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Introduction

FTP Plus has been designed to bring the power of enterprise computing to the Windows desktop. Realising the gap existing between familiar Windows application users and legacy terminal users, FTP Plus allows the navigation and maintenance of files and directories using FTP Explorer and the ease of editing remote files directly using Edit PLUS.

Edit PLUS provides a feature rich text editor for enterprise computing users, supporting all the features found in Windows text editors. Edit PLUS increases productivity by bringing new functionality to those users limited to using vi and other editors.

Features Summary

- Ability to edit multiple files simultaneously
- Support for both ASCII and binary type files
- Additional features for editing COBOL and other fixed number type files
- Users can create and insert their own code templates
- Ability to indent/unindent text blocks
- Support for Tab/Space character transposition
- Print and print preview support
- Text alignment ruler
- Support for bookmarks and line numbers

FTP Explorer complements Windows Explorer by providing a familiar view of enterprise computer file systems. To complement the standard Unix file view, FTP Explorer also supports HP3000 MPE/iX and DEC VMS/VAX. This allows a single solution to view and modify files and directories for both users and system administrators.

Features Summary

- Windows Explorer compliant user interface
- Supports file transfers, create directories, rename files and directories, delete files and directories.
- Files can be transferred and viewed quickly using Windows file associations
- "Send To" shortcut menu support
- Multi-platform FTP client for Unix, HP3000 MPE/iX and DEC VMS.

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MPE/iX Questions and Answers

If you have a question about how to use FTP Plus with an MPE/iX FTP Server it is likely that the question has been asked before. If you are still having problems or have a question please email support@whispertech.com.

Q. I am unable to connect to the HP3000

A. Check with your network administrator. The FTP service must be available before you can connect.

Check that the FTP server job (JFTPSTRT.ARPA.SYS) is running.

Check that the correct IP/host address has been specified. See your network administrator for this information.

Q. I am unable to logon.

A. If an MPE/iX user cannot logon to the remote system, verify the logon account and passwords are correct.

Try to logon to the server from a terminal with the user's account and password(s).

Q. What do I enter for username and password for a connection ?

A. MPE/iX user logon accounts are in the form:

sessname,username.acctname,groupname

The session name parameter (sessname) is optional. Passwords may be required for all three parts of the user account:

userpass,accountpass,grouppass

You can enter the user logon account and passwords together as follows:

session1,username/userpass.acctname/acctpass,groupname/grouppass

Q. What is the difference between folders and Account and Groups ?

A. FTP provides a hierarchical view of a file system. In terms of native MPE/iX, the folders off the root are Accounts, and the sub folders are Groups.

Q. How can I specify a connection starting in a specific account ?

A. In the connection properties specify the account name (in upper case) prefixed by a '/'. For example "/SYS", or for a group in the SYS account "/SYS/PUB". Please note you cannot traverse back from the start folder.

Q. Can I be prompted for my password when I connect or do I have to specify my password in the connection properties?

A. If the password field is left blank FTP Plus will prompt you if it requires a password for the specified account. Please see above for logon and password rules. Please remember that the password will be requested every time the FTP server is connected and that the frequency of this is determined by the timeout setting.

Q. What is the difference between native MPE/iX file system and the POSIX file system ?

A. FTP Plus attempts to distinguish between POSIX and MPE/iX file systems in order to reduce the confusion of users when dealing with files.

Restrictions and implications of the choice of file system are summarised below. More information on the differences between the two file systems is available from Hewlett-Packard.

Native MPE/iX

- New files cannot be created with file extensions.
- It is not possible to create either Accounts or Groups.
- It is not possible to delete either Accounts or Groups.
- It is not possible to download the entire contents of an Account.
- All new folders are created as HPFS Directories.
- Files uploaded as either ASCII or binary are created with default file attributes.
- File names are case-insensitive and all appear in upper case
- FTP Plus allows any files whose MPE file type is ASCII to be streamed to the MPE job queue.

MPE POSIX

- New files are not necessarily visible to the native MPE/iX file system.

Q. Why are new folders created using FTP Plus not appearing in the MPE/iX file system?

A. Folders created using FTP Plus are created as HPFS directories and are only visible in the POSIX file system.

If you want these new folders to appear in FTP Plus change the connection type to POSIX.

Please note it is not possible to create new Accounts or Groups using FTP Plus.

Q. Can I work with multiple files in the Explorer windows ?

A. Yes, select the files using the CONTROL or ALT keys while selecting items with the mouse.

Q. Can I download complete accounts from my HP3000?

A. Yes, however you have to download each group individually.

Q. What happens when I open a file that has a lockword ?

A. FTP Plus will prompt for the lockword for the file. If the lockword is not known the operation will be aborted.

Q. How can I add a lockword to a file ?

A. Select rename from the File menu, suffix the filename with "/" followed by the new lockword.

Q. What happens when I open a numbered file in Edit PLUS ?

A. Edit PLUS should be able to determine if a file is numbered and prompt you to remove the numbers while editing. When saving the file the numbers will be added.

Q. What happens when I open an EDTCT (COBOL Edit File) in Edit PLUS ?

A. Edit PLUS should be able to determine if a file is COBOL file and remove the numbers while editing. When saving the file will be renumbered from 1000 in steps of 10.

Q. What happens if I edit a QEDIT file ?

A. There is currently no support for QEDIT files and the file is viewed in its ASCII format. We are currently investigating the possibility of supporting QEDIT and other native file formats.

Q. Can I upload or download a file that has been transferred using WRQ Reflection with labels ?

A. Yes, however due to inconsistencies between versions of the FTP Server, support for files with user labels and variable binary files may be disabled.

Q. Why does it take longer to connect to the HP3000 in comparison to a standard UNIX server ?

A. The HP3000 FTP server program issues a programmatic logon for each connection in order to conform to the HP3000 security semantics. This results in slow connection times similar to that of a normal logon.

Q. When I open a file in Edit PLUS each line is padded with spaces to the file's record length, is there any way to remove these trailing spaces ?

A. In Edit PLUS you can either use the Replace Special item in the Edit menu to remove all trailing spaces or through the program Options remove trailing spaces by default.

Q. Can I set the record length of an open file in Edit PLUS ?

A. When Edit PLUS saves a file it uses the Margin Size of a file to determine a files record length. When this is zero the file is saved as variable ASCII, when it is a positive value the file is saved as fixed ASCII.

Command Macros

Edit PLUS now includes support for Command Macros. These allow the recording of keyboard and mouse operations in order to quickly reproduce a repetitive series of user interactions.

Recording a new Macro

1. From the **Macro** menu, click **Record**
2. Perform the task you wish to record (you can use either the mouse or the keyboard)
3. From the **Macro** menu, click **Stop**

Note: You can use the Pause item in the Macro menu to suspend recording. Clicking pause again will continue recording.

Saving a New Macro

1. From the **Macro** menu, click **Save As**
2. Enter a file name and choose save

Loading an Existing Macro

1. From the **Macro** menu, click **Load**
2. Select the macro file to load and choose open

Note: Loading a new macro will replace any existing macro.

Playing the Current Macro

1. From the **Macro** menu, click **Play**
2. The tasks that were recorded will now be played in order.

Note: To interrupt a macro while it is playing press Ctrl+Break.

Native Language Support

Since the 8 bit character set used by PC's often does not match the 8 bit character set on FTP servers, Edit PLUS now includes support for translating files. Native Language Support or NLS allows the contents of a file to be translated as it is opened and restored when it is saved.

Using NLS

To allow a file to be translated between the FTP Server and Edit PLUS a translation file is required. This file determines how specific characters in the ASCII character set should be translated.

Hebrew Support

For details on native Hebrew language support please contact [Technical Support](#).

Creating a Translation File

A translation file takes the format of an INI file, with a section determining the language name followed by the ASCII table assignments. The values in the conversion table are always listed as the client 8 bit ASCII code followed by the '=' character followed by the server 8 bit ASCII code.

A translation file must have the extension NLS and must reside in the same directory as Edit PLUS. If you have created a new NLS file while Edit PLUS was running it must be restarted in order to search for the new file.

The following example determines how a translation table may be constructed for the Finnish* language. Remember that for every entry in the table there must be a matching translation, in this example note that the translation 201=221 is followed by 221=201. This allows Edit PLUS to correctly translated the file when it is saved as well as opened.

```
[Finnish]
```

```
201=221
```

```
221=201
```

```
217=222
```

```
222=217
```

An NLS file can contain any number of translation tables.

Note: It is very important to check that the translation table is complete, with all translations from server to client being matched with client to server entries. If this is not done correctly the file may not be translated properly which can lead to file corruption.

Using Native Language Support in Edit PLUS

When Edit PLUS is loaded it searches for any NLS files in the directory it is running from. If any NLS files are detected, a new item, "Language", is added to the bottom of the Edit menu.

Translating a Document

1. From the **Edit** menu, click **Language**
2. From the **Language** menu, select the desired language translation

The file is now translated using the specified language. When the file is saved the document will be translated back into its native language before it is transferred.

Removing Translation from a Document

1. From the **Edit** menu, click **Language**
2. From the **Language** menu, click **None**

The file will now be returned to its native format. The file will be transferred verbatim when it is saved.

Automatically Translating Documents

If you find that the majority of your documents require translating to a single language, Edit PLUS allows a default translation to be specified in the program Options.

1. From the **View** menu, click **Options**
2. In the **Options** dialog, select the **Language** tab
3. Select the "Automatically convert files to" option
4. Select the desired language translation and click OK

Note: When applying a default language translation remember to remove translations when loading files from an FTP server using a different language set.

New Editing Features

Select Line – Automatically select the entire contents of the current line (Ctrl+L)

Display Options – Set the Typeface and Color of the editor

Command Macros – Record common tasks and play them back

Custom Insert Menu Items – Add your own items to the insert menu

Default Templates for New Files – Easily select the template options for new files

Enhanced Support for MPE/iX Files – Specify the file type ID for MPE/iX files

Edit PLUS has been designed to aid its users in quickly editing files. Because we are committed to providing the most feature rich edit available for FTP users we are constantly taking comments from our users and incorporating them into the product. If you have any features you would like to be considered for the next release of Edit PLUS, please email us at support@whispertech.com

Adding Custom Items to the Insert Menu

Edit PLUS allows users to add commonly used text strings to the insert menu by means of external INC files. These appear on the Insert menu and when selected insert the contents of the INC file at the current cursor position.

Creating a New INC File

INC files are simply ASCII files containing text. When Edit PLUS is loaded it searches the specified INC file location for files with the extension INC and adds them to the **Insert** menu.

Specifying INC File Location

1. From the **View** menu, click **Options**
2. In the **Options** dialog, select the **Includes** tab
3. Select the location of the INC files and click OK

Using Bookmarks

Bookmarks are a handy way to mark lines and quickly jump back to them when required.

Adding a Bookmark

1. Place the cursor on the line on which you want to bookmark
2. From the **Edit** menu, click **Toggle Bookmark**

Note: To remove a bookmark click **Toggle Bookmark** again

Navigating Bookmarks

Bookmarks are easily navigated using the **Next Bookmark** item from the **Edit** menu, this will move the cursor to the next line in the document on which a bookmark is set. When the end of the document is reached, searching for the next bookmark continues at the start of the file. If there are no bookmarks the cursor will not be moved.

Viewing the Bookmark Margin

Lines marked with Bookmarks are displayed using a pin in the Bookmark margin. Using the **Bookmark Margin** option in the **View** menu it is possible to show or hide the margin. This will not affect navigating or adding/removing bookmarks.

Using Edit PLUS for Terminal Users

Those users familiar with using a terminal emulator to edit their files will need to determine how tabs are entered in those files and whether they overwrite text by default.

Tabs settings are set in the program's Options dialog. This allows the tab character to be substituted with spaces, which is especially useful for COBOL programmers using compilers that do not support the tab character.

By default when the user presses the tab key (not applicable if there is a text selection) a tab character is inserted at the current cursor position. If you are more familiar with the tab key moving the cursor position to the next tab stop, you will need to change the edit mode. Pressing the Insert key will force all text to be overwritten, pressing the Insert key again will switch this off.

Note: You can determine which edit mode is selected by looking at the second field from the right in the status bar, if it displays INS the current edit mode is insert, if it displays OVR the current edit mode is overwrite.

Context Sensitive Help for Programmers

Applications such as Microsoft Visual C and Microsoft Visual Basic offer programmers the ability to search an external help file based on the word currently under the cursor position. Using Edit PLUS it is also possible to open an external help file as a programming language reference.

Using this functionality, users of Microsoft Visual C 1.5 can use the help file MSCXX.HLP (which is optionally installed into the help directory) to provide context sensitive help on “C” within Edit PLUS.

Specifying a Context Help File

1. From the **View** menu, click **Options**
2. In the **Options** dialog select the **Help Files** tab
3. Enter the name of the help file and click OK

Note: Edit PLUS uses the current selection or the word under the cursor as a search item in the index of the specified help file. If the item does not exist, the Help file will list the closest possible match in its index.

Working with Local Files

Edit PLUS gives users the option to open or save documents as standard PC files. Using the Local Open and Local Save As items in the File menu, files can be stored locally for backup purposes, in the event of a loss in communications with the FTP server or as an alternative to Notepad.

Opening a PC file

1. From the **File** menu, click **Local Open**.
2. Select the file(s) to open and click **Open**.

Note: you must use **Local Save As** to save the file locally.

Saving a file as a PC file

1. From the **File** menu, click **Local Save As**.
2. Enter the destination file name and click **Save**.

Command Line Options

Edit PLUS supports the following command line options:

`ftp:// [server] / [directory] / [filename]`

For examples of how to specify the fully qualified filename, open the file in Edit PLUS, the correct filename will appear in the caption.

Editing Native MPE/iX Files

Opening Known File Types

COBOL (EDTCT) Files – Are automatically assigned the COBOL file template, this includes support for line numbering and entering tabs as spaces.

Numbered Files – When loading a file, Edit PLUS checks for right hand line numbers in the file. These are then removed and the Numbered Files template is assigned.

Fixed (FA or FB) Type Files – The margin size is set to the record length taking into account and numbering template assigned

Changing the Record Length of a File

The record length of an MPE file is determined by the margin size assigned by Edit PLUS. When opening any fixed type file (FA or FB) Edit PLUS uses the MPE record length as the margin size after taking into account and numbering template assigned. When the file is saved the margin size is then used to set the record length of the file.

Files with a margin size are saved as either FB or FA, files with a margin size of 0 are saved as either VA or BS, depending on whether the file is saved as ASCII or Binary.

See [Setting the Margin Size](#) for more information

Changing the File Code of a File

The MPE/iX file code is used by applications on HP3000 to identify the type of a given file.

1. From the **Edit** menu, click **Properties**
2. Select the new file code from the **MPE File Code** drop down list or enter a numeric value
3. Click **OK** to update the file properties.

Note: The file must have be native MPE/iX file to allow the file code to be changed. The type of a file, MPE/iX or UNIX, is identified in the 4th panel from the right on the status bar.

Setting the Margin Size

The margin size is used to restrict the maximum length of any given line in a document. This is ideal for COBOL files or files which must maintain a predetermined file structure during editing. The MPE/iX Numbering template also uses the margin size to determine where to insert right hand line numbers when saving a file.

Changing the Margin Size

1. From the **Edit** menu, click **Margin** (Ctrl+M)
2. Enter the new margin size.
3. Click **OK** to update the document.

Note: The margin size must exceed the length of the longest line in the document including any numbering template assigned.

