

VRTECH

*Batch*FTP

FTP never been so easy!

Send & Receive Files via FTP

BatchFTP...

The Batch FTP is an enhancement of the FTP service on the AS/400.

It includes an easy to use AS/400 commands that allows send and receive files From and To the AS/400 on-line and batch.

BatchFTP ...characteristic

- ❖ BatchFTP can run On-Line/batch mode.
- ❖ BatchFTP use AS/400 commands format – Easy to integrate.
- ❖ User exit programs are provided to add activities before and after file transmission.

BatchFTP ...characteristic

- ❖ **Automation**
 - ❖ **File level transmission – provide the file name and library to BF command and it will be submitted to the remote system.**
 - ❖ **Library level transmission – drop the files in the library and It will be send to it's destination.**
 - ❖ **Remote path level transmission – specify the remote path and files will be send to the AS/400 periodically.**
 - ❖ **Build-in scheduler.**

BatchFTP ...characteristic

- ❖ **FTP scripts**
 - ❖ **FTP scripts can predefine the FTP scenario - for simplicity.**
 - ❖ **All communication information (IP, User, Password ...) are encapsulated in scripts.**
 - ❖ **Variables can be added to the scripts and modified at run time.**
 - ❖ **User define scripts.**



BatchFTP...The Easy Way to Connect!

BatchFTP ...characteristic

- ❖ **Out of the box scripts**
 - ❖ **Import and Export AS/400 files.**
 - ❖ **Export AS/400 files to MS XL via CSV (Comma Separated Values).**
 - ❖ **Export complicated files (include fields like Zoned, Timestamp) automatically to Ansi format (Windows).**
 - ❖ **Send/Receive SAVF file via FTP.**

BatchFTP ...characteristic

- ❖ **Security**
 - ❖ All FTP activates are initiate by the AS/400.
 - ❖ All communication information (IP, User, Password, file location...) is encapsulated in scripts or transfers to script at run time.
 - ❖ Full transmission logs.

Architecture

BatchFTP

Receive AS/400 Lib

(RcvBFLib)

Send AS/400 Lib

(SndBFLib)

Receive AS/400 File

(RcvBFFile)

Send AS/400 File

(SndBFFile)

BatchFTP Core API's

(SetBFScript, DoBFScript)



BatchFTP...The Easy Way to Connect!

BatchFTP ...Screenshots

```
BFMENU                               Batch FTP

Select one of the following:

File/Library Commands
1.  Send File
2.  Receive File
3.  Send All Files in Library
4.  Receive All Files into Library
5.  Stop Snd/Rcv All Files in Library
6.  Release 2 Snd/Rcv All Files in Lib'

Script Commands
10. Set BF Script
11. Do BF Script

Administration
70. Display Today's Transmition Log
71. Clear Today's Transmition Log
75. Display BF Batch Jobs JOB(@BFTP@)
76. Work with BF OutQ

Maintenance
89. Work with BF Global Parameters

Selection or command
==> 

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel
F13=Information Assistant   F16=AS/400 main menu
```

Send and receive commands for File and Library.

Row: 20 Col: 7

```
BFMENU                               Batch FTP

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File/Library Commands
1.  Send File
2.  Receive File

3.  Send All Files in Library
4.  Receive All Files into Library
5.  Stop Snd/Rcv All Files in Library
6.  Release 2 Snd/Rcv All Files in Lib'

Script Commands
10. Set BF Script
11. Do BF Script

Schedule Commands
50. Start a Schedule Command Set
51. Stop a Schedule Command Set

Administration
79. Work with BF Global Parameters

Selection or command
==> 

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel
F13=Information Assistant   F16=AS/400 main menu

Row: 20 Col: 7
```

API commands
Allow the programmer develop
customize FTP activities.

```
BFMENU                               Batch FTP

Select one of the following:

Customize scheduler  
integrated in the BatchFTP

3.  Send All Files in Library
4.  Receive All Files into Library
5.  Stop Snd/Rcv All Files in Library
6.  Release 2 Snd/Rcv All Files in Lib'
Script Commands
10. Set BF Script
11. Do BF Script

Administration
70. Display Today's Transmition Log
71. Clear Today's Transmition Log
75. Display BF Batch Jobs JOB(@BFTP@)
76. Work with BF OutQ

Maintenance
89. Work with BF Global Parameters

Selection or command
==> 

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel
F13=Information Assistant  F16=AS/400 main menu

Row: 20 Col: 7
```

```
BFMENU                               Batch FTP

Select one of the following:

File/Library Commands
1.  Send File
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3.  Send All Files in Library
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Script Commands

Schedule Commands
50. Start a Schedule Command Set
51. Stop a Schedule Command Set

Administration
70. Display Today's Transmission Log
71. Clear Today's Transmission Log
75. Display BF Batch Jobs JOB(@BFTP@)
76. Work with BF OutQ

Maintenance
89. Work with BF Global Parameters

Selection or command
==> 

-----
F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel
F13=Information Assistant   F16=AS/400 main menu

Row: 20 Col: 7
```

**Administration interface
Allow full accesses to product
logs, and submitted FTP sessions**

Administration
70. Display Today's Transmission Log
71. Clear Today's Transmission Log
75. Display BF Batch Jobs JOB(@BFTP@)
76. Work with BF OutQ


```
Send All BF Files in Library (SNDBFLIB)

Type choices, press Enter.

Library to serve . . . . .            Name
Base on FTP script . . . . .            Name
  Library . . . . .   *LIBL           Name, *LIBL, *CURLIB
  Member . . . . .                    Name
Wait interval in seconds . . . .   3500           Number

Bottom
F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys
```

```
Rcv All BF Files into Library (RCVBFLIB)

Type choices, press Enter.

Library that receive rmt files      _____ Name
Base on FTP script . . . . .       _____ Name
  Library . . . . .                 *LIBL      Name, *LIBL, *CURLIB
  Member . . . . .                 _____ Name
Base on Before FTP script . . . . . _____ Name
  Library . . . . .                 *LIBL      Name, *LIBL, *CURLIB
  Member . . . . .                 _____ Name
Base on After FTP script . . . . . _____ Name
  Library . . . . .                 *LIBL      Name, *LIBL, *CURLIB
  Member . . . . .                 _____ Name
Wait interval in seconds . . . . . 3600      Number
```

Bottom

F3=Exit F4=Prompt F5=Refresh F12=Cancel F13=How to use this display
F24=More keys



```
Columns . . . : 1 71 Browse HV3/DFTFTPSRC
SEU==> _____ QGPA2A
FMT ** ...+... 1 ...+... 2 ...+... 3 ...+... 4 ...+... 5 ...+... 6 ...+... 7
***** Beginning of data *****
0001.00 FTP RMTSYS(<@RMTSYS@>)
0002.00 XXX
0003.00 XXX
0004.00 USER <@USER__@> <@PAS__@>
0005.00 ASCII
0006.00 GET <@FPATH_@> <@LIB__@>/<@FILE__@>
0007.00 QUIT
***** End of data *****
```

F3=Exit F5=Refresh F9=Retrieve F10=Cursor F11=Toggle F12=Cancel
F16=Repeat find F24=More keys

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BatchFTP ... highlights

- ❖ Send files from the AS/400 to a remote location just by dropping the files into a predefined library.
- ❖ Receive files automatically from a remote system into an AS/400 file.
- ❖ Export files in a CSV format to be used as import source for MS excel and other PC based applications/data bases.
- ❖ Receive a detailed log on any FTP transmission in the product.
- ❖ Write your own FTP scripts and pass parameters via *BatchFTP* command interface.

..... And much more.