using BlueZone Web-to-Host.

The primary difference between the products is the method of delivery to the end users desktop. BlueZone Desktop can be installed just like any desktop application or it can be installed through a web browser. BlueZone Web-to-Host is also delivered and updated through a web browser with virtually no user intervention. Functionally, BlueZone Desktop and BlueZone Web-to-Host are identical. Throughout this help system, all references to BlueZone can be assumed to be applicable to both BlueZone Desktop and BlueZone Web-to-Host unless otherwise noted.

BlueZone Secure FTP is a file transfer software package engineered to work with many types of FTP servers which include:

- IBM iSeries
- IBM MVS
- IBM VM
- IBM VSE
- UNIX (standard)
- VMS
- Windows NT

End users using BlueZone Secure FTP delivered through their web browser may not have access or been granted the authority to make changes to their configurations. All of the features listed in this online help guide are available to users of BlueZone Secure FTP delivered through the web and can be granted on a user, group, or global basis. Refer to the *BlueZone Desktop Administrator's Guide* for detailed information about managing user configurations.

Major features

User interface

- Runs on all currently supported Windows operating systems
- IPv6 support
- Optional SSL/TLS Encryption (RFC 4217 compliant)
- Optional SFTP support
- User sizeable toolbars: 16 x 16, 24 x 24, 32 x 32, and 48 x 48 are supported
- Three window interface: PC Directory, Host Directory, and FTP Status Log
- User selectable list view or tree view modes
- Drag and drop file transfer
- User recordable transfer list feature
- Command line switch support for batch files
- File transfer scheduling feature

- Initial command feature
- Distributable preconfigured
- Save and load configuration files
- Tracing facility
- Web-based help system
- Right-click pop-up menus
- Windows shell extension support
- Configurable double-click
- Customizable and dockable power keys
- Customizable title bar feature

FTP support

- MPUT
- MGET
- Initial commands list
- PASV mode
- Rename file on PUTS
- Site commands
- Append or overwrite options
- Overwrite standard list commands with server specific list commands
- Custom commands
- Resume broken transfers
- iSeries data transfer
- iSeries name formats 1 and 2
- Integrated file system (IFS) support
- Different file and member icons
- Transfer all members of a file with a single click

MVS features

- MVS list formats

VM features

- BFS support
- SFS support
- Minidisk support

VSE features

- UNIX =No List Format

Displaying program information

Program and version information are readily available for display.

From the menu bar, click **Help** ® **About BlueZone Secure FTP** or click the About BlueZone Secure FTP icon  on the BlueZone Secure FTP toolbar.

BlueZone Secure FTP displays the following information:

- **Product Name:** BlueZone Secure FTP
- **Product Version:** Major Number . Minor Number, followed by the Build Number
- **Copyright Notice**
- **License Type followed by the License Key**
- **License Info button:** If this button is active, it will display the following information:
 - Product Information
 - Product Name
 - Key
 - Licensed To
 - Company Name
 - Email
 - Note
 - Expiration
 - Expiration Date
 - Warn After
 - License Type
 - Type
 - Comment
- **BlueZone Address, Phone Numbers and WWW Address**
- **Operating System Name:** Your Windows Operating System Name
- **Operating System Version:** Your OS Version
- **Operating System Build:** Your OS Build
- **Physical Memory Available:** The physical memory available in your system. This number reflects the physical amount of free random access memory in the system. It does not reflect the total amount of physical and virtual memory available to the operating system.

Chapter 2: Start BlueZone Secure FTP

After the installation of BlueZone Secure FTP is complete, double-click the BlueZone Secure FTP Desktop shortcut to launch the application.

The application can also be started by clicking **Start**® **Programs**® **BlueZone**® **BlueZone Secure FTP**.

Another way of running the program is by selecting **Start**® **Run** from the Windows taskbar and browsing to the BlueZone installation directory and double-clicking the BZFTP .EXE file.

In addition, the application can be launched through a command line switch.

Launching from a command line

BlueZone Secure FTP supports the use of command line switches during program startup.

1. Use the `/C` command line switch to launch the application and connect to a specific host name.

The following example launches a session with the name myHost:

```
BZFTP.EXE /CmyHost
```

2. Use the `/S` command line switch to launch a specific session number.

The number can be from 1 through 99. All sessions are numbered with a T# where # is a number 1-99. The following example launches Session 10. BlueZone Secure FTP displays T10:

```
BZFTP.EXE /S10
```

3. Use the `/F filename` command line switch to launch BlueZone Secure FTP and use the configuration stored in filename. For example:

```
BZFTP.EXE /FmyConfig.zft
```

The file must exist in the BlueZone Secure FTP Config subdirectory.

Refer to [DOS command line support, on page 42](#) for a detailed explanation of using the application in batch files.

Refer to [Command line switch table, on page 58](#) for a complete list of BlueZone Secure FTP command line switches.

Launching from other BlueZone applications

BlueZone Secure FTP can also be launched from within the following BlueZone applications:

- BlueZone Mainframe Display emulator
- BlueZone iSeries Display emulator
- BlueZone VT Display emulator
- BlueZone ICL Display emulator

Tip

If the name of the BlueZone Secure FTP configuration file the same as the BlueZone emulator from which it is being launched, then BlueZone Secure FTP launches without prompting the end user for a file name.

File name example for a BlueZone Mainframe Display session:

Mainframe Display = SYSPROD1.ZMD

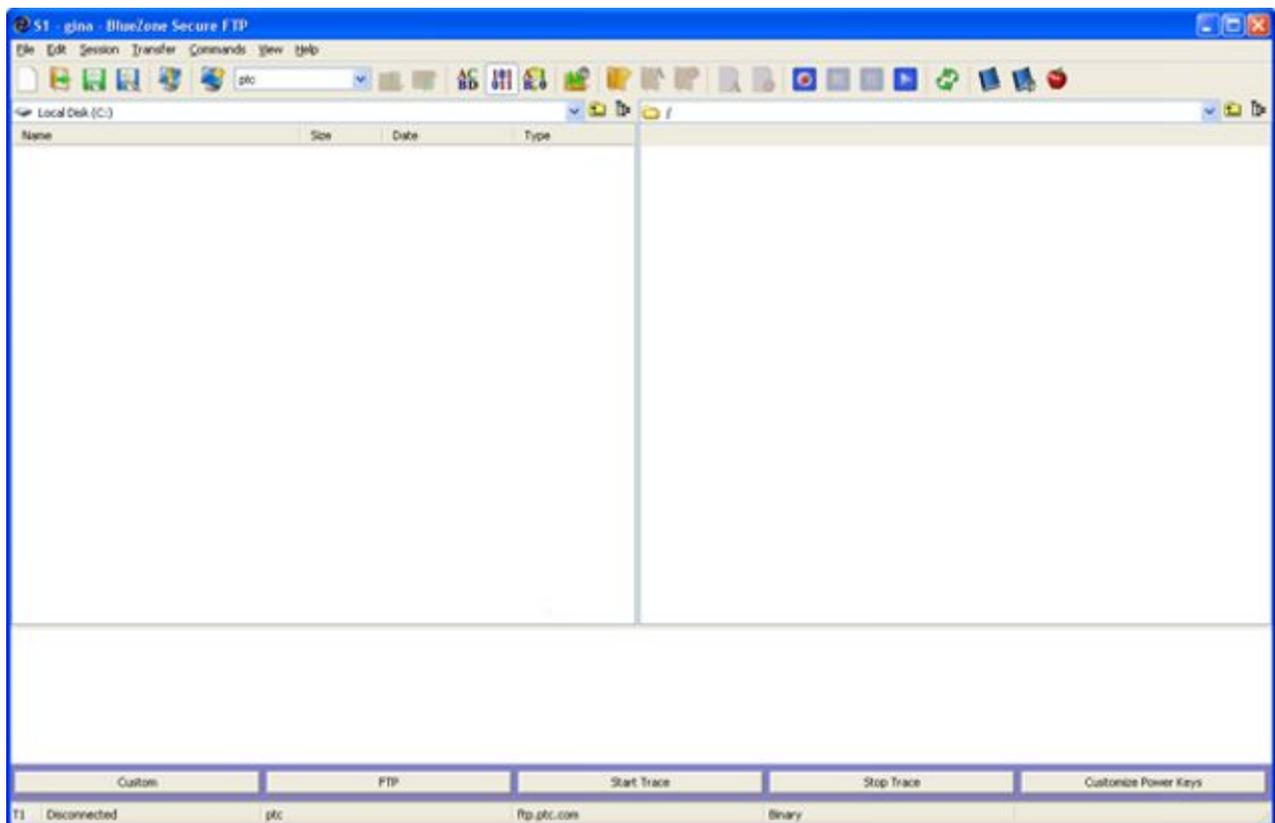
BlueZone Secure FTP = SYSPROD1.ZFT

Chapter 3: Application desktop

BlueZone Secure FTP consists of a three window interface that provides a view of your PC files in the left window, a view of your host files (when connected) in the right window, and a view of the FTP commands that are being sent and received in the window which is called the Status Log window.

The display also has a menu bar and a toolbar at the top of the display, and a status bar at the bottom.

Figure 1: Secure FTP desktop



If desired, the Status Log window can be closed completely by selecting **View** from the menu bar and clearing **Log Window**. You can do the same for the power keys, the toolbar, and the status bar.

By default, the application displays all files in the list view mode. You also have the option of viewing your files in the Windows tree view mode.

Refer to [Window view mode](#), on page 13 for more information on switching between list view and tree view modes.

Window view mode

You have the choice of displaying files in either tree view or list view display formats. You can toggle back and forth between tree view or list view with the click of your mouse. You can also have tree view in one window and list view in the other window.

To change window mode, click the window mode icon above the file display pane that you want to change. There is a window mode icon above and to the right of each window pane.

You can use Windows Explorer keyboard commands in the list view mode. For example, in addition to using your mouse, you can use the keyboard Enter key to open a folder or the Backspace key to go back one level.

Menu options

File

The File menu contains the following options:

- **New:** Used to "default" all settings.
- **Open:** Opens a configuration file.
- **Save:** Saves the current settings to the Windows registry.
- **Save As:** Saves the current settings to a configuration file.
- **Open Session:** Opens additional FTP Sessions or other BlueZone emulation sessions.
- **Close All Sessions:** Closes all open sessions.
- **Start Trace:** Opens the Start Trace dialog for trace file name.
- **Stop Trace:** Stops tracing and closes the trace file.
- **Properties:** Opens the File Properties dialog.
- **Exit:** Closes the program.

Edit

The Edit menu contains the following options:

- **Copy Status to Clipboard:** Copies the contents of the Status Window to the clipboard.
- **Copy File / Directory:** Copies a file or directory.
- **Paste File / Directory:** Pastes a file or directory.

Session

The Session menu contains the following options:

- **Connect / Disconnect:** Connects or disconnects (depending on the current state) to or from the host.
- **Configure:** Opens the Session Configure dialog.
- **Session Manager:** Launches the BlueZone Session Manager.

Transfer

The Transfer menu contains the following options:

- **Send:** Sends the selected files to the host.
- **Receive:** Receives the selected files from the host.
- **Send iSeries File Transfer :** Initiates a send iSeries transfer from your PC to the iSeries host.
- **Receive iSeries File Transfer:** Initiates a receive iSeries transfer from the iSeries host to your PC.
- **Mode:** The Transfer Mode group is used to configure how files are sent and retrieved from the FTP server. The options are:
 - **ASCII:** Changes Transfer Mode to ASCII
 - **Binary:** Changes Transfer Mode to Binary
 - **EBCDIC:** Changes Transfer Mode to EBCDIC
 - **None:** Changes Transfer Mode to No Mode

- **Double-Byte EBCDIC:** Changes Transfer Mode to double-byte EBCDIC
- **Double-Byte ASCII:** Changes Transfer Mode to double-byte ASCII
- **Auto:** Changes Transfer Mode to Auto
- **Options:** Used to configure Transfer Mode and Auto Mode options.

Refer to [Transfer options, on page 33](#) for more information.

Commands

The Commands menu contains the following options:

- **Directory**
 - **Create:** Creates a new directory in the active window
 - **Rename:** Renames the selected directory
 - **Delete:** Deletes the selected directory
- **File**
 - **Rename:** Renames the selected file
 - **Delete:** Deletes the selected file
- **FTP:** Launches a dialog which allows you to send an FTP command to the host.
- **Custom:** Launches a dialog which allows you to send a custom string to the host.

View

The View menu contains the following options:

- **ToolBar:** Toggles the display of the toolbar on or off.
- **StatusBar:** Toggles the display of the status bar on or off.
- **Power Keys:** Toggles the display of the power keys on or off.

Note

The power keys can also be un-docked by dragging and dropping the area around the power keys.

- **Large Icons:** Shows the directory structures in Large Icon mode.
- **Small Icons:** Shows the directory structures in Small Icon mode.
- **List:** Shows the directory structures in List mode.
- **Details:** Shows the directory structures in Details mode.
- **Arrange Icons**
 - **by Name:** Arranges icons by name
 - **by Size:** Arranges icons by size
- **Refresh:** Refreshes the currently selected window.
- **Properties:** Opens the View Properties dialog.

Help

The Help menu contains the following options:

- **BlueZone Secure FTP Help Topics:** Opens the BlueZone Secure FTP Help file.
- **Technical Support :** Opens the current Technical Support Help Desk message.
- **Properties:** Opens the Help Properties dialog.
- **About BlueZone Secure FTP:** Opens the About dialog for BlueZone Secure FTP.

Toolbar options

Table 1: BlueZone Secure FTP icons

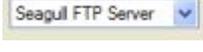
Icon	Name	Description
	New	Creates a new configuration based on default values. A warning dialog displays that all your settings will be lost. Use this feature with caution.
	Open	Opens an existing configuration. A standard Windows file dialog displays. Select the desired configuration file from the list and click Open .
	Save	Saves all the current configuration settings to the currently loaded configuration file.
	Save As	Saves all the current settings to a new configuration file. A standard Windows file dialog displays. Type a name for the new configuration file and click Save .
	Connect/Disconnect	This icon is a toggle and is used to either Connect or Disconnect from the FTP Host. In this example the button is shown in the connected (pushed in) state. When you disconnect from the host, the button pops out.
	Configure Session	Launches the Session Configure dialog.
	Connection list box	This feature is used to select the desired FTP host connection from the Connection List that is created in the Session Configuration dialog. Up to 64 FTP host connections can be defined.
	Send Files	Sends the selected file or folder to the FTP Host. It's the same as "uploading" a file to the FTP host. Note: You must have a file or folder selected in the left window (PC Files) in order for this to work.
	Receive Files	Receives the selected file or folder from the FTP Host. It's the same as "downloading" a file from the FTP host. Note: You must have a file or folder selected in the right window (Host Files) in order for this to work.
	ASCII Mode	Selects the ASCII transfer mode. Refer to Transfer options, on page 33 for more information.
	Binary Mode	Selects the Binary transfer mode. Refer to Transfer options, on page 33 for more information.
	Auto Mode	Selects the Auto transfer mode. Refer to Transfer options, on page 33 for more information.
	Transfer Options	Launches the Transfer Options dialog. Refer to Transfer options, on page 33 for more information.
	Create Directory	Creates a new folder on either the PC or the Host system. To create a new folder, first make sure that the window where you want to create the new folder has focus. Then click the Create Directory icon. The new folder will be created.

Table 1: BlueZone Secure FTP icons (continued)

Icon	Name	Description
	Rename Directory	<p>Renames an existing folder on either the PC or the Host system. To rename a folder, first make sure that the folder that you wish to rename has focus. Then click the Rename Directory icon. You will now be able to rename the folder.</p> <p>Tip:</p> <p>You can also rename folders by first selecting the desired folder and right clicking your mouse. A pop-up menu will be displayed. Select the appropriate option from the menu.</p>
	Delete Directory	<p>This icon is used to delete an existing folder or folders on either the PC or the Host system. To delete a folder, first make sure that the folder that you wish to delete has focus. Then click the Delete Directory icon. A confirmation dialog will be displayed. Click the Yes button to delete the folder and its entire contents.</p> <p>Note:</p> <p>You can select more than folder by using standard Windows features such as holding down the CTRL key or the SHIFT key when selecting the desired folders.</p> <p>Tip:</p> <p>You can also delete folders by first selecting the desired folder or folders and right clicking your mouse. A pop-up menu will be displayed. Select the appropriate option from the menu.</p>
	Rename File	<p>This icon is used to rename an existing File on either the PC or the Host system. To rename a File, first make sure that the File that you wish to rename has focus. Then click the Rename File icon. You will now be able to rename the File.</p> <p>Tip:</p> <p>You can also rename files by first selecting the desired file and right clicking your mouse. A pop-up menu will be displayed. Select the appropriate option from the menu.</p>
	Delete File	<p>Deletes an existing file or files on either the PC or the Host system. To delete a file, first make sure that the file or files that you wish to delete have focus. Then click the Delete File icon. A confirmation dialog will be displayed. Click the Yes button to delete the file or files.</p> <p>Note:</p> <p>You can select more than file by using standard Windows features such as holding down the CTRL key or the SHIFT key when selecting the desired files.</p> <p>Tip:</p> <p>You can also delete files by first selecting the desired file or files and right clicking your mouse. A pop-up menu will be displayed. Select the appropriate option from the menu.</p>
	Large Icons	Changes both the PC and Host window displays to the Large Icon mode.
	Small Icons	Changes both the PC and Host window displays to the Small Icon mode.

Table 1: BlueZone Secure FTP icons (continued)

Icon	Name	Description
	List View	Changes both the PC and Host window displays to the List View mode.
	Details View	Changes both the PC and Host window displays to the Details View mode.
	Refresh	Refreshes either the PC or the and Host window. Sometimes when a file is transferred or deleted, the display has to be manually "refreshed" in order for the display to be up to date. To refresh a window, using your mouse, first make sure you have focus in the window that you want to refresh then click the Refresh icon.
	Help Launch	Launches the Help system.
	Help Properties	Opens the Help Properties dialog. This dialog is used to select the desired Help options.
	About	Opens the About dialog.

Status bar indicators

Important session information can be gathered from the status bar, which is located at the bottom of the application. The status bar indicators are as follows, from left to right:

Session Number

Session numbers always begin with T. T1, T2, etc.

Session Status Indicator

- **Connecting:** Displays when attempting to establish a connection.
- **Resolving address:** Displays when the client is validating the host address.
- **Connected:** Displays when the client is connected to the host.
- **Disconnecting:** Displays when the client is attempting to disconnect.
- **Disconnected:** Displays when the client is disconnected.

Connection Name

Connection Address

Transfer Mode Type

- **ASCII:** Transfer all files as ASCII during FTP.
- **Binary:** Transfer all files as binary during FTP.
- **EBCDIC:** Transfer all files as EBCDIC during FTP.
- **None:** Transfer all files with no encoding during FTP.
- **Auto:** Transfer files based on file extension during FTP.

File properties

The File Properties property sheet controls BlueZone Secure FTPs operating parameters.

From the BlueZone Secure FTP menu bar, click **File** ® **Properties**. The File Properties property sheet displays the **Program**, **TitleBar**, **Auto-Launch**, and **Options** tabs.

Program tab

Enables customization of the session description. The text displays right justified on the caption bar of the session main window.

Session Description

This is an optional field. If desired, a unique session description can be entered that displays right justified on the session window's caption bar. The Session Description can help to quickly identify a session when multiple sessions are active.

Main Window Always on Top

If enabled, the BlueZone Secure FTP program window always remains above all non-topmost windows.

Minimize Window on Startup

If enabled, BlueZone Secure FTP runs minimized on startup.

Hide Taskbar Window on Minimize

If enabled, the BlueZone Secure FTP taskbar window is hidden when BlueZone Secure FTP is minimized. Instead, the FTP icon appears in the Windows system tray.

Activate BlueZone Secure FTP shell extensions

If enabled, the BlueZone Secure FTP shell extension feature is active.

Refer to [Using the shell extension feature, on page 54](#) for more information.

The following items are display-only and can only be viewed by the end user.

Command-Line Switches

Displays any command-line parameters used when launching the session.

Program Group

Displays the BlueZone program group.

Installation Directory

Displays the BlueZone installation directory.

Working Directory

Displays the BlueZone working directory.

Preferred Connection Type

This value is always set to FTP.

Global Configuration Lock

If enabled, the global configuration lock option is active.

Session Configuration Lock

If enabled, the session configuration lock option is active.

Titlebar tab

Show on Window Caption

This group is used to configure the text that appears on the BlueZone title bar. By default, the Session Identifier, Profile Name, Session Description, and Program Name are displayed on the BlueZone title bar. You have the option of turning off these items or you can create your own custom title bar by using the desired variable (%1, %2, %3 etc.) in the **Display Custom TitleBar** field.

Session Identifier (%1)

If enabled, the standard BlueZone Session Identifier is displayed on the title bar. For example, S1, S2, S3 etc.

HLLAPI Short Name (%2)

This option does not apply to BlueZone Secure FTP.

Profile Name (%3)

If enabled, the name of the current BlueZone profile that was used to launch this session is displayed on the title bar.

Session Description (%4)

If enabled, the value of the Session Description field located on the **Program** tab (see Program Tab above) is used unless the **Use Connection Name as Session Description** check box, located on the **Connections** tab (**Session® Configure® Configure** from the BlueZone menu bar), is checked. Then the Connection Name that was used to create the session is displayed on the title bar.

Program Name (%5)

If enabled, the standard BlueZone program name is displayed on the title bar. For example, BlueZone Mainframe Display, BlueZone iSeries Display, etc.

Separator

Type a character to be used to separate the above values. Spaces are valid separators and can be used in conjunction with other characters. The default separator is "space hyphen space".

Display Custom TitleBar

If enabled, any text that is placed in this field is displayed on the title bar instead of the selected values above. This feature overrides any of the above items. Also, you can build a custom title bar in any order you want by placing the desired variable values (%1, %2, %3, etc.) in the field in the order in which you want them to appear on the title bar. You can also mix in your own text as well.

For example: If you want the Session Description followed by the Session Identifier followed by the words "Claims Application" to appear on the title bar, place the following in the field:

%4 - %1 - Claims Application

Note

If the **Display Custom TitleBar** check box is enabled and the field is left blank, the result is a blank title bar.

Auto-Launch tab

Run Sessions on Startup

This group is used to configure up to four additional BlueZone sessions to launch along with this session. This feature can be used to launch a BlueZone Printer session along with a BlueZone Display session.

To launch an additional session or sessions:

1. Check the check box.
2. Select the BlueZone Session Type: Mainframe Display, Mainframe Printer, iSeries Display, iSeries Printer, or VT Session.
3. Type any desired switches (if any).

The next time you launch this BlueZone Display session, any additional sessions that have been configured, automatically launch at the same time.

- Open Session ==> Session Type: (required) Switches: (optional)
- Open Session ==> Session Type: (required) Switches: (optional)
- Open Session ==> Session Type: (required) Switches: (optional)
- Open Session ==> Session Type: (required) Switches: (optional)

Run Program on Connect

This group is used to launch and run external programs when BlueZone makes a host connection.

- **Launch the WinJa (TM) Windows Client on Connect:** This option does not apply to BlueZone Secure FTP.
 - **Switches:** This option does not apply to BlueZone Secure FTP.
- **Run Custom Command:** If enabled, you can specify an external program to launch when BlueZone makes the host connection.
 - **Browse:** Click to locate the external program.

Options tab

Save

- **Ask to save configuration settings on exit:** If selected, the user is prompted whether or not to save the configuration settings on program shutdown.
- **Always save configuration settings on exit :** If selected, the configuration settings are always saved on program shutdown.
- **Do not save configuration settings on exit :** If selected, the configuration settings are not saved on program shutdown.

Open / Save As

- **File Description:** This edit box configures the text that appears in the Common File dialog, describing the type of files to list.
- **Default Extension:** Limits the initial list for the Common File dialog, the extension is limited to three characters.

Open / Close All Sessions

- **Enable Opening of New Sessions:** Controls whether or not this session can be used to launch additional sessions.
- **Prompt before Closing All Sessions:** If checked, the user is prompted before closing all sessions.
- **Display Profile List when Opening Sessions:** If checked, you are prompted with a list of available configuration files to choose from when opening sessions.

View properties

The View Properties dialog is used to set the states of the power keys and desktop colors.

From the menu bar, click **View @ Properties**. The View Properties property sheet displays the **Power Keys** and **Desktop Colors** tabs.

Power Keys tab

Power key buttons can be edited, added, and removed from the Power Keys window.

To add power keys:

1. Click **New**.
The Power Keys dialog opens.
2. Click **New**.
The Initial Command dialog opens.
3. Select the **Command** you want from the drop-down list.
4. Click **OK** twice.
Your new key appears at the end of the list.
5. Click **Rename** to customize power key button name.

To edit power keys:

1. Highlight the power key name and click **Edit**.
2. Highlight the power key name again and click **Edit**.
3. Select the **Command** you want from the drop-down list.
4. Click **OK** twice.
5. Click **Rename** to change the power key button name.

To remove power keys:

1. Highlight the power key name and click **Remove**.
2. Click **OK**.

Note

You can move a power key up or down the list by selecting the power key name and click either **Move Up** or **Move Down** as needed.

Desktop Colors tab

Settings

You can change the background color of the active window here.

Background

Select the background color from the color cube or click **Customize** to select a custom color.

Chapter 4: Connect to the Host System

Session configuration

Prior to establishing a host system connection, users must set the session configuration parameters. Session configuration consists of:

- Selecting an existing or defining a new connection type and configuring its connection settings.
- Adding any commands to the initial commands list for the current host.

Click **Session**  **Configure**. The Session Configuration dialog opens which consists of the **Connections**, **Options**, and **License Manager** tabs.

Connections tab

FTP connections

- **Connection List:** Contains the names of the defined host connections. A total of 64 connections can be specified.
- **New:** Click to create new host sessions. The Define New Connection dialog appears.
- **Edit:** Click to edit an existing host connection. The Edit Connection dialog for the highlighted connection appears.

Note

The Edit Connection dialog is essentially the same as the Define New Connection dialog. Use the Define New Connection dialog as a reference for the Edit Connection dialog.

- **Copy:** Click to copy an existing host connection. The Edit Connection dialog appears with all the information of the connection that was highlighted except for Connection Name.
- **Remove:** Click to remove an existing host connection. The highlighted connection is removed from the list.
- **Sort:** Click to sort the Connection List into alphabetical order.

Options

- **Auto-Connect Session:** If selected, the application automatically starts the host connection that is highlighted in the Connection List.
- **Prompt on Disconnect:** If selected, BlueZone displays a message box "Are you sure you want to disconnect and close session? whenever an attempt is made to disconnect a host session or when the BlueZone application is closed with an active host session.
- **Auto-Reconnect to Last Directory when Disconnected by the Host:** If selected, BlueZone automatically reconnects to the last directory when an attempt is made to disconnect an active host session.
- **Connect Retry :** If selected, BlueZone tries to connect to the host the number of times selected in the **Retry up to** list box and use the interval selected in the times, retrying every list box.

Options tab

Double-click

You can choose the behavior of the mouse left double-click:

- **Send / Receive File:** If selected, a double-click signals the application to send or receive files.
- **View File:** If selected, a double-click launches the associated program for viewing the selected file.
 - **Viewer for unregistered file extensions:** If enabled, supplies the file name of an application that can be used to view files.
 - **Browse:** Click to browse for the above application.

Logging options

This feature allows you to configure BlueZone Secure FTP to automatically create a log of all of the FTP activity of the current BlueZone Secure FTP session. Each time a BlueZone Secure FTP session is started, a new log file is created. Each time the BlueZone Secure FTP application is closed, the current log file is closed.

This is a global feature. When this feature is enabled, it is in effect for the entire BlueZone Secure FTP session regardless of how many different hosts you connect and disconnect from during the session.

For example, if you want to connect to three different hosts, transfer or receive files, and wind up with three different log files, you must shut the BlueZone Secure FTP application down completely in between each host connection in order for BlueZone Secure FTP to create three separate log files.

File format

The log is created in .csv (comma separated values) format. The file name is created by appending the date followed by the session sequence number, to the letters LOG. For example, LOG05042005-001 was created on May 4th, 2005 and is the first log created on that day. On each new day, the sequence number is reset to 001.

- **Enable Logging:** Enabling this box turns the logging feature on.
- **Delete Logs after XX days:** Sets the number of days that you want the log files to be kept on your system before being automatically deleted. The default setting is 30 days.
- **Log Directory:** The location where the log file is stored.
- **Browse:** Click to change the location of the log file.
- **Log File Location and Name:** The location and the name of the current log file.
- **View:** Click to view the log file in your Windows registered viewer. For example, if Microsoft Excel is registered to view .csv files, then clicking **View** automatically launches Excel and view the current log file.

License Manager tab

The License Server tab is used to store the IP address of the BlueZone License Manager server. This is necessary when using a concurrent licensing scheme.

Note

The License Manager tab only appears if you are using a licensed copy of the application. If you are currently evaluating the product, this tab does not appear.

License Servers

Use this group to configure your License Manager IP address.

- **Add Server:** Place the IP address of the server or servers that are running the License Manager in this field and click **Add**.

Note

If your License Manager is using a listening port other than the default of 8421, you must add the configured port number to the end of the IP address, using a comma as a separator. Example: 63.75.199.234,80

CAUTION

Do not use a colon (:) between the IP Address and the Port number. You must use a comma as shown above.

- **Server List:** Displays the IP addresses of your License Manager server (if any).
- **Remove/Clear:** Use as needed.

Group Information

This field is only used if you are using the group feature of the License Manager.

- **Group Name:** Type the name of the group in this field (if any).

Define new connections

Prior to establishing a host system connection, users must set session configuration parameters. Session configuration consists of:

- Selecting an existing or defining a new connection type and configuring its connection settings.
- Adding any commands to the initial commands list for the current host.

Click **Session**  **Configure**. The Session Configuration dialog opens. Click **New**. The Define New Connection property sheet opens and consists of the **Connection**, **Initial Commands**, **Miscellaneous**, **Schedule**, **Firewall**, **Security**, **Certificate**, and **Bidi** tabs.

Connection tab

FTP Connection

- **Connection Name:** A unique name used to identify this collection of connection settings.
- **Host Name:** Specifies the computer DNS name or the IPv4 or IPv6 address of the FTP server. An IP address is the preferred format, eliminating the requirement for domain name resolution, resulting in a faster connection time and recovery if the name cannot be resolved.
- **Host Type:** Select one of the available host types from the drop-down list or you can select **Auto-detect**.
- **TCP Port:** Specifies the TCP port number to which to connect. The default is 21.
- **Backup Host:** Specifies the backup host to which the application connects if the primary host is not available. Backup hosts are selected from the **Connection List**.
- **Initial PC Directory:** Sets your current PC directory upon connect.
- **Initial Host Directory:** Sets your host directory upon connect.
- **UserName:** Sent with a USER command.
- **Password:** Sent with a PASS command. The password is sent encrypted.

- **Anonymous signon:** Attempts to log on with Anonymous user name and password.
- **Do not send UserName / Password:** If enabled, the application does not send a user name and password.

Initial Commands tab

Initial commands are sent once you have successfully signed onto the host FTP server. Initial commands are sent in order as they appear in the **Initial Commands for** list.

Initial Commands for

To Add an Initial Command

1. Click **New**. A dialog appears asking for the command to send.
2. Select the desired command from the list box and click **OK**. The Initial Command appears in the Initial Command for window.
3. Add any additional Initial Commands.
4. Click **OK**.

To Edit an Initial Command

1. Highlight the desired command and click **Edit**.
2. Select the desired command from the list box and click **OK**. The new Initial Command appears in the Initial Command for window.
3. Click **OK** to save your modifications or to cancel your changes, click **Cancel**.

To Remove an Initial Command

Highlight the desired command and click **Remove**. When you click **Remove**, the entry is permanently removed from the list.

You can move a command up or down the list by selecting the command and click either Move Up or Move Down.

Miscellaneous tab

BlueZone Secure FTP has several miscellaneous options that can be set.

Miscellaneous Options

- **Place folders on top when sorting:** Select to sort folder first then sort files.
- **Prompt for destination name before file transfer:** Select to prompt for destination file name before a file transfer.
- **Disable automatic LIST after connect and uploads:** Select to keep the application from issuing a LIST command upon connect and after an upload. This is helpful when connecting to hosts that have very large directories like Mainframes and iSeries hosts.
- **Overwrite LIST Command with:** Select to overwrite the standard LIST command with a server specific command (example: DIR, or LS).
- **Enable Passive Mode:** Select to use passive mode for file transfers and LIST commands. This option is usually required in order for FTP data to pass through firewalls.
- **Enable Keep Alive Timer (Minutes):** Select to use the keep alive timer to keep the FTP connection open while you are away from your computer.
- **Use Destroy Prefix on Uploads:** If selected, every upload has the directory prefix added automatically to the STOR command. This option is used for certain FTP hosts that do not allow clients to change into the upload directory.
- **Use Reduced Buffer Size:** If selected, the application uses a smaller buffer size which in effect updates file transfer progress back to the end user more frequently. Designed to be used during relatively slow connections like dial-up.
- **Enable Command Timeout (Seconds):** Sets the amount of time, in seconds, to wait for a success or failure response to come back from the FTP server.
- **Limit FTP server features to RFC959:** Select to limit the FTP server features to the original RFC959 FTP specification.

MVS Host Type Options

When the **Use fully qualified data set names on transfers** check box is enabled, BlueZone Secure FTP automatically adds quotes around fully qualified MVS data sets when pasting into the edit box to transfer to the PC.

Schedule tab

Scheduling occurs once you have successfully connect to an FTP server. The scheduled commands are sent when their configured time occurs. If the application is busy due to a file transfer in progress, the command is sent once the application is idle.

Scheduled Event List

The Scheduled Event List is used to list and configure FTP commands to be initiated at specific times for the selected session. A total of 64 commands can be scheduled for each session.

- **New:** Click to schedule a new command. A dialog appears asking for the Start Date/Time, Commands to be sent, Command strings to send, Repeat and Repeat Interval, and Repeat Until options. You can save your events by clicking **OK** or you can cancel your event by clicking **Cancel**.
 - **Start Date/Time:** The date and time in which the scheduled FTP command takes place. The command takes place immediately if the current time is ahead of the scheduled time.
 - **Pick Command:** The FTP command which is executed along with an appropriate value, if required.
 - **Repeat:** If enabled, the command repeats every *X* intervals based upon the **Repeat Interval**.
 - **Repeat Interval:** The interval in seconds, minutes, hours, or days in which the command is repeated.

- **Repeat Until:** The date and time in which the scheduled FTP command stops repeating. Once this data and time occurs the command is removed from the list automatically.
- **Holidays to Skip Scheduled Event:** If desired, you can create a list of holidays in which the scheduled event is skipped. You can select from a list of preconfigured holidays or you can create custom holidays to be skipped. You can also select to skip selected days of the week like Saturday and Sunday. Your options are: add a holiday to be skipped, edit an existing holiday, or remove an existing holiday.

Note

When selecting certain holidays from the drop-down list, the application automatically creates a perpetual skip list. For example, some holidays fall on, and are celebrated on, the same date every year, but other holidays like Columbus Day, are always celebrated on a Monday. When you select Columbus Day, note that Monday and the dates from the 8th through the 14th are automatically selected. In the year 2004, Columbus Day is celebrated on October 11th. Even though the other dates are selected, the only date that the scheduler skips in 2004 is Monday, October 11th. That's because the application checks the selected dates against the current calendar, and the only date that is valid for the year 2004 is Monday, October 11th. In the year 2005, Columbus day is celebrated on Monday, October 10th. The application automatically skips the 10th.

- **Edit:** To edit a scheduled FTP command, highlight the command and click **Edit**. A dialog appears that looks exactly like the New Schedule Event dialog. You can save your modifications by clicking **OK** or you can cancel your changes by clicking **Cancel**.
 - **Start Date/Time:** The date and time in which the scheduled FTP command takes place. The command takes place immediately if the current time is ahead of the scheduled time.
 - **Pick Command:** The FTP command which is executed along with an appropriate value, if required.
 - **Repeat:** If enabled, the command repeats every *X* intervals based upon the **Repeat Interval**.
 - **Repeat Interval:** The interval in seconds, minutes, hours, or days in which the command is repeated.
 - **Repeat Until:** The date and time in which the scheduled FTP command stops repeating. Once this data and time occurs the command is removed from the list automatically.
 - **Holidays to Skip Scheduled Event:** If desired, you can create a list of holidays in which the scheduled event is skipped. You can select from a list of preconfigured holidays or you can create custom holidays to be skipped. You can also select to skip selected days of the week like Saturday and Sunday. Your options are: add a holiday to be skipped, edit an existing holiday, or remove an existing holiday.

Note

When selecting certain holidays from the drop-down list, the application automatically creates a perpetual skip list. For example, some holidays fall on, and are celebrated on, the same date every year, but other holidays like Columbus Day, are always celebrated on a Monday. When you select Columbus Day, note that Monday and the dates from the 8th through the 14th are automatically selected. In the year 2004, Columbus Day is celebrated on October 11th. Even though the other dates are selected, the only date that the scheduler skips in 2004 is Monday, October 11th. That's because the application checks the selected dates against the current calendar, and the only date that is valid for the year 2004 is Monday, October 11th. In the year 2005, Columbus day is celebrated on Monday, October 10th. The application automatically skips the 10th.

- **Remove:** To remove a scheduled FTP command, highlight the command and click **Remove**.
- **Move Up & Move Down:** You can move a command up or down the list by highlighting the command and click either **Move Up** or **Move Down**. The higher in the list the command the higher the precedence it receives in case two commands share the same execution time.

Firewall tab

The Firewall tab allows the configuration of firewall and proxy server sign on systems.

Firewall Options

- **Use Firewall/Proxy Server:** Check to enable this feature.
- **Use Browser Settings:** Check if you want the application to use your browser's firewall/proxy server settings.
- **Firewall Type:** Select the firewall type from the drop-down list:
 - SOCKS4 Proxy
 - SOCKS4A Proxy
 - SOCKS5 Proxy
 - USER with no Logon
 - USER remoteld@remoteHost
 - HTTP Tunneling Proxy
 - USER firewallid@remoteHost
 - USER remoteid@firewallid@remoteHost
 - Check Point FireWall-1
- **Firewall Address:** Type the IP address of the firewall.
- **Port:** Type the port number used by the firewall.
- **Timeout:** Type the desired value in seconds.
- **User Name:** Type the appropriate user name.
- **Password:** Type the appropriate password.
- **Domain:** Type the appropriate domain name.

Security tab

BlueZone Secure FTP supports the SSL protocol through the BlueZone Security Server or any other SSL enabled FTP connection including IBM Mainframe OS/390 and Z/OS, the iSeries OS/400 and other SSL-enabled FTP servers. BlueZone Secure FTP can be preconfigured for distribution with the SSL feature enabled, eliminating the need for any end user intervention in the installation or configuration process.

Security Options

To enable encryption, select one of the following options:

- **None:** Disables encryption.
- **Explicit FTPS (SSL/TLS):** In this method, BlueZone Secure FTP connects to the typical FTP server port 21 and starts an unencrypted FTP session as normal, but requests that SSL/TLS security be used and performs the appropriate handshake before sending any sensitive data. This is the preferred method according to RFC 4217. Explicit FTPS is also sometimes referred to as AUTH TLS.
- **Implicit FTPS (SSL/TLS):** In this method, BlueZone Secure FTP connects to a non-typical port (usually 990), and an SSL/TLS handshake is performed before any FTP commands are sent.
 - **Enable Clear Control Channel:** If enabled, BlueZone Secure FTP attempts to use a clear control connection but an encrypted data connection.
 - **Enable Clear Data Channel:** If enabled, BlueZone Secure FTP sends the data in the data channel without any encryption.
- **SFTP (SSH):** Enables Secure FTP known as SSH. When you are connected to an SFTP host, a small padlock is displayed on the status bar. If you click the padlock, an SFTP Connection Status dialog opens.

Encryption Type

Specifies which version of the SSL protocol must be used. The following options only apply to Explicit FTPS and Implicit FTPS. You must specify one or the other.

- **SSL v3:** (Default) Specifies that SSL version 3 must be used.
- **TLS v1:** Specifies that TLS version 1 must be used.

Note

SSL v3 and TLS v1 are nearly identical. TLS v1 is preferred.

Invalid Certificates

Specifies how to handle an invalid server certificate. Options include:

- **Always Reject:** Specifies that an invalid server certificate must always be rejected.
- **Ask Before Accepting:** Specifies that the user must be asked whether to accept an invalid server certificate.
- **Always Accept:** Specifies that an invalid server certificate must always be accepted.

Preferred Cipher Suite

If you have a preference, select a cipher suite from the drop-down box. Otherwise leave it set to **AES**.

Certificate tab

Client Certificate

These parameters specify the type of client certificate to use if any. Enable Secure Sockets Layer on the **Security** tab must be enabled in order for client certificate support to be active.

- **No Client Certificate:** Specifies that a client certificate should not be presented.
- **Client Certificate in Disk File:** Specifies that a client certificate must be presented.
 - **Certificate File:** Specifies the path to the certificate file.
 - **View:** Click to view the certificate.
 - **Browse:** Click to locate the certificate file.
 - **Private Key File:** Specifies the path to the private key file.
 - **Browse:** Click to locate the private key file.
- **Client Certificate in Certificate Store:** Specifies that a client certificate must be presented that is located in the certificate store.
 - **Common Name:** Specifies the path to the common name file.
 - **View:** Click to view the certificate.
 - **Browse:** Click to display a list of certificates in the certificate store.
- **Client Certificate in Certificate on Smart Card:** Specifies that a client certificate stored on a Smart Card must be presented. This feature is currently not implemented.

Root Certificates

These parameters specify the root certificate store to use: the one provided by OpenSSL or the one provided by Windows.

- **Use OpenSSL Root Certificates:** (Default) If selected, the root certificates provided by OpenSSL are used.
- **Use Windows Root Certificates:** If selected, BlueZone looks for a file called `rootcerts.pem` in the end user's `bluezone\certs` directory. If it doesn't exist, it automatically exports the root certificates from Windows and store them there, giving a message such as "109 root certificates were exported."
- **Update Root Certificates:** Click to manually export the certificates. If you connect and are presented with an untrusted host root certificate, check the box to add it to the trusted list, it imports it into the Windows root store (which can produce a Windows message asking for confirmation) and then export the root store again to disk producing a message such as "109 root certificates were exported." When this is performed one time, subsequent connections connect without messages.

Bidi tab

The Bidi tab configures the use of bidirectional languages, such as Arabic, in FTP.

Bidi Options

- **Enable Arabic Processing:** Check to enable Arabic processing.
- **PC Code Page:** Select the PC code page used for translation. BlueZone automatically handles the PC code page selection for uploads by reading the header on the file. If there is no header, it is assumed to be 1256. Arabic processing only converts 864 to the selected target PC code pages. Options include:
 - 1256
 - Unicode
 - UTF-8

Refer to [Configuring FTP with Arabic support, on page 56](#) for more information.

Establishing host sessions

Assuming the session configuration has already been completed, you are now ready to establish a session on the host system.

From the menu bar, click **Session** ® **Connect** or click the **Connect** icon  on the toolbar.

When connecting to the host, the **Session Status Indicator** field on the status bar initially displays *Resolving address...* and changes to *Connected* once the connection is complete.

Selecting a Host Name from the combo-box from the toolbar also attempts to connect to that host.

For your convenience, the **Session** ® **Connect** menu item changes to **Session** ® **Disconnect** and the **Connect** icon on the toolbar becomes the **Disconnect** icon .

Disconnecting a host session

From the menu bar, click **Session** ® **Disconnect** or click the **Disconnect** icon on the toolbar. When disconnecting the **Session Status Indicator** field on the status bar initially displays *Disconnecting...* and then changes to *Disconnected* once the disconnection is complete.

Chapter 5: Execute file transfers

Transfer options

The Transfer Options group is used to configure how files are sent and retrieved from the FTP server.

From the BlueZone Secure FTP menu bar, click **Transfer® Options**. The Transfer Options property sheet opens which contains the **Options** and **Auto Mode** tabs.

Options tab

Transfer Mode

- **Auto:** If selected, BlueZone Secure FTP looks at the extension of the file and compares it to the Auto Mode list to determine how a file is transferred.
- **ASCII:** If selected, all files are always transferred as ASCII.
- **Binary:** If selected, all files are always transferred as Binary.
- **EBCDIC:** If selected, all files are always transferred as EBCDIC.
- **None:** If selected, all files are always transferred with no encoding.
- **Double-Byte EBCDIC:** If selected, all files are always transferred as double-byte EBCDIC.
- **Double-Byte ASCII:** If selected, all files are always transferred as double-byte ASCII.

Overwrite File Options

This group is used to configure what happens when a downloaded file already exists on the PC.

- **Never Overwrite File:** If selected, files on the PC side are never overwritten by a file downloaded from the host if their file names match.
- **Ask to Overwrite File:** If selected, the user is prompted if a file must be overwritten during a download.
- **Always Overwrite File:** If selected, files on the PC side are always overwritten by a file downloaded from the host if their file names match.

Overwrite Filename Case

- **Filenames to Lowercase:** If selected, file names are changed to lower case.
- **Filenames to Uppercase:** If selected, file names are changed to upper case.
- **Leave File Names Unchanged:** If selected, file names remain unchanged.

Close BlueZone FTP after transfer(s) completes

If enabled, BlueZone Secure FTP automatically shuts down completely after the last file transfer is completed.

Use PC Time for Time Stamp

If enabled, when a file is downloaded from the host, BlueZone Secure FTP displays the time that the file was created on the PC rather than the file date provided by the host.

Auto Mode tab

Auto mode is a powerful feature that allows users to configure BlueZone Secure FTP to automatically select the correct file encoding format: ASCII (typically text files) or Binary (typically program files).

When the auto mode file transfer mode is enabled, BlueZone Secure FTP looks at the file extensions of the files to be transferred and compares them to the file extensions in the list. The files are then transferred as either ASCII or Binary depending on the selected settings.

Tip

Since there are far fewer ASCII file extensions than Binary file extensions, it is usually better to set the default mode to Binary and list the files you want to transfer as ASCII in the Exceptions list.

Default mode for all file transfers

The Transfer File with Auto Mode group is used to configure how file extensions listed in the list box below are transferred. Select which mode (ASCII or Binary) you want as the default mode:

- **ASCII:** If selected and auto mode is selected on the **Options** tab, BlueZone Secure FTP sends all files with the extensions listed in the list box as Binary and all others as ASCII.
- **Binary:** If selected and auto mode is selected on the **Options** tab, BlueZone Secure FTP sends all files with the extensions listed in the list box as ASCII and all others as Binary.

Exceptions: File Extensions to Send as (ASCII/Binary)

Add the file extensions that you wish to be excepted to the list in this box.

To add an extension to the list:

1. Click **New** on the right of the dialog.
2. Type the file extension.
3. Click **OK**.

Note

No period is necessary before the extension. If a period is entered before the extension it is removed by the program.

To remove an extension from the list:

1. Highlight the desired extension.
2. Click **Remove** on the right of the dialog.

Sending files to the host

BlueZone Secure FTP has the ability to transfer a file to and from the PC and the host system. You can also transfer multiple files at once.

Use one of the following three options to send a file, or multiple files, to the host:

- Select the file(s) you want to send and click the **Send File** icon  on the BlueZone Secure FTP toolbar.
- Drag and drop the desired file(s) into the host directory window.
- Select the file(s) that you want to send, right-click, and select **Send** from the pop-up menu.

Note

You can use the standard Windows Explorer commands for selecting multiple files. Hold Shift and click, to select all the files between the first and last file. Hold Control and click, to select individual files.

BlueZone Secure FTP displays a transfer status dialog showing the file transfer progress. To cancel a file transfer in progress click **Cancel**.

Receiving files from the host

BlueZone Secure FTP has the ability to transfer a file to and from the PC and the host system. You can also transfer multiple files at once.

Use one of the following three methods to receive a file, or multiple files, from the host:

- Select the file(s) you want to receive and click the **Receive File** icon  on the BlueZone Secure FTP toolbar.
- Drag and drop the desired file(s) into the client directory window.
- Select the file(s) you want to receive and right-click. Select **Receive** from the pop-up menu.

Note

You can use the standard Windows Explorer commands for selecting multiple files. Hold Shift and click, to select all the files between the first and last file. Hold Control and click, to select individual files.

BlueZone Secure FTP displays a transfer status dialog showing the file transfer progress. To cancel a file transfer in progress click **Cancel**.

Appending multiple files to one file and name

To append multiple files into one file on the PC, select the items you want to receive and right-click. Select **Receive Append** from the pop-up menu.

When you choose **Receive Append**, BlueZone Secure FTP prompts for a file name and appends all selected files to the specified file name. During **Receive Append**, the value of the **Continue Prompting** check box is ignored.

Note

The receive append feature is not available in SFTP connections.

iSeries (AS/400) data transfer

BlueZone Secure FTP has the ability to perform iSeries data transfers through FTP and automatically place the data into a Microsoft Excel spreadsheet, comma delimited file, or tab delimited file. The resulting spreadsheet or file can be edited and transferred back to the iSeries host.

This procedure assumes that you already have BlueZone Secure FTP running and connected to an iSeries host. It also assumes that you have an existing physical data file (must be a type *FILE with attribute PF) located on the iSeries host that you want to download and view as a data file.

Note

Since iSeries directories can be very large, and can take a long time to display, you may want enable the **Disable automatic LIST after connect and uploads** feature. To enable this feature, edit the connection and go to the **Miscellaneous** tab, and check the check box.

Receiving data files from the host system

1. Right-click the data file located on the iSeries host (right-hand window) that you want to download.
The Receive File pop-up menu displays.
2. Select **iSeries File Transfer** from the pop-up menu. The iSeries File Transfer menu displays.
Or, from the BlueZone Secure FTP menu bar, click **Transfer** ® **Receive iSeries File Transfer**.
The iSeries File Transfer menu displays.
3. In the **Library** field, type the name of the library you want to send the file from if you are not in the correct library now.
4. In the **iSeries File** field, type the name of the iSeries file you want to receive if the correct file is not being displayed now.
5. In the **FFD Library** field, type the name of the library where the File Field Description (FFD) file is located if you are not in the correct library now.
6. In the **FFD** field, type the name of the File Field Description (FFD) file to be generated on the iSeries host. This file has specific data about the types of fields in the file.
7. In the **PC Filename** field, type the PC file name of the file you want to receive if the correct file is not being displayed now.
8. From the **PC File Type** drop-down menu, select the PC file type you want to receive it as:
 - Excel Spreadsheet (. XLS)
 - Comma Delimited (. CSV)
 - Tab Delimited (. TXT)
9. Check whether or not you want to delete the FFD after the transfer completes.
10. Click **OK**.

BlueZone Secure FTP displays a transfer status dialog showing the file transfer progress. To cancel a file transfer in progress, click **Cancel**.

After the file download is complete, the appropriate application automatically launches and displays the data.

Sending data files to the host system

1. Right-click the desired data file in the left-hand, client side window.
The Send File pop-up menu displays.
2. Select **iSeries File Transfer** from the pop-up menu.
Or, from the BlueZone Secure FTP menu bar, click **Transfer** ® **Send iSeries File Transfer**.
The iSeries File Transfer menu displays.
3. In the **Library** field, type the name of the library you want to send the file to if you are not in the correct library now.

4. In the **iSeries File** field, type the name of the iSeries file you want to send if the correct file is not being displayed now.
5. In the **FFD Library** field, type the name of the File Field Description (FFD) library you want to use if it is not being displayed now.
6. In the **FFD** field, type the name of the File Field Description (FFD) file you want to use if it is not being displayed now.
7. In the **PC Filename** field, type the PC file name of the file you want to send if it is not being displayed now.
8. Click **OK**.

The PC file is parsed, the new data file is created and uploaded to the iSeries host.

Chapter 6: Transfer list feature

Starting with version 5.0, BlueZone Secure FTP has a new feature called transfer list.

Users can now use BlueZone Secure FTP to automate file transfers using the transfer list feature. The transfer list feature allows users to quickly and easily create, save, and play frequently used file transfers. The BlueZone transfer list files (.BTL) can be viewed and edited using Notepad or any other text editor. The BlueZone file transfer list feature can also play Attachmate Extra! Transfer List (.ETL) files (for FTP only) natively, without the need for manual conversion.

Use transfer List

The transfer list features can be accessed from the BlueZone FTP menu bar or toolbar.

From the BlueZone FTP menu bar, click **Transfer** ® **Transfer List**. You then have the option to Record, Stop, Pause, Play, or Edit.

The following icons are on the toolbar:



From left to right, the icons are Record, Stop, Pause, and Play.

Record

Prompts the user for a file name to which the transfer list is written. Once the file name is specified and the dialog closed, BlueZone Secure FTP starts recording all interaction with the FTP server.

Stop

Stops recording or the playback of a transfer list file. When stopping playback, BlueZone Secure FTP completes the command currently in progress.

Pause

Pauses the recording of a transfer list. Pausing while recording keeps the transfer list file open, but suspends recording of FTP events until Pause is clicked again.

Play

Plays a transfer list file.

Edit

Launches Notepad, allowing the end user to view, edit, and save transfer list files.

Accessed through the menu bar only.

Transfer list format

The BlueZone transfer list format is simple. This makes it easy to write or edit transfer list files.

Transfer file syntax

```
FTP COMMAND "Source Filename" Destination Filename<CRLF>
```

Example 1

```
RETR "110to130.exe" C:\Users\s bireley\Documents\BlueZone\Transfer\110to130.exe  
STOR "C:\Users\s bireley\Documents\BlueZone\Transfer\Cc2.avi" Cc2.avi
```

Example 2

```

CWD /bussys
CWD /bussys/1394
CWD /bussys/1394/Document Registry
RETR "Registry.txt" C:\Users\sbireley\Documents\BlueZone\Transfer\Registry.txt
ACCT testdir
ALLO 256
CDUP
PWD
SYST
STAT

```

Transfer list command line switch

Command line switch /A is used to invoke the playing of a transfer list after the BlueZone Secure FTP connects to the host and the initial commands (if any) are complete.

Example

```
"C:\Program Files\BlueZone\bzftp.exe" /Ftransfer.zft /Amylist.btl
```

In the above example, the /F command line switch launches the BlueZone Secure FTP application using an existing BlueZone Secure FTP profile called TRANSFER.ZFT. Then, the /A command line switch causes the transfer list named MYLIST.BTL to be executed, after the FTP host configured in the profile is connected and any initial commands that are configured in the profile are finished executing, .

Refer to [Command line switch table](#), on page 58 for information on additional command line switches.

Tips

Disable specific commands

Edit an existing .BTL by using the Edit command. Place a semicolon in front of any line that you want to be ignored.

For example:

```
;ALLO 256
```

Playing transfer lists

When playing transfer lists, it is usually necessary to have the FTP server at the same location in the folder structure so the commands execute exactly the same way as when they were recorded. One or more transfers in the list may fail otherwise. Experienced FTP users can record commands at the beginning of each transfer list to put the FTP server at the correct place or use custom FTP commands that execute properly from anywhere in the folder structure.

Double-clicking on a .BTL or .ETL file in the BlueZone Secure FTP client window causes the transfer list to play.

Recording transfer lists

When recording transfer lists, use the **Pause** button to stop the recording of FTP commands that are not needed during playback.

For Attachmate Extra! users

BlueZone Secure FTP automatically converts .ETL files to .BTL format. The new file is created in the BlueZone \transfer folder and only if the .BTL file does not already exist.

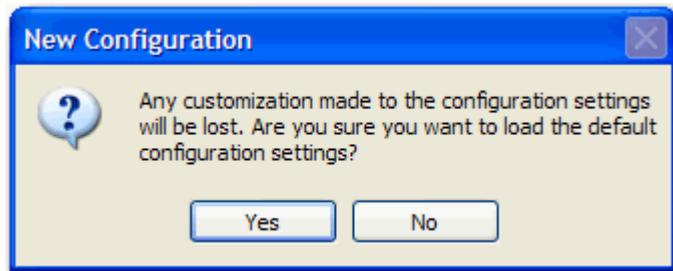
Chapter 7: Configuration management

Resetting configuration items

To reset all configuration settings back to their default values:

1. From the menu bar, click **File** ® **New**.

The following pop-up message appears:



2. Click **Yes** to load the default the configuration settings.

Note _____

This is a global function; all user-defined settings are reset to their default values.

Configuration files

BlueZone Secure FTP has the ability to import and export configuration files directly to and from the Windows Registry. A tremendous asset for systems administrators, these files can then be used on other machines to set the application's configuration settings.

Exporting all configuration settings to a file

1. From the menu bar, click **File** ® **Save As**. The Save Configuration As dialog displays.
2. Type a file name.

Note _____

You do not have to type in the file extension; the correct file extension is automatically supplied.

3. Click **Save**.

Importing all configuration settings from a file

1. From the menu bar, click **File** ® **Open**. The Open Configuration dialog displays.
2. Select or browse to the desired configuration file.
3. Click **Open**. The application uses the configuration settings stored in this configuration file.

Note _____

To store imported Windows Registry changes, go to the menu bar and click **File** ® **Save**.

Using the Start Configuration file

System administrators can preconfigure the application by saving the desired configuration settings to a file named `start` and then including the file on the distribution image. When the application is launched, it looks for a file named `start.zft` and auto-opens the file if it exists.

Chapter 8: DOS command line support

BlueZone Secure FTP uses command line switches so that the application can be executed and controlled from a DOS command line interface or a DOS batch file or a Windows program or script.

Refer to [Command line switch table](#), on page 58 for a complete listing.

Basic examples

If you want to launch the application from a DOS batch file and include a configuration file named `config.zft` to start the session, use the `/F` command line switch:

```
"C:\Program Files\BlueZone\BZFTP.EXE" /Fconfig.zft
```

If you want to launch the application from a DOS batch file and set the initial PC directory to a folder called `C:\MyFiles`, use the `/I` command line switch:

```
"C:\Program Files\BlueZone\BZFTP.EXE" /Ic:\MyFiles
```

You can also combine command line switches in one statement. The following example combines the two examples above:

```
"C:\Program Files\BlueZone\BZFTP.EXE" /Fconfig.zft /Ic:\MyFiles
```

Or, instead of including a configuration file in your DOS batch file, you can direct the batch file to use one of the existing FTP host connections that you have stored in your connection list. This list is zero based, so if you want to call the first connection in the list, use `/Z0` as shown here:

```
"C:\Program Files\BlueZone\BZFTP.EXE" /Z0
```

Other examples

Initial commands (`/L` command line switch) are used to configure the application to perform specific FTP commands upon connect. For example, if you want to configure the application to perform an upload of a file named `upload.txt` and then a download of a file named `download.txt` during your batch execution, use the following command line switch:

```
BZFTP.EXE /L"STOR upload.txt" /L"RETR download.txt" /L"EXIT"
```

The `/L"EXIT"` command line switch closes the application once the initial commands complete.

Nested double quotes

There are sometimes issues with getting double quotes to appear inside other double quotes through a DOS batch file. In BlueZone Secure FTP, we have implemented a special syntax that translates into a double quote and a blank space. The ampersand (`&`) translates into a double quote (`"`) and the percent sign (`%`) translates into a blank space (). The following is an example of using this syntax:

```
BZFTP.EXE /L"STOR &upload.txt& upload" /L"EXIT"
```

This translates the `STOR` command to `STOR "upload.txt" upload`, which uploads the local file `upload.txt` to the host as `upload`.

Double double quotes

Some scripting and programming languages support the use of double double quotes. The following example shows the use of double double quotes when you are calling BlueZone Secure FTP to run from a program or script using the `/Z` and `/L` command line switches:

```
Run "C:\Program Files\BlueZone\BZFTP.EXE /Z0 /L"RETR F1201.CSV"
```

Supported FTP commands

STOR

Uploads a local file to the host. If `str2` is in the command then the file name on the host will be set to `str2` instead of `str1`.

Format: STOR `str1`

Format: STOR "`str1`" `str2`

STOU

This command behaves like STOR except that the resultant file is to be created on the host under a name unique to that directory.

Format: STOU `str1`

Format: STOU "`str1`" `str2`

APPE

This command behaves like STOR except that if the resultant file already exists on the host the contents of the local file are appended to the host file.

Format: APPE `str1`

Format: APPE "`str1`" `str2`

PUT

This command behaves like STOR.

Format: PUT `str1`

Format: PUT "`str1`" `str2`

RETR

Downloads `str1` from the host and stores it on the local computer. If `str2` is in the command then the file name is stored on the local computer as `str2`.

Format: RETR `str1`

Format: RETR "`str1`" `str2`

GET

This command behaves like RETR.

Format: GET `str1`

Format: GET "`str1`" `str2`

MPUT

Uploads multiple files to the host. Wildcards (*) are supported in this command. Example: MPUT *.txt uploads all of the text files in the current directory to the host.

Format: MPUT `str1`

Format: MPUT `str1 str2 str3` and so on. Long file names containing spaces are not supported in this command; use multiple STOR commands instead.

MGET

Downloads multiple files from the host. Wildcards (*) are supported in this command.
Example: MGET *.txt downloads are the text files in the current host directory from the host.

Format: MGET str1

Format: MGET str1 str2 str3 and so on. Long file names containing spaces are not supported in this command; use multiple RETR commands instead.

LIST

Performs a listing of the current host directory.

Format: LIST

LS

Performs a listing of the current host directory. Not all hosts support this command.

Format: LS

DIR

Performs a listing of the current host directory. Not all hosts support this command.

Format: DIR

EXIT

Closes the BlueZone Secure FTP program.

Format: EXIT

QUIT

Disconnects the connection to the host.

Format: QUIT

CWD

Changes the current working directory on the host.

Format: CWD str1

CD

This command behaves like CWD.

Format: CD str1

CDUP

Changes the current directory to its parent directory.

Format: CDUP

TYPE

Changes the data type used for file transfer.

Format: TYPE A (Sets Type to ASCII)

Format: TYPE I (Sets Type to Binary)

Format: TYPE E (Sets Type to EBCDIC)

Format: TYPE F (Sets Type to Double-Byte EBCDIC)

Format: TYPE B (Sets Type to Double-Byte ASCII)

REIN

Terminates a USER. The state is now the same as after a connection is opened. A USER command may be expected to follow.

Format: REIN

SITE

This command is used by the server to provide services specific to the system that may be essential to file transfer. The nature of these services and the specification of their syntax can be stated in a reply to the HELP SITE command.

Format: SITE

DELE

Causes the file specified in `str1` to be deleted on the host.

Format: DELE `str1`

MKD

Causes the directory specified in `str1` to be created as a directory (if `str1` is absolute) or as a subdirectory of the current working directory.

Format: MKD `str1`

RMD

Causes the directory specified in `str1` to be removed. If the directory is not empty then BlueZone Secure FTP will try to recursively delete the contents in any subfolders.

Format: RMD `str1`

AUTH

Causes BlueZone Secure FTP to start an SSL handshake with the host.

Format: AUTH

Format: AUTH SSL

Format: AUTH TLS

Format: AUTH TLS-C

Format: AUTH TLS-P

SMNT

Allows the user to mount a different file system data structure. Format depends upon the host.

Format: SMNT `str1`

Format: SMNT `str1 str2`

Format: SMNT `str1 str2 str3`

IFTD

This command is unique to BlueZone Secure FTP. An iSeries File Transfer download is started with this command.

Format: IFTD `Library iSeries_File FFD Type PC_FileName`

Where: `Library` is the library on the iSeries server.

Where: `iSeries_File` is the data file to use for the transfer.

Where: `FFD` is the file field descriptor.

Type: 0 for XLS, 1 for CSV, 2 for Tab-delimited (.txt).

Where: `PC_FileName` is the destination file name for the .XLS, .CSV, or .TXT file.

IFTU

This command is unique to BlueZone Secure FTP. An iSeries File Transfer upload is started with this command.

Format: IFTU `Library iSeries_File FFD PC_FileName`

Where: `Library` is the library on the iSeries server.

Where: iSeries_File is the data file to use for the transfer.

Where: FFD is the file field descriptor.

Where: PC_FileName is the destination file name for the .XLS, .CSV, or .TXT file.

Control encryption from the command line

BlueZone Secure FTP uses command line switches so that the application can be executed and controlled from a DOS command line interface or a DOS batch file or a Windows program or script.

It is possible to use a command line switch to disable encryption, enable Explicit SSL/TLS, enable Implicit SSL/TLS, and enable SSH encryption. This is accomplished by using the /~ command line switches.

BlueZone Secure FTP supports the following encryption command line switches:

- /~0 - Disables Encryption
- /~1 - Enables Explicit SSL/TLS Encryption
- /~2 - Enables Implicit SSL/TLS Encryption
- /~3 - Enables SFTP Encryption

For example, if you wanted to start a BlueZone Secure FTP session with Explicit SSL/TLS Encryption enabled, use the /~1 command line switch when starting the session. The /~1 command line switch has the same effect as selecting **Explicit FTPS (SSL/TLS)** from the Security Options drop-down list box on the **Security** tab when you are configuring a host connection. Any additional SSL or TLS settings that are required, must be set and saved in the BlueZone Secure FTP configuration first.

The following is an example of starting a BlueZone Secure FTP session with Explicit SSL/TLS encryption enabled:

```
"C:\Program Files\BlueZone\BZFTP.EXE" /~1
```

Conversely, if you want to start a BlueZone Secure FTP session with encryption disabled, use the /~0 command line switch to disable SSL/TLS encryption. The /~0 command line switch has the same affect as clearing the **Enable Secure Sockets Layer** check box on the **Security** tab.

The following is an example of starting a BlueZone Secure FTP session with encryption disabled:

```
"C:\Program Files\BlueZone\BZFTP.EXE" /~0
```

Refer to [Command line switch table, on page 58](#) for a complete listing of command line switches.

iSeries file transfer from the command line

To execute an iSeries file transfer from the command line use the following commands.

For download use:

```
IFTD Library iSeries_File FFD Type PC_FileName
```

For upload use:

```
IFTU Library iSeries_File FFD PC_FileName
```

- Library is the library on the iSeries server
- iSeries_File is the data file to use for the transfer
- FFD is the file field descriptor

- Type: 0 for XLS, 1 for CSV, 2 for Tab-delimited(TXT)
- PC_FileName is the destination file name for the XLS, CSV, or TXT file

Example

```
BZFTP /L 'IFTD QGPL F1201 OUTFILE 0 F1201.XLS'
```

This example performs an iSeries file transfer download on QGPL\F1201 by creating an FFD of the name OUTFILE and then creates the Excel spreadsheet F1201.XLS.

Chapter 9: How to guide

File transfer tasks

Creating batch FTP transfers on a power key

BlueZone Secure FTP has the ability to send multiple FTP commands (batch commands) with the click of a single button. This is accomplished by assigning the desired commands to a power key. Up to 64 commands can be performed per power key.

This is especially helpful for batch file transfers.

To create a power key that can execute multiple commands, follow these steps:

1. From the BlueZone Secure FTP menu bar, click **View**  **Properties**.
The View Properties dialog displays a list of all your current power keys.
2. Click **New** to create a new power key.
The Command List dialog displays.
3. Click **New** to enter your first FTP command.
The Initial Command dialog displays.
4. From the **Pick Command** drop-down list box, select the desired FTP command.
The commands are listed in alphabetical order.
5. Some commands require a single value or two values and some do not require any values. If the desired command requires a value or values, type it now and click **OK**. If no values are required, click **OK** without typing a value.
Your first command appears in the **Command List**.
6. Repeat the process until all the desired FTP commands are entered into the command list. Note that you can easily Edit, Move Up, Move Down or Remove any commands from the list by clicking the corresponding button.
7. When you are finished entering all the desired FTP commands, click **OK**.
A new power key appears in the **Power Key** window with the name of the next power key number in the sequence.
8. If you want to rename the power key, click **Rename**.
9. If you want to move the position of the power key, use **Move Up** and **Move Down** as needed.
10. Click **OK** to complete the task.

Now when you click on the newly created power key, all the FTP functions associated with that key execute.

Using the initial commands feature

BlueZone Secure FTP includes the ability to send initial commands. Initial commands are one or more commands that you select from a list of possible FTP commands that are executed in order, upon connection to the FTP host system.

This feature is especially useful when you need to execute the same series of FTP commands on reoccurring basis. It is also a great way to execute a complex set of commands from the DOS command line.

Note

Initial commands can also be used in conjunction with the scheduling feature which can be used to completely automate the execution of commands on a scheduled basis. Refer to [Schedule tab, on page 27](#) for more information.

1. Either create a new FTP connection or edit an existing one from the Connection List.
2. Click the **Initial Commands** tab.
3. Click **New**.

A dialog displays that is used to select the desired command.

Refer to [Initial Commands tab, on page 26](#) for more information.

Using initial commands with a command line switch

Sometimes it is desirable to run the application from the DOS command line. BlueZone Secure FTP supports command line switches. One of these command line switches (/F) is used to start the application with a specific configuration file. In this configuration file you can store initial commands that automatically execute when the application is started.

In this way, you can use the DOS command line interface to launch BlueZone Secure FTP and automatically execute a complex set of commands.

Refer to [Launching from a command line, on page 11](#) and [DOS command line support, on page 42](#) for more information.

Using the scheduling feature

BlueZone Secure FTP file transfers can be executed on a schedule. This is accomplished by first creating a connection then configuring the schedule which is applied to that connection.

BlueZone Secure FTP must be running but does not have to be connected to the host in order for the scheduling feature to work.

Refer to [Schedule tab, on page 27](#) for more detailed information on configuring the scheduling feature.

Sending FTP commands manually

1. Create or select an existing host connection and connect to the host.
2. From the menu bar, click **Commands @ FTP**.
The Pick FTP Command dialog opens.
3. Select the desired FTP command from the **Pick Command** drop-down menu.
4. Type any additional values required by the selected FTP command.
5. Click **OK**.

The FTP command is sent.

Tip

If you are using the power key feature and you have the default values set, you can use the power key labeled **FTP** as a shortcut in lieu of selecting the command from the menu bar.

Sending custom FTP commands manually

A situation can arise where you must send a custom FTP command to your host. A custom command that does not exist as a standard FTP command and therefore is not available in the list of possible FTP commands that can be sent.

1. Create or select an existing host connection and connect to the host.
2. From the menu bar, click **Commands** ® **Custom**.
3. Type the FTP command to be sent in the field provided.
4. Click **OK**.

The Custom Command dialog displays

The FTP command is sent.

Tip

If you are using the power key feature and you have the default values set, you can use the power key labeled **Custom** as a shortcut in lieu of selecting the command from the menu bar.

File transfer options

Setting the transfer mode option

You can configure BlueZone FTP to automatically choose the correct transfer mode by selecting the **Auto** transfer mode. When **Auto** is selected, you must set the default transfer mode (Binary or ASCII), then if required, create a list of file extensions that are exceptions to the default transfer mode.

For example, if the majority of the files you transfer are program files and other non text-based files, set the default transfer mode to Binary, then add any exceptions like HTML files and TXT files to the **Exceptions List** located on the **Auto Mode** tab.

On the other hand, if the majority of the files you transfer are text based files like HTML, INI, and TXT files, set the default transfer mode to ASCII, then add any exceptions like EXE files to the **Exceptions List** located on the **Auto Mode** tab.

1. From menu bar, click **Session** ® **Transfer** ® **Option**.
The Transfer Options dialog displays.
2. Select the desired transfer mode from the **Transfer Mode** drop-down list box.
3. Click **OK**.

Refer to [Transfer options, on page 33](#) for more information.

Automatically closing BlueZone FTP after file transfers

This feature is useful if BlueZone FTP is being launched and controlled by a script to perform file transfers. It also can be useful when BlueZone FTP is configured to launch and execute automatic file transfers.

1. From menu bar, click **Session** ® **Transfer** ® **Options**.
The Transfer Options dialog displays.
2. Enable the **Close BlueZone FTP after transfer(s) completes** check box.
3. Click **OK**.

Using the PC time for time stamp

By default, when you download a file from a host, BlueZone FTP displays the date and time of the file that is provided by the host. If you would prefer, you can configure BlueZone FTP to use the local PC date and time as the time stamp for downloaded files.

This makes it easier to find files that were recently downloaded.

1. From menu bar, click **Session** ® **Transfer** ® **Options**.
The Transfer Options dialog displays.
2. Enable the **Use PC Time for Time Stamp** check box.
3. Click **OK**.

Miscellaneous options

Prompting for destination name before file transfer

1. From menu bar, click **Session** ® **Configure** ® **Edit** ® **Miscellaneous**.
The Miscellaneous Options dialog displays.
2. Enable the **Prompt for destination file name before file transfer** check box.
3. Click **OK**.

Disabling automatic LIST after connect and uploads

1. From menu bar, click **Session** ® **Configure** ® **Edit** ® **Miscellaneous**.
The Miscellaneous Options dialog displays.
2. Enable the **Disable automatic LIST after connect and uploads** check box.
3. Click **OK**.

Overwriting the LIST command with a custom command

1. From menu bar, click **Session** ® **Configure** ® **Edit** ® **Miscellaneous**.
The Miscellaneous Options dialog displays.
2. Enable the **Overwrite LIST command with** check box.
3. Type the desired FTP command in the box provided.
4. Click **OK** twice to exit.

Enabling or disabling passive mode

BlueZone Secure FTP can be configured for Passive Mode or Active Mode FTP file transfers. In BlueZone Secure FTP, new FTP Host connections have Passive Mode enabled by default.

Passive Mode is usually required when the application is being used behind a Firewall. Active Mode is typically used when there is no Firewall between the client and the FTP Host.

FTP is an unusual service in that it utilizes two ports, a 'data' port and a 'control port' (also known as the command port). Traditionally these are port 21 for the control port and port 20 for the data port.

Active mode

Active mode is the traditional communication method between an FTP client and FTP server. In this mode the FTP client establishes a connection from a random, unprivileged (>1024) port (X), to the FTP server's control port (21). The FTP client then notifies the FTP server which unprivileged port (X+1) it should connect back to. The FTP server then initiates a connection from its data port (20) to the specified FTP client port (X+1).

The potential problem here is that the connection between the FTP server and the FTP client on port X+1 is initiated by the FTP server, which means that security devices in front of the FTP client (like a Firewall) must allow remote hosts to establish connections to their clients on any port over 1024. In today's world, no Firewall would be configured in this way.

Passive mode

In passive mode, client opens two unprivileged ports (X and X+1). A connection is made from X to the FTP server's control port (21). The FTP server then opens an unprivileged port (Y) and notifies the client of this port. The client then initiates a connection from X+1 to port Y on the FTP server.

By using this technique, the client (not the FTP server) drives which ports are used so that the client side Firewall can block inbound connection requests to ports greater than 1024 for increased security on the network.

The transfer mode is applied separately for each connection that you have configured. This allows you to have some connections set to Active Mode and some set to Passive Mode. By default, Passive Mode is enabled when creating new connections.

1. To enable Active mode, click **Session** ® **Configure** ® **Edit** ® **Miscellaneous**. from the menu bar.
2. Clear the **Passive Mode** check box.
3. Click **OK**.

If you receive error message "500 Invalid Port Command", when connecting to an FTP Host, you are probably behind a firewall. You must turn on Passive Mode in order for the connection to work.

Enabling the keep alive timer

1. From menu bar, click **Session** ® **Configure** ® **Edit** ® **Miscellaneous**.
The Miscellaneous Options dialog displays.
2. Enable the **Enable Keep Alive Timer (Minutes)** check box.
3. Type the number of minutes you want the Keep Alive Timer to be sent.
Set the number to a value that is less than the time interval in which you are being disconnected.
4. Click **OK** twice to exit.

Sending a custom directory prefix on uploads

1. From menu bar, click **Session** ® **Configure** ® **Edit** ® **Miscellaneous**.
The Miscellaneous Options dialog displays.
2. Enable the **Use directory prefix on Uploads** check box.
3. Type the desired prefix in the box provided.
4. Click **OK** twice to exit.

Enabling reduced buffer size

1. From menu bar, click **Session** ® **Configure** ® **Edit** ® **Miscellaneous**.
The Miscellaneous Options dialog displays.
2. Enable the **Use reduced buffer size** check box.
3. Click **OK** twice to exit.

Additional features and options

Configuring the License Manager IP address

The License Manager IP address is configured in the **License Manager** tab located in the Session Configuration dialog.

To access the Session Configuration dialog, click **Session** ® **Configure** ® **License Manager** from the menu bar.

Refer to the License Manager tab in [Session configuration, on page 23](#).

Customizing the power keys

The BlueZone Secure FTP desktop includes a feature we call power keys. Power keys are buttons that are by default located at the bottom of the desktop that can be used as shortcuts to launch various features.

By default, the following Power Keys are provided:

- **Custom:** Used to issue a custom FTP command
- **FTP:** Used to issue a standard FTP command selected from a list box
- **Start Trace:** Starts a trace
- **Stop Trace:** Stops an active trace
- **Customize Power Keys:** Used to customize the power keys

You can delete the default power keys, create new power keys, or re-order the power keys. Power keys are excellent for creating and storing batch FTP commands.

Refer to [View properties, on page 22](#) for more information about power keys.

Un-docking and re-docking the power keys

BlueZone Secure FTP has a feature called power keys that appear at the bottom of the application desktop. These keys can be turned off completely or as an option, you can un-dock the power keys so that they float over the desktop.

To un-dock the power keys:

1. Place your cursor on the purple area between the power keys.
2. Click and drag the power keys away from the bottom of the application desktop.
The power keys turn into a blank rectangle.
3. Release the mouse button at the place where you want the power keys to reside.
The power keys can now be dragged anywhere on your desktop.

To re-dock the power keys:

Drag the power keys down toward the bottom of the application desktop. When the power keys turn into a long blank rectangle, release the mouse button.

Copying the Status window contents to a file

BlueZone Secure FTP has the ability to copy the contents of the FTP Status Window to the Windows clipboard which in turn allows you to copy this data to a text file.

1. Establish an FTP host connection and make any file transfers that you want to capture in the Status window.
2. From the menu bar, click **Edit** ® **Copy Status to Clipboard**.
The contents of the Status window are stored in the Windows clipboard.
3. Launch Notepad or any text editor.
4. Press CTRL + V to paste the contents of the Windows clipboard into the Notepad.
The contents of the Status window appears in the Notepad document.
5. Save the Notepad document.

Recording traces

BlueZone Secure FTP has tracing utility built into the application.

1. Launch a session but do not connect to the host.
2. From the menu bar, click **File** ® **Start Trace**.
A standard Windows file name dialog displays.
3. Give the trace file a name and click **Save**.
The trace file is saved in your BlueZone/Traces folder. You can save it in a different location if you prefer. The trace is now being recorded.

To stop the trace, click **File** ® **Stop Trace** from the menu bar. The trace is now stopped.

Note

As a convenience, the default power keys are configured with **Start Trace** and **Stop Trace** power key buttons that can be used to start and stop traces.

Configuring the logging feature

The BlueZone Secure FTP logging feature is configured through the **Options** tab located on the Session Configuration dialog.

1. From the BlueZone Secure FTP menu bar, click **Session** ® **Configure**.
2. Click the **Options** tab.

Refer to [Session configuration, on page 23](#) for more information.

Using the shell extension feature

BlueZone Secure FTP includes support for Windows Shell Extensions.

Windows Shell Extensions is a Windows feature that allows programs to interact with the Windows Shell.

During installation, BlueZone Secure FTP automatically adds a right-click menu option into the Windows Explorer.

If you are very comfortable with Windows Explorer and you prefer to use it as a way of locating files on your PC, you can perform FTP uploads via Windows Explorer with a right-click.

In order to use the Shell Extension feature, first ensure that the feature is enabled in the BlueZone Secure FTP File Properties dialog. Shell extensions can be turned on or off by the **Activate BlueZone Secure FTP shell extensions** check box on the **Program** tab.

1. Launch BlueZone Secure FTP and configure a session to the desired FTP host. You can minimize BlueZone Secure FTP now if desired.
2. Launch Windows Explorer and navigate to a file that you want to upload.
3. Right-click the desired file.

A Windows pop-up menu appears.

4. Select **BlueZone Secure FTP upload to** ® **Session Number**.

Note

If you have two sessions running, the pop-up menu shows both sessions, T1 and T2. You can then choose the desired session for the upload.

Configuring the clear control channel feature

BlueZone Secure FTP supports using Secure Sockets layer, where both the control channel and data channel are encrypted, or where only the data channel is encrypted and the control channel is not. The latter is known as clear control channel.

Clear control channel is useful when end users need to FTP through a firewall using secure methods. Firewalls depend on seeing the data in the control channel to know which port to open for the data channel. If the data in the control channel were encrypted, the firewall cannot see the PORT or PASV commands to know which port to open. Using clear control channel enables the firewall to open the correct ports.

To enable the clear control channel:

1. From the menu bar, click **Session** ® **Configure**.
2. Select a **Connection** to edit.
3. In the **Security** tab, enable the **Enable Secure Sockets Layer** check box.
4. Enable the **Enable Clear Control Channel** check box.

Note

The user ID and password are transmitted on the clear control channel and are not encrypted when clear control channel is enabled.

Configuring mouse options

There are two mouse options that you can choose from: the mouse can either be used to initiate file transfers or it can be used to view files.

1. From menu bar, click **Session** ® **Configure** ® **Options**.
The Double-Click Options dialog displays.
2. Select either the **Send/Receive File** or the **View File** radio button.
3. Click **OK** to exit.

Send/Receive File

When this option is selected, you can use a double-click to initiate file transfers.

View File

When this option is selected, you can also select the name of the application that you want to use for unregistered file extensions. This option is particularly useful since it is possible that you may be downloading files from a host system that are not registered on your Windows PC.

When file extensions are not registered, Windows displays a dialog that allows you to choose an application to use when opening that file. By choosing the application that you want to use to open the unregistered files, you eliminate that time consuming step.

Configuring FTP with Arabic support

Before you can transfer files, you must properly configure the bidirectional language and translation options.

If you are using z/OS version 1.9 or later, the bidirectional options do not need to be set on the **Bidi** tab. Instead, issue the following two SITE commands:

- `SITE ENCODING=MBCS`
- `SITE MBDATACONN=(IBM-420,UTF-8)`

The host handles all translation between UTF-8 on the PC-side and code page 420 on the host-side.

If you are using z/OS version 1.8 or earlier, follow the steps below:

1. From BlueZone Secure FTP, click **Session**  **Configure**.
2. In the **Connection List**, highlight the desired session and click **Edit**.

If you do not have any sessions created, click **New**. Refer to [Define new connections, on page 25](#) for more information on defining connections.

3. Click the **Bidi** tab.
4. Check the **Enable Arabic Processing** check box.
5. Select the **PC Code Page**.

BlueZone automatically handles the PC code page selection for uploads by reading the header on the file. If there is no header, it is assumed to be 1256. Arabic processing only converts 864 to the selected target PC code pages.

6. The FTP server must be configured for IBM-420, IBM-864 translation on the mainframe. You can temporarily set this option from BlueZone Secure FTP using the following custom command:

- a. Click **Command**  **Custom**.
- b. Type the following command:


```
SITE sbdataconn=(IBM-420,IBM-864)
```
- c. Click **OK**.

This option can also be set permanently from the BlueZone mainframe display. Refer to "IND\$FILE transfer - IBM Mainframe (3270)" in the *BlueZone Display and Printer Help* for more information.

7. Send the STAT command to the FTP server:
 - a. Click **Command**  **Custom**.
 - b. Type the following command:


```
stat
```

- c. Click **OK**.

The output of the STAT command lists in the status log window confirming that the FTP server is configured for IBM-420, IBM-864 translation on the mainframe.

Appendix A: Command line switch table

BlueZone Secure FTP supports many command lines switches that can be used to control the application during startup. Command line switches are added to the command line after the file name that loads the application.

Table 2: Secure FTP command line switches

Switch	Function
/L	Initial Commands
/S	Session Number
/F	Configuration File
/C	Connection Name
/D	Session Description
/H	Host IP Address or DNS Name
/O	TCP Port
/T	Host Type
/N	Username
/P	Password
/I	Initial PC Directory
/R	Initial Host Directory
/K	Private Key Password
/A	Play Transfer List after Connect and Initial Commands
/Z	Use Host # in Connection List (0 through 64)
/!	License Manager Address Override
/#	License Manager Group Override
/~0	Disables Encryption
/~1	Enables Explicit SSL/TLS Encryption
/~2	Enables Implicit SSL/TLS Encryption
/~3	Enables SFTP Encryption
/1../9	Var 1 through Var 9
/[0	Sets auto-connect to False
/[1	Sets auto-connect to True

Related information

You might need to refer to other sources of information when you are using BlueZone products. This section lists the documentation that supports BlueZone.

Version 6 Release 1 product information:

- *BlueZone Advanced Automation Developer's Guide*, BZAA-0601-DG-01
- *BlueZone Desktop Administrator's Guide*, BZD-0601-AG-01
- *BlueZone Display and Printer User's Guide*, BZDP-0601-UG-01
- *BlueZone Integration Server Administrator's Guide*, BZIS-0601-AG-01
- *BlueZone License Manager Administrator's Guide*, BZLM-0601-AG-01
- *BlueZone PasswordVault User's Guide*, BZPV-0601-UG-01
- *BlueZone Secure FTP User's Guide*, BZSF-0601-UG-01
- *BlueZone Security Sever Administrator's Guide*, BZSS-0601-AG-01
- *BlueZone Session Manager User's Guide*, BZSM-0601-UG-01
- *BlueZone Web-to-Host Administrator's Guide*, BZWH-0601-AG-01

Index

A

accessing	
help options.....	7
active mode.....	51
Arabic support	
configuring.....	56
associating	
FTP transfers	
on power keys.....	48
automatic LIST	
disabling.....	51

B

batch transfers	
associating to power keys.....	48

C

clear control channel feature.....	55
command line support	
DOS.....	42
command line switches.....	58
transfer list.....	39
commands.....	43
configuration	
resetting.....	40
configuration files.....	40
configuring	
Arabic support.....	56
sessions.....	23
connection	
defining.....	25
contact technical support.....	3
controlling	
encryption.....	46
custom FTP commands	
sending manually.....	50
customizing	
power keys.....	53

D

defining	
connections.....	25
disabling	
automatic LIST.....	51
passive mode.....	51
displaying	
program information.....	9
DOS	
command line support.....	42

E

enabling	
active mode.....	51
keep alive timer.....	52
reduced buffer size.....	53
encryption	
setting.....	46
establishing	
host sessions.....	32

F

features	
clear control channel.....	55
initial commands.....	48
scheduling.....	49
shell extension.....	54
transfer list.....	38
file properties.....	18
files	
configuration.....	40
receiving.....	35
sending to the host.....	34
formats	
transfer list.....	38
FTP commands.....	43
custom.....	50
sending manually.....	49

H

help options.....	7
host sessions	
establishing.....	32

I

initial commands feature.....	48
iSeries files	
receiving.....	36
sending.....	36

K

keep alive timer	
enabling.....	52

L

launching	
BlueZone Secure FTP.....	11

from other BlueZone applications.....	11
from the command line.....	11
legal notices.....	2
license information	9
LIST command	
overwriting	
with custom command.....	51
M	
menu options.....	14
mouse options	55
O	
options.....	33
menu	14
mouse.....	55
toolbar.....	16
overwriting	
LIST command	
with custom command.....	51
P	
passive mode	51
power keys	
associating FTP transfers.....	48
customizing.....	53
program information	
displaying	9
properties	
file	18
R	
receiving	
files	35
iSeries files	36
recording	
traces	54
reduced buffer size	
enabling	53
resetting	
configuration.....	40
S	
scheduling feature	49
sending	
custom FTP commands manually.....	50
files	
to the host.....	34
FTP commands manually.....	49
iSeries files	36
sessions	
configuring.....	23
setting	
transfer mode.....	50
shell extension feature.....	54
status bar indicators	18
T	
technical support.....	3
time stamps	
using PC time.....	51
toolbar options	16
traces	
recording.....	54
trademarks	2
transfer.....	33
transfer list	
command line switches	39
format.....	38
transfer list feature	38
transfer mode	
setting	50
transfer options	33
V	
version information	9