

State of Michigan Data Exchange Gateway

SSL/FTP client setup
WsFTP version 7.61/8.03

WSFTP SETUP FOR THE DEG

This is the WSFTP PRO client setup to use with the State of Michigan Data Exchange Gateway DEG . This is configured to use SSL. If you don't use SSL and your user ID requires it, you won't be able to log in the system. Please use the IP address 136.181.135.38 and port 11250. Data Ports will be negotiated using Ports 11200 or 11201 or 11202.

WSFTP Pro Version

You will need at least 7.61 version (7.6 and a patch), which provides a stat command that's needed to keep the firewall control port opened during long file transfers using SSL.

The parameters **UPLOADSTATPERIOD=1200** and **DOWNLOADSTATPERIOD=1200** in the Site Profile sends out a stat command every 1200 seconds or 20 mins.

This setup document also provides pictures for the 8.03 version.

MAIN WSFTP SCREEN

Version 7.61

The screenshot displays the WSFTP Pro application window. The title bar reads "WS_FTP Pro". The menu bar includes "File", "Edit", "View", "Sites", "Options", "Tools", and "Help". The address bar shows "ftp://USER@167.240.254.36:11250/USER".

The interface is split into two main panels: "Local system" and "Remote system".

Local system (C:\):

Name	Size	Type	Modified	ChgDir
ACADIA		File Folder	6/14/2001 7:1	MkDir
CfgDLD		File Folder	10/10/2002 8:	
Documents and Settings		File Folder	5/3/2002 2:3E	
exchsrvr		File Folder	3/27/2002 2:4	
GLWIN		File Folder	12/13/2001 1:	View
Hexbandit		File Folder	10/16/2002 7:	Execute
IGLOOFTP		File Folder	3/8/2002 4:0E	Rename
INFCN32		File Folder	12/13/2001 1:	Delete
J6530		File Folder	6/14/2002 8:3	Refresh
main		File Folder	8/19/2002 11:	DirInfo
MIPCDEG		File Folder	9/19/2002 11:	
MWAY		File Folder	8/25/2002 9:2	
My Music		File Folder	9/5/2002 6:4E	
Novell		File Folder	6/14/2001 7:1	
oracle		File Folder	6/14/2001 7:3	
Palm		File Folder	8/1/2002 1:41	
Pb4mwy7i		File Folder	7/10/2002 12:	
Pb4xfp0a		File Folder	7/10/2002 12:	
Program Files		File Folder	10/30/2002 7:	
RECYCLED		Recycle Bin	1/8/2001 8:5E	
RECYCLER		File Folder	1/7/2002 6:2C	
System Volume Information		File Folder	1/7/2002 1:1E	
temp		File Folder	11/1/2002 7:3	

Summary: 315 object(s), 3,016,444KB

Remote system (\USER):

Name	Size	Type	Modifie	ChgDir
4780.021016.1434.9602	4KB	Binary file	10/16/	MkDir
4780.021017.1455.9603	4KB	Binary file	10/17/	
4780.021018.1436.9604	4KB	Binary file	10/18/	
4780.021021.1445.9605	4KB	Binary file	10/21/	View
RICH.021105.1241.8385	1KB	Binary file	11/5/2	Execute

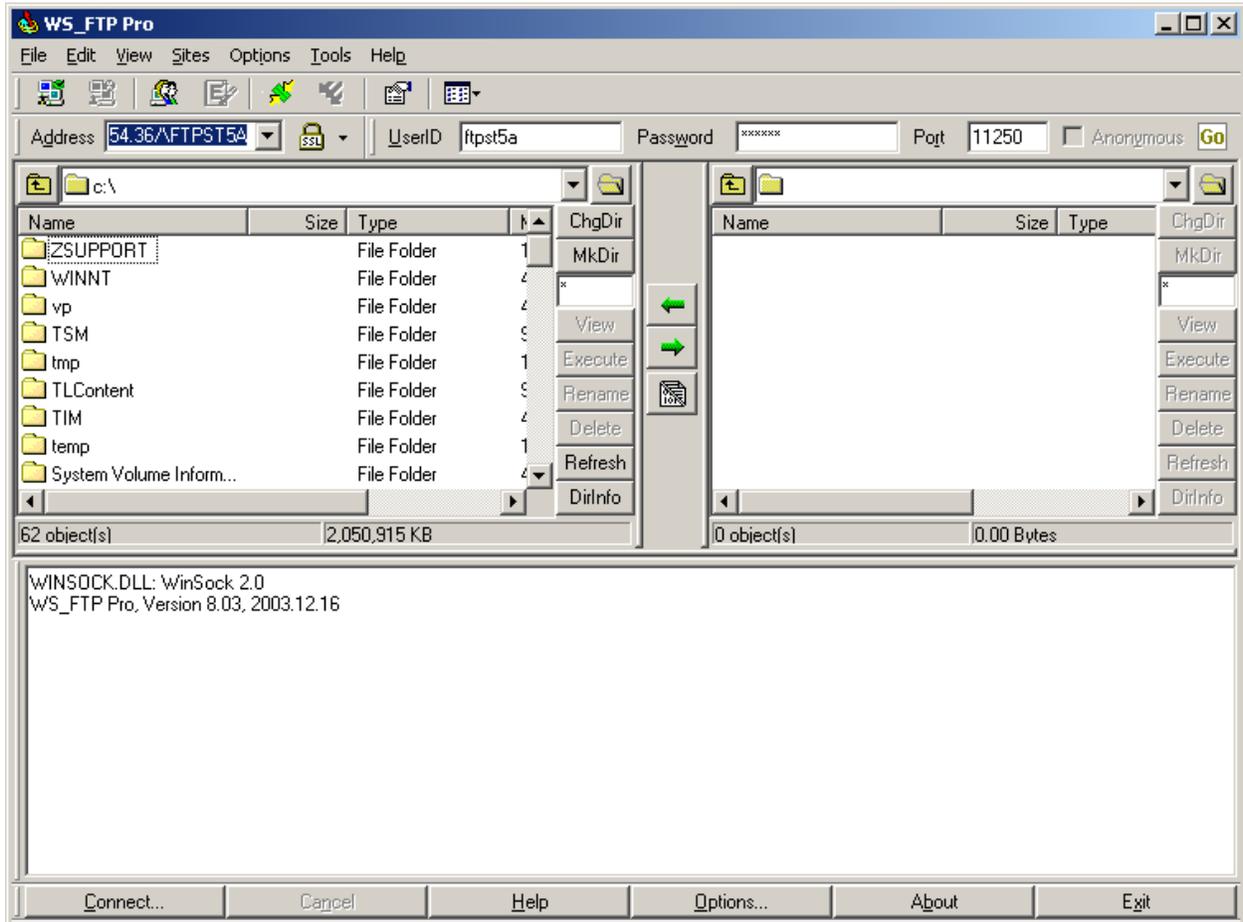
Summary: 5 object(s), 16KB

Log Window:

```
TYPE A
200 TYPE: command successful.
PORT 67,217,161,19,9,37
200 PORT: command successful.
LIST
150 Opening data connection.
transferred 400 bytes in < 0.001 seconds, 3125.000 Kbps ( 390.625 KBps), transfer succeeded.
```

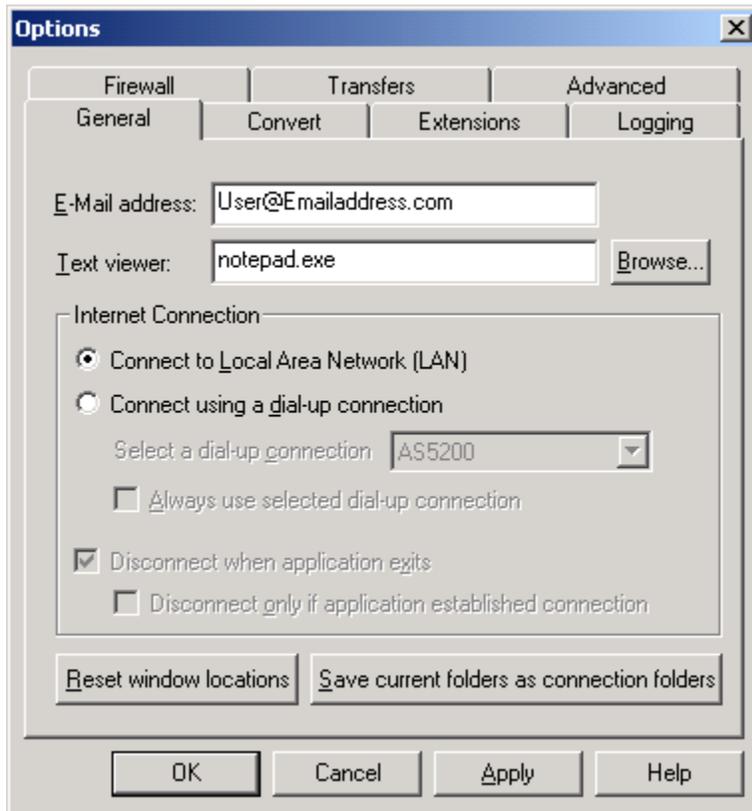
Buttons: Disconnect, Cancel, Help, Options..., About, Exit

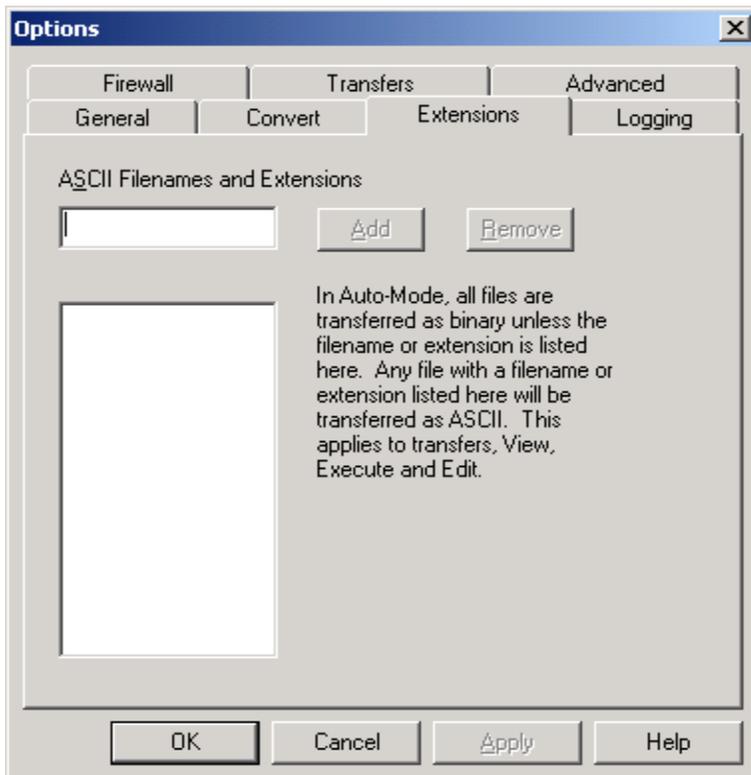
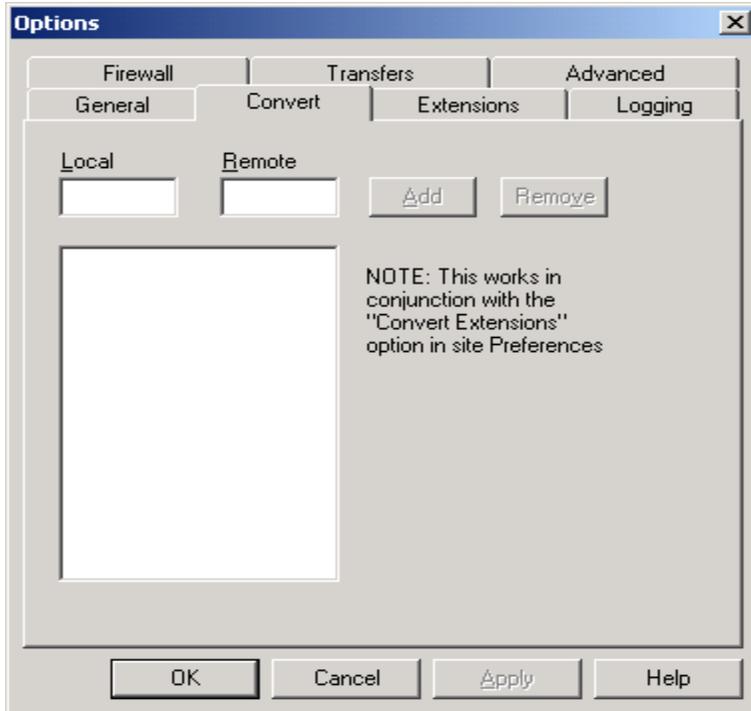
Version 8.03

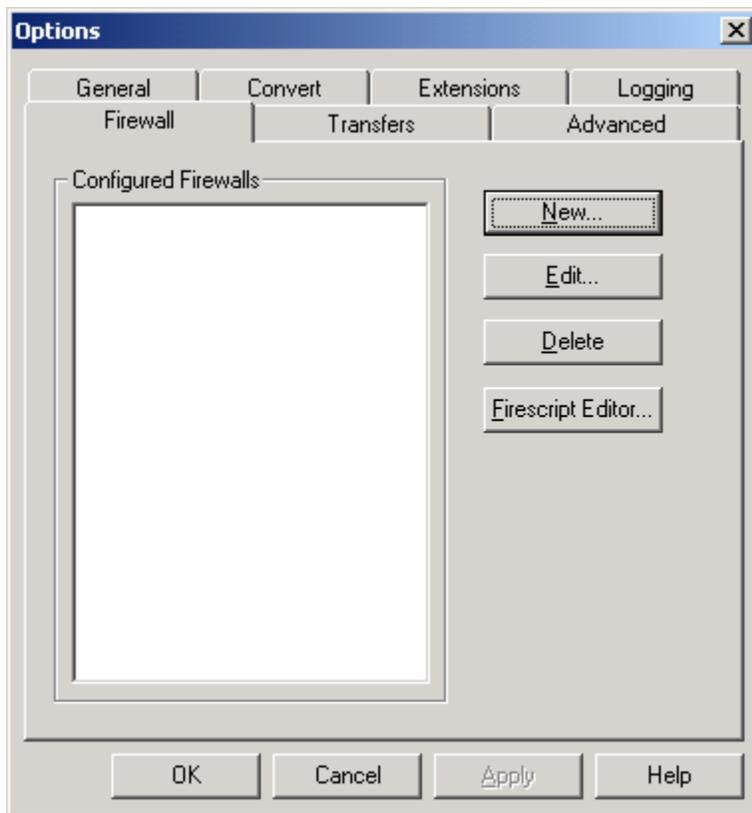
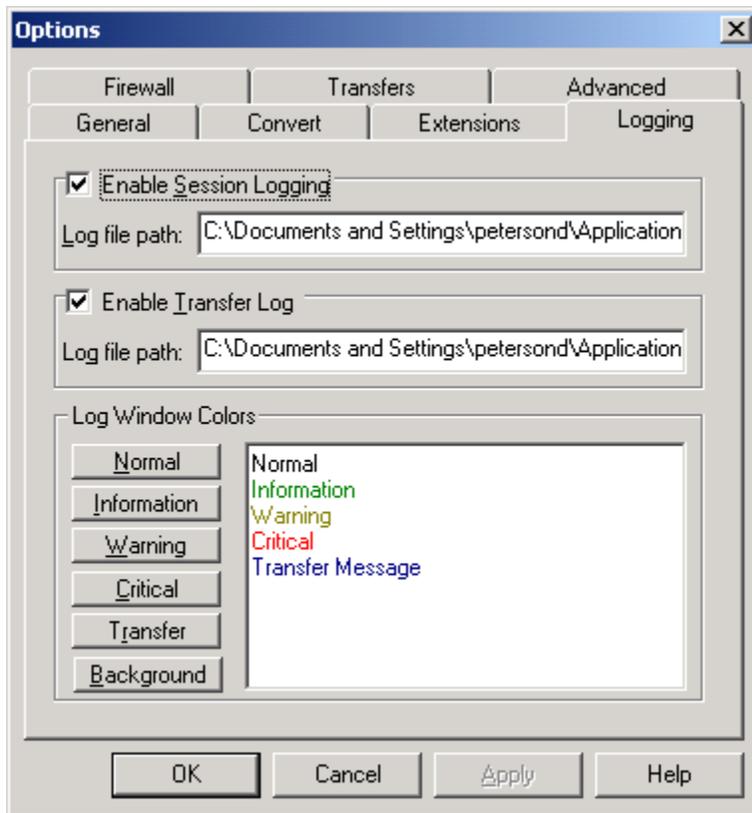


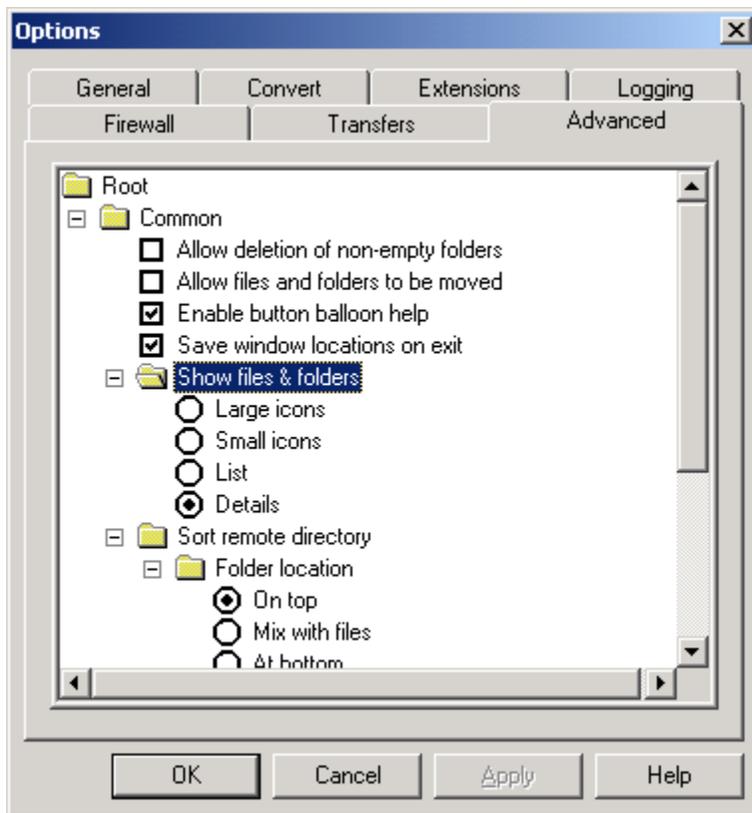
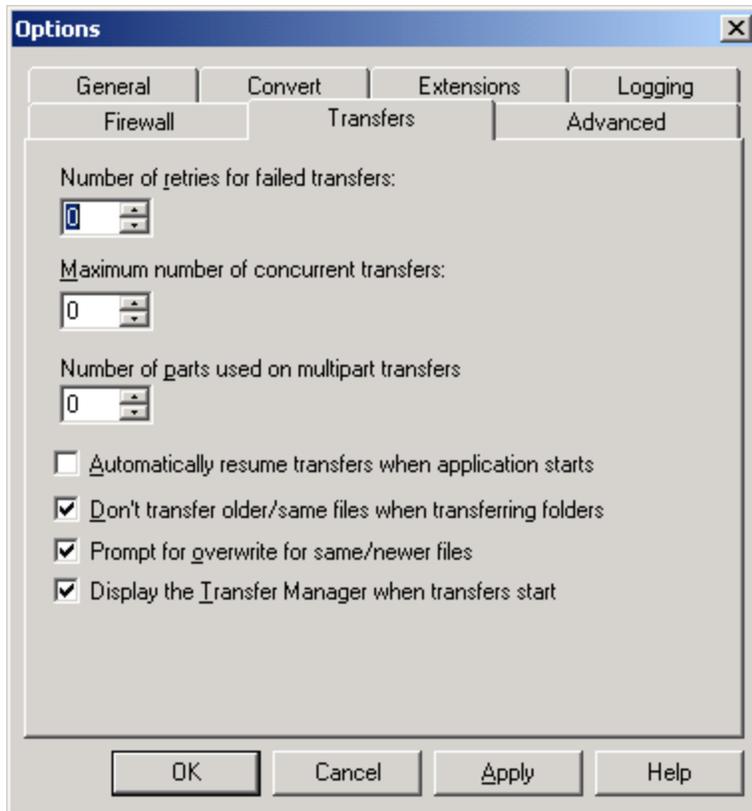
Options Menu > Program Options

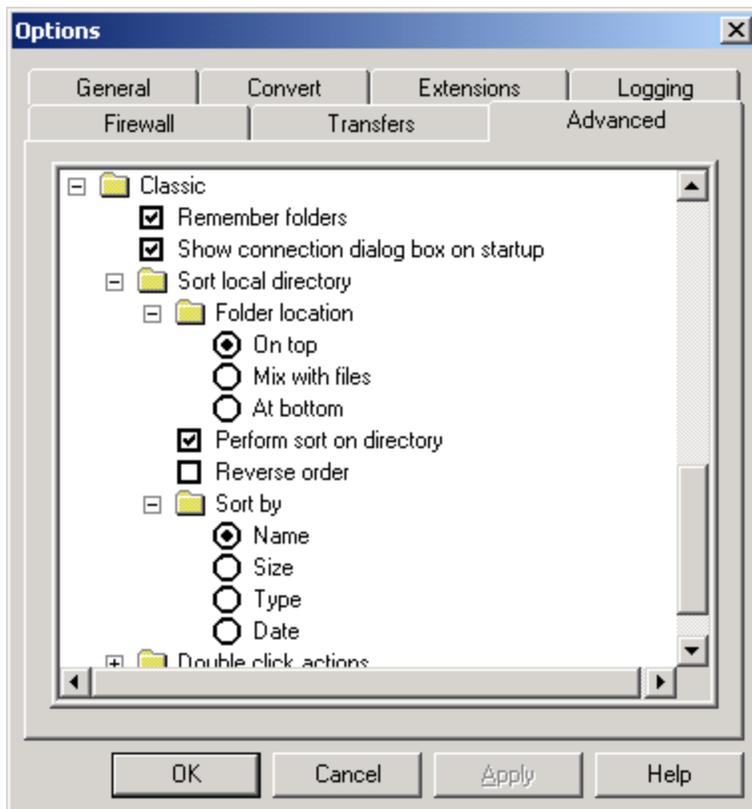
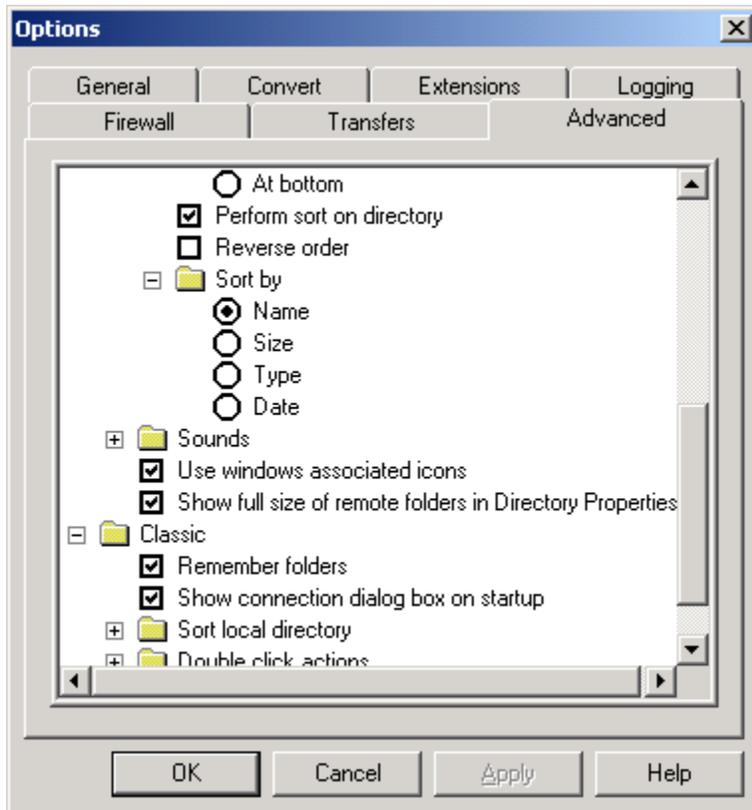
Version 7.61

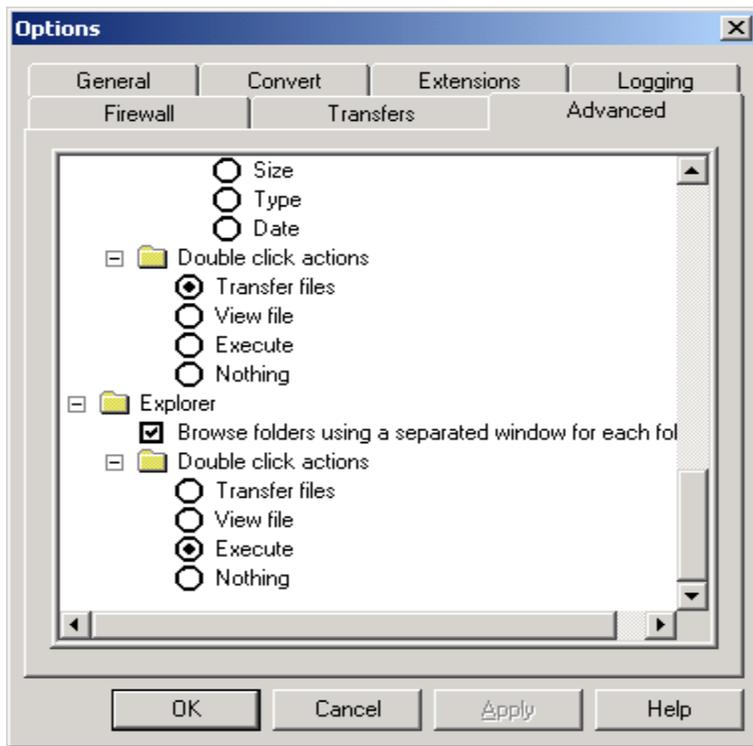






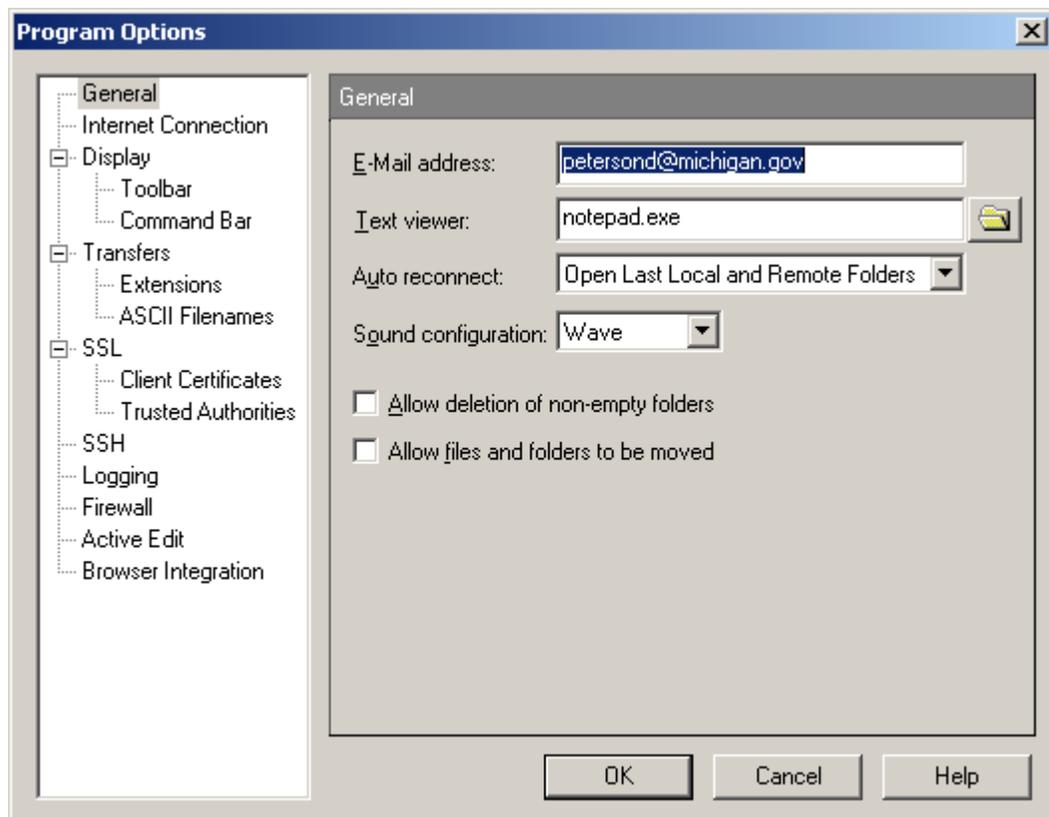


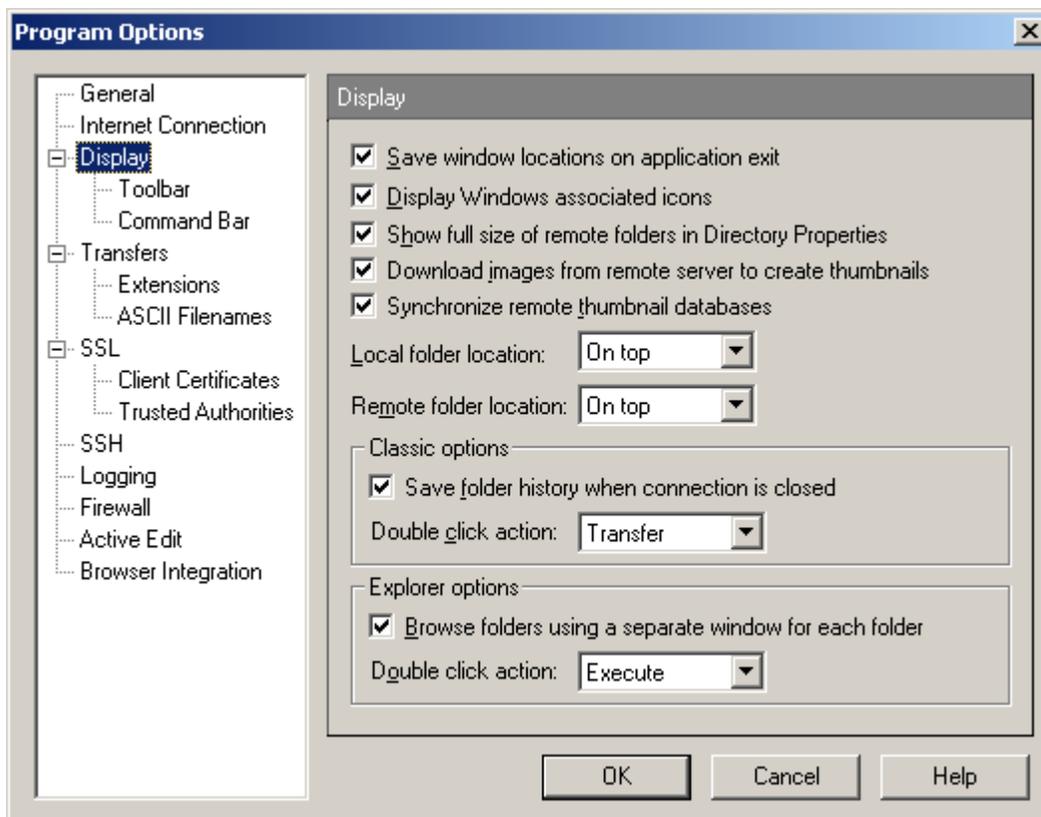
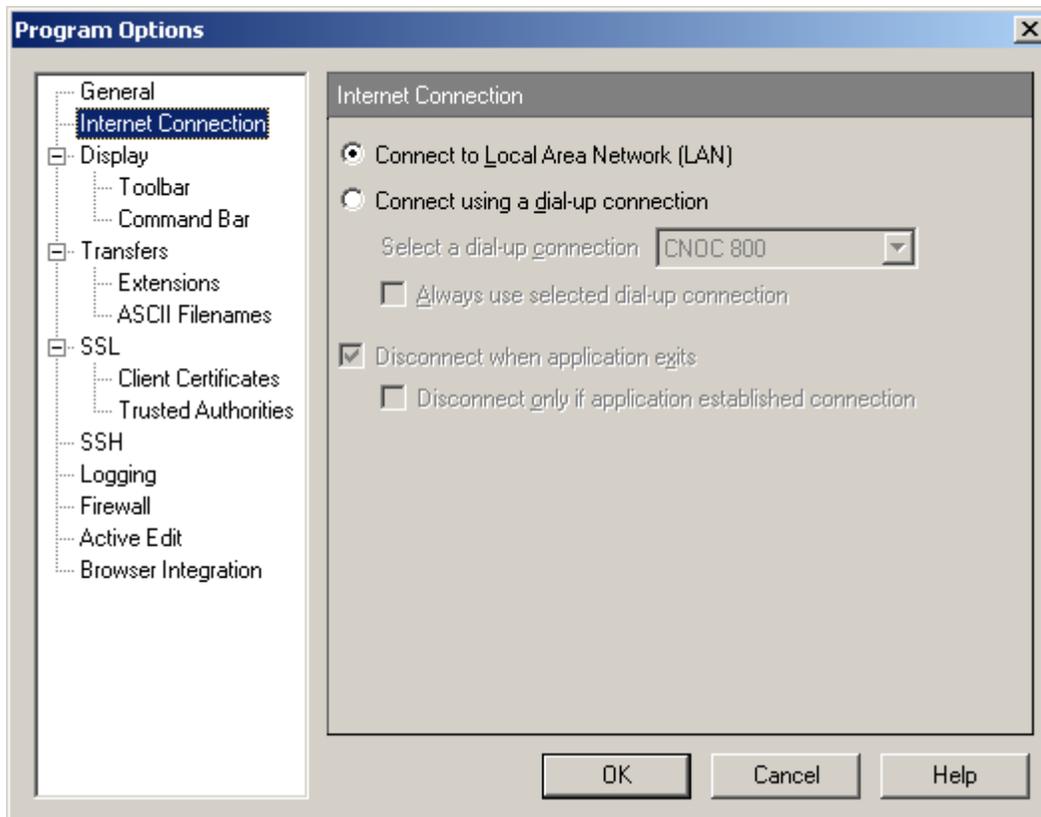


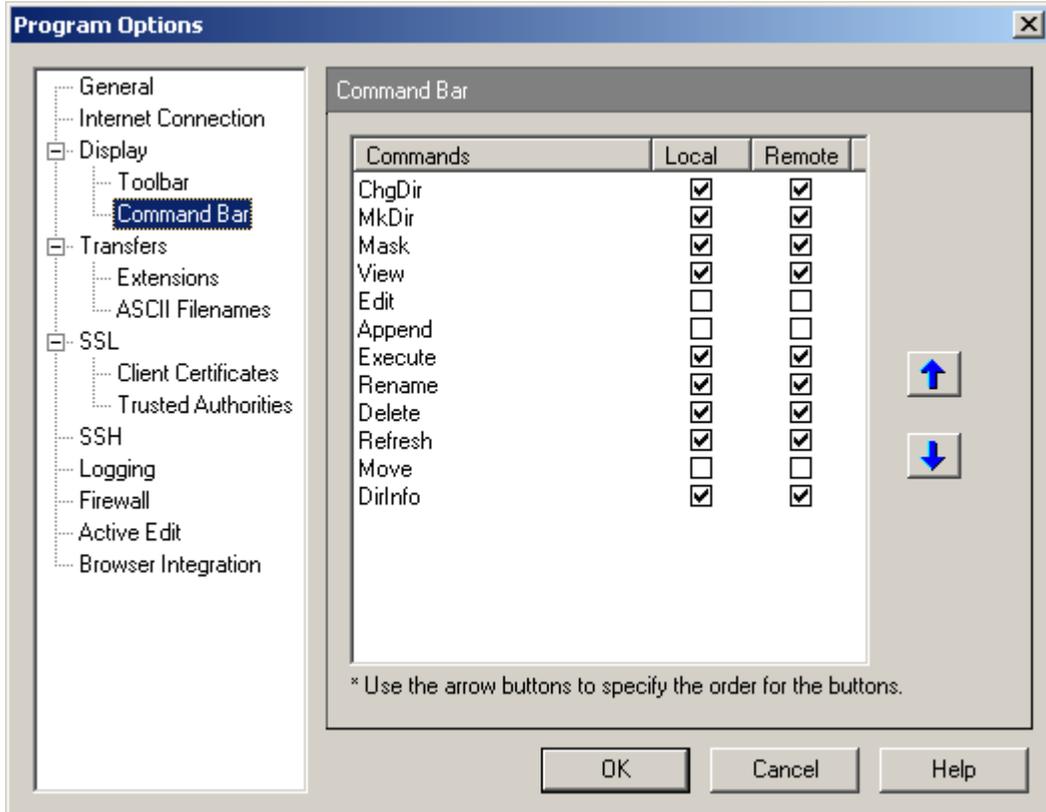
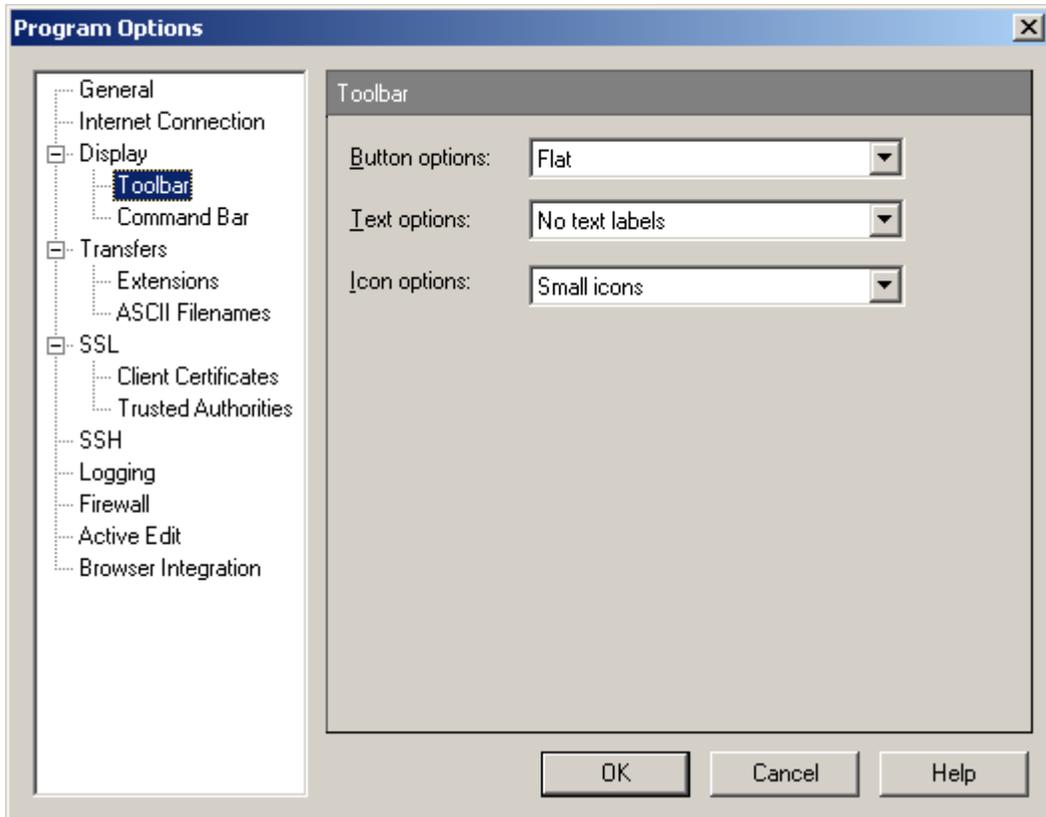


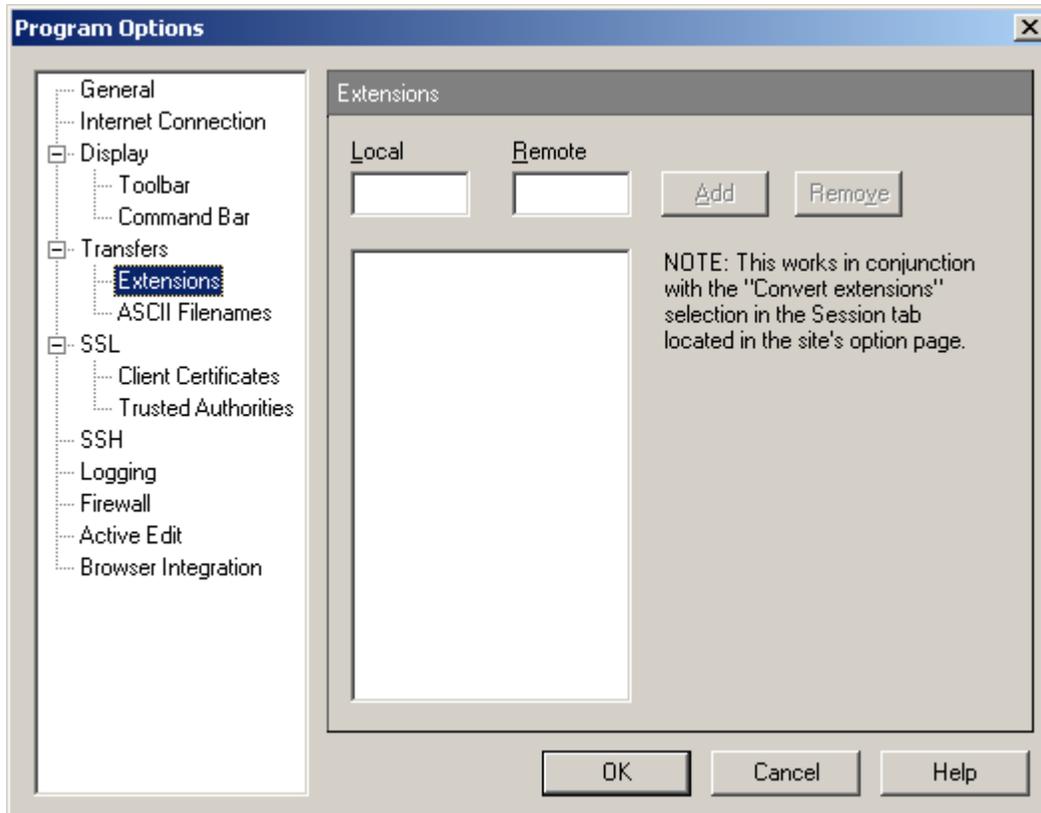
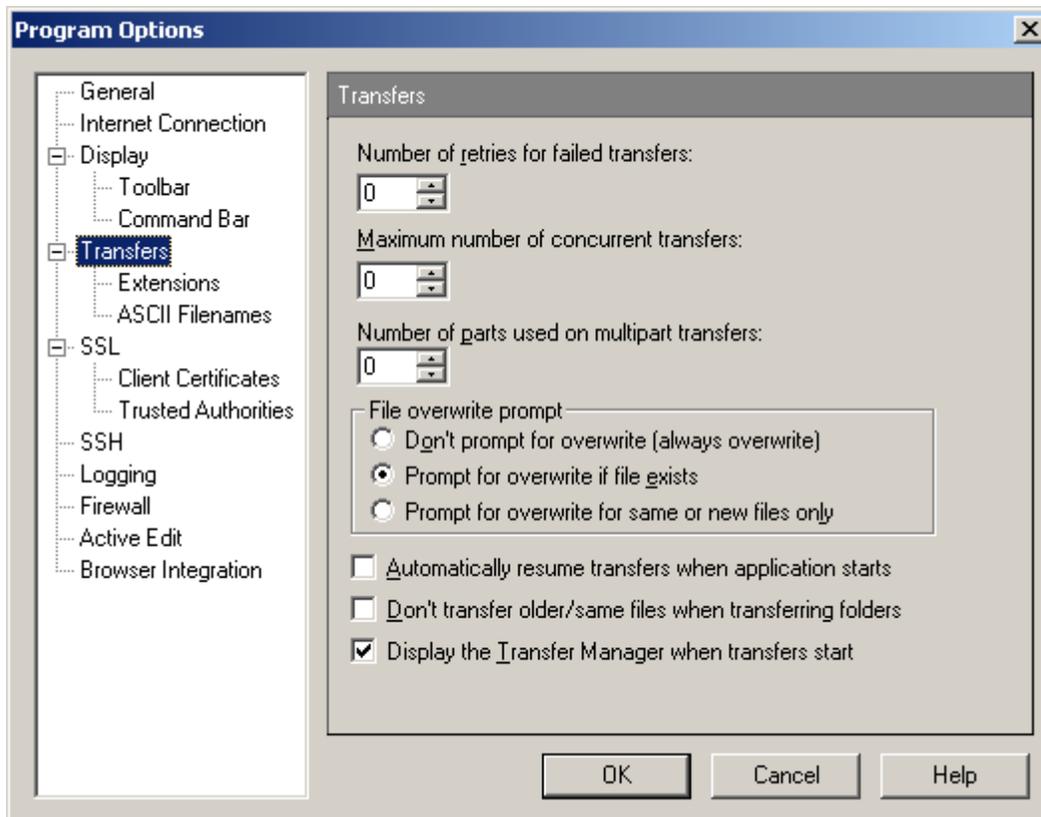
Options Menu > Program Options

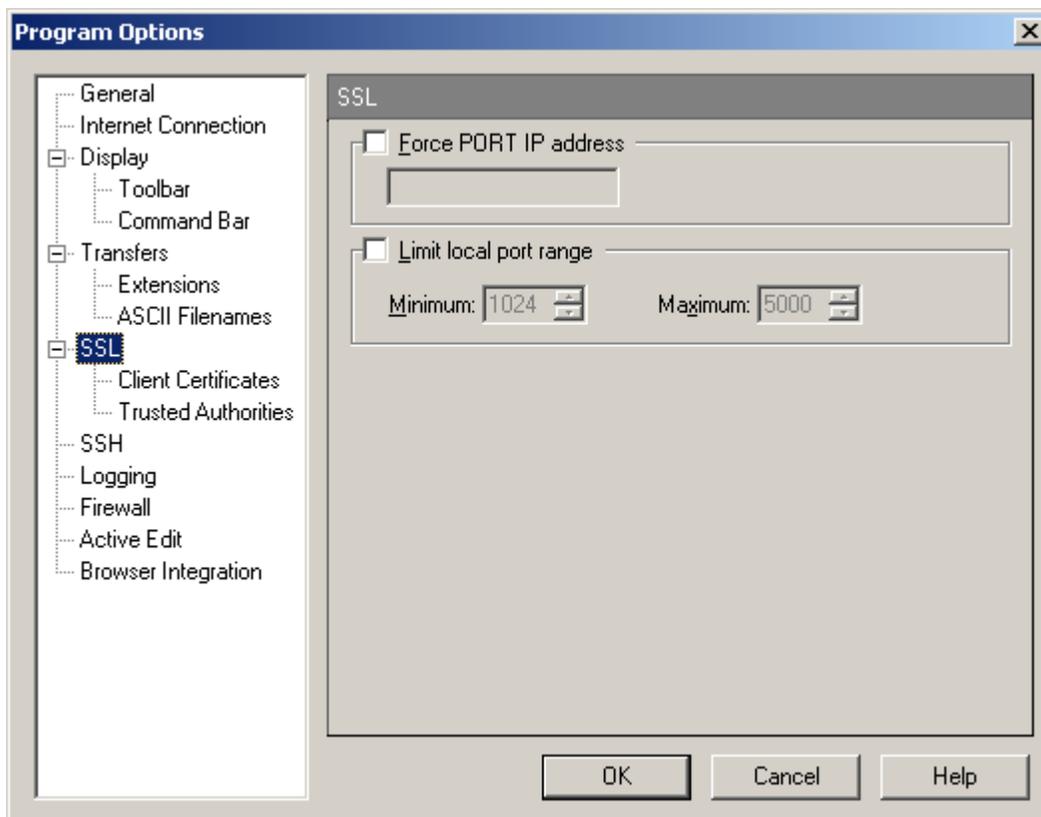
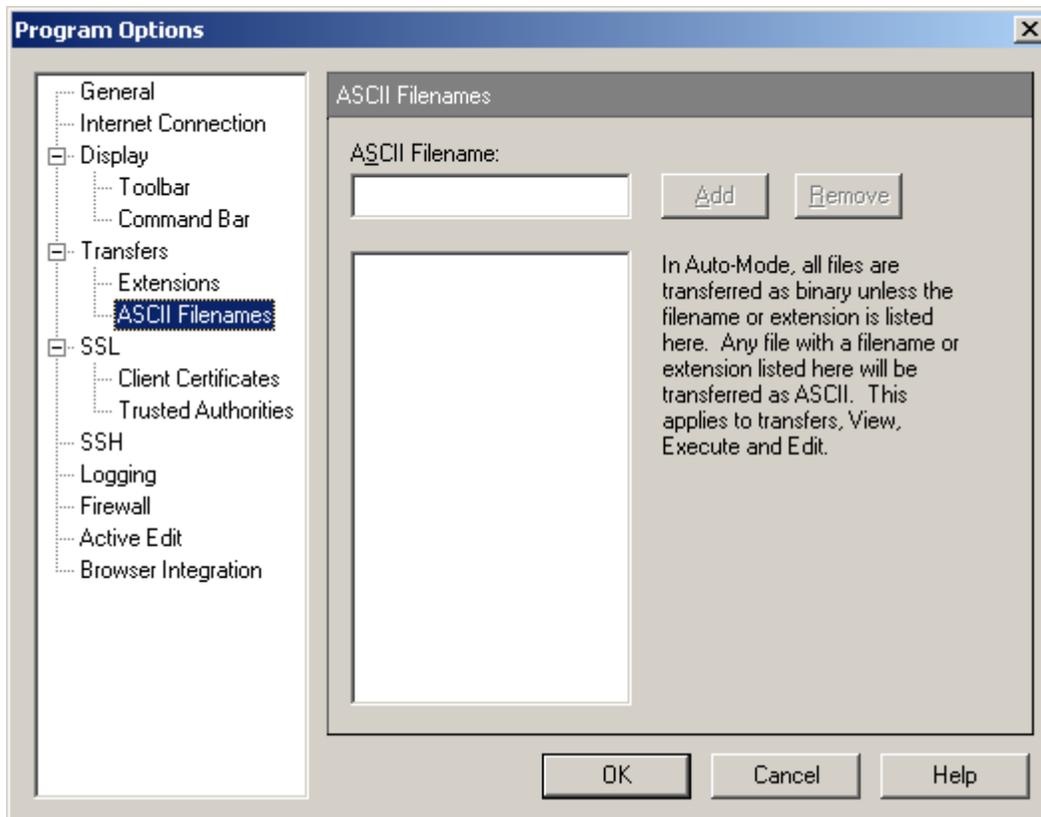
Version 8.03

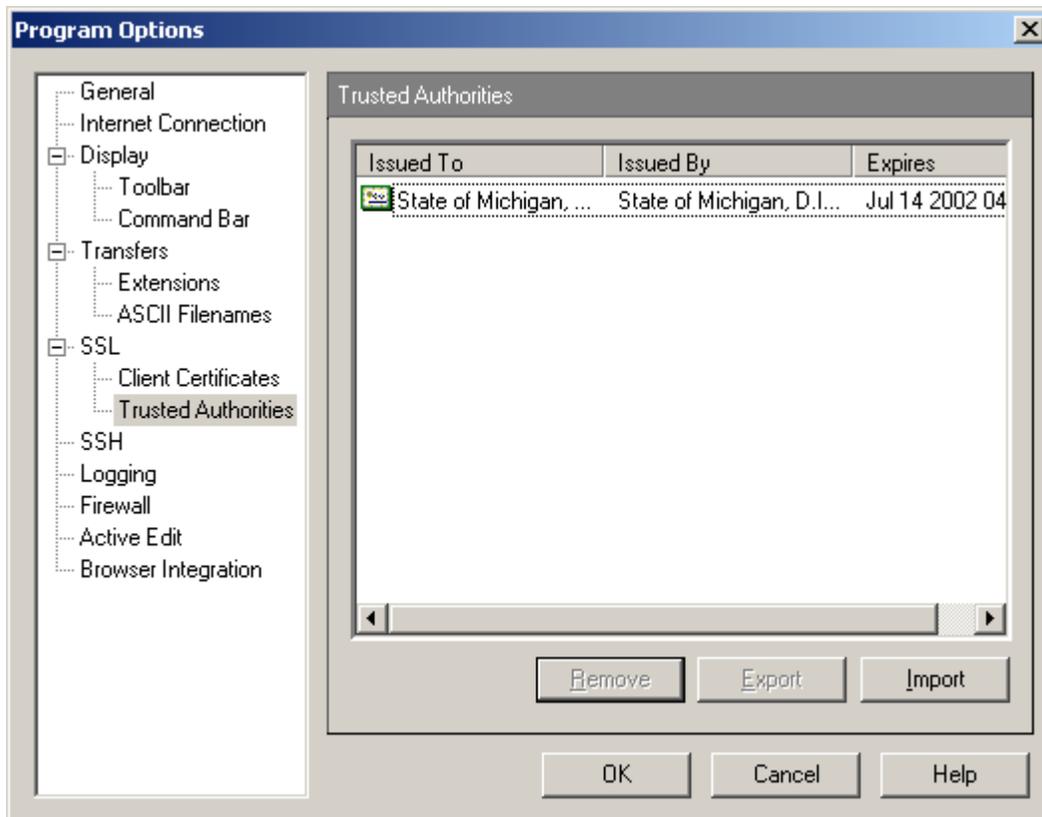
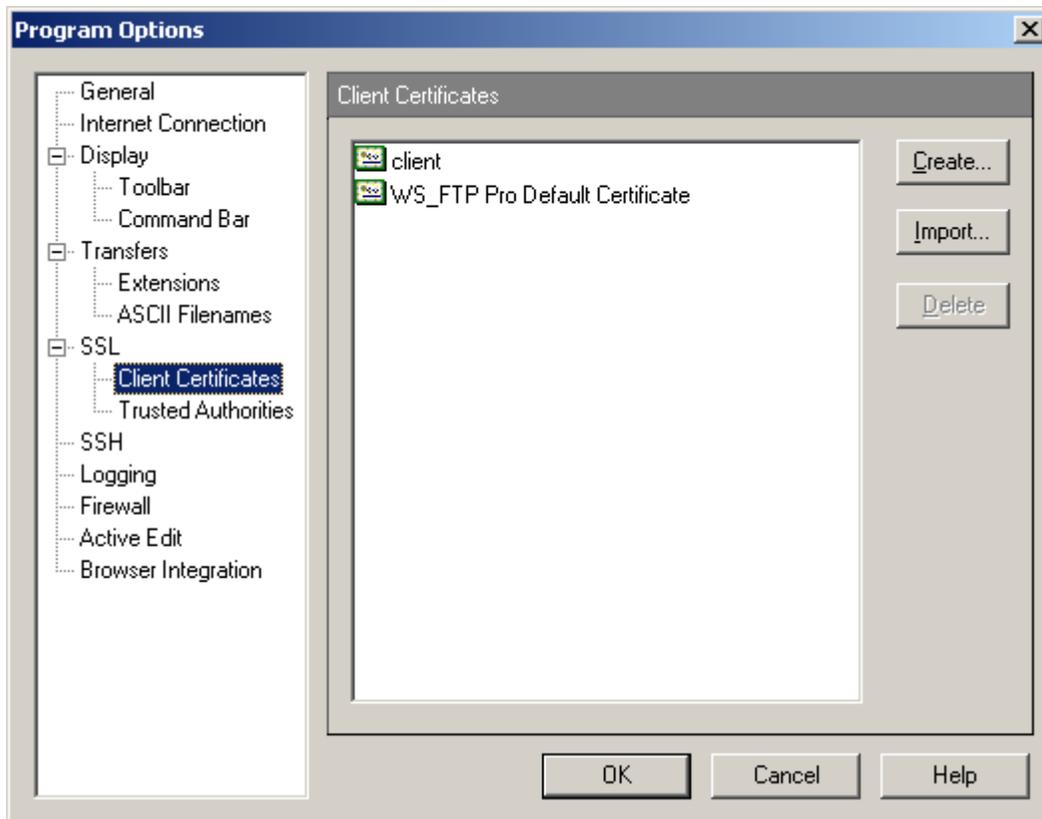


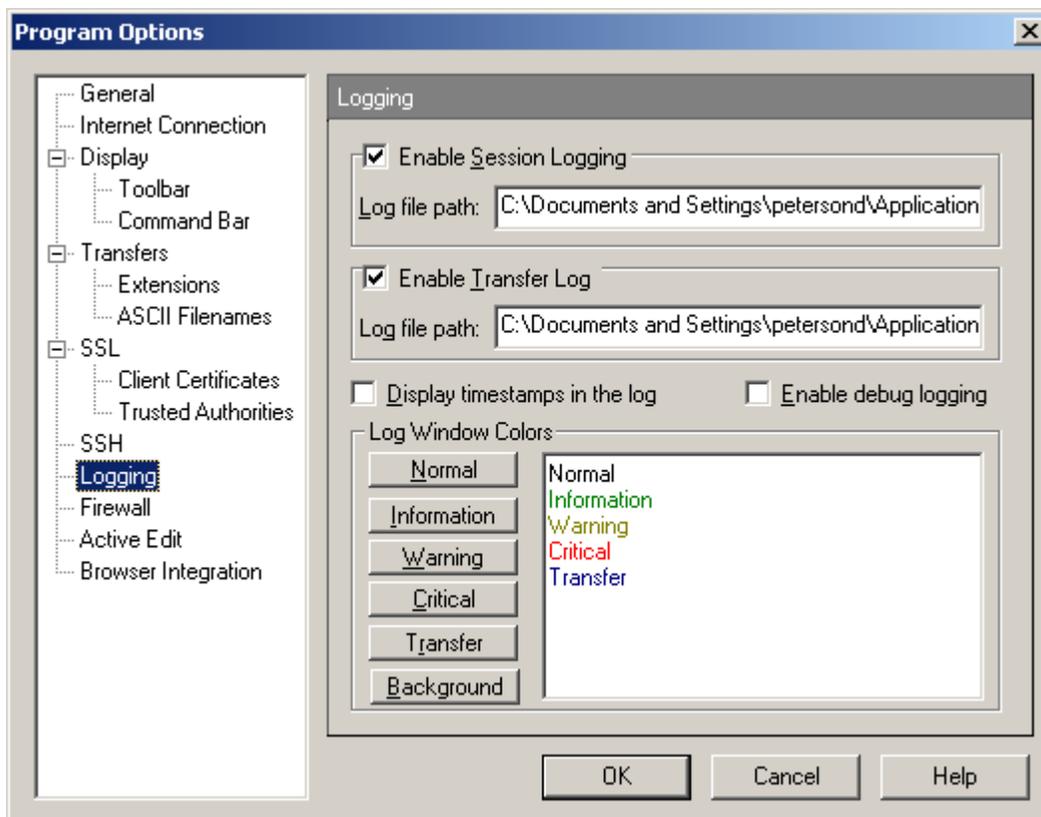
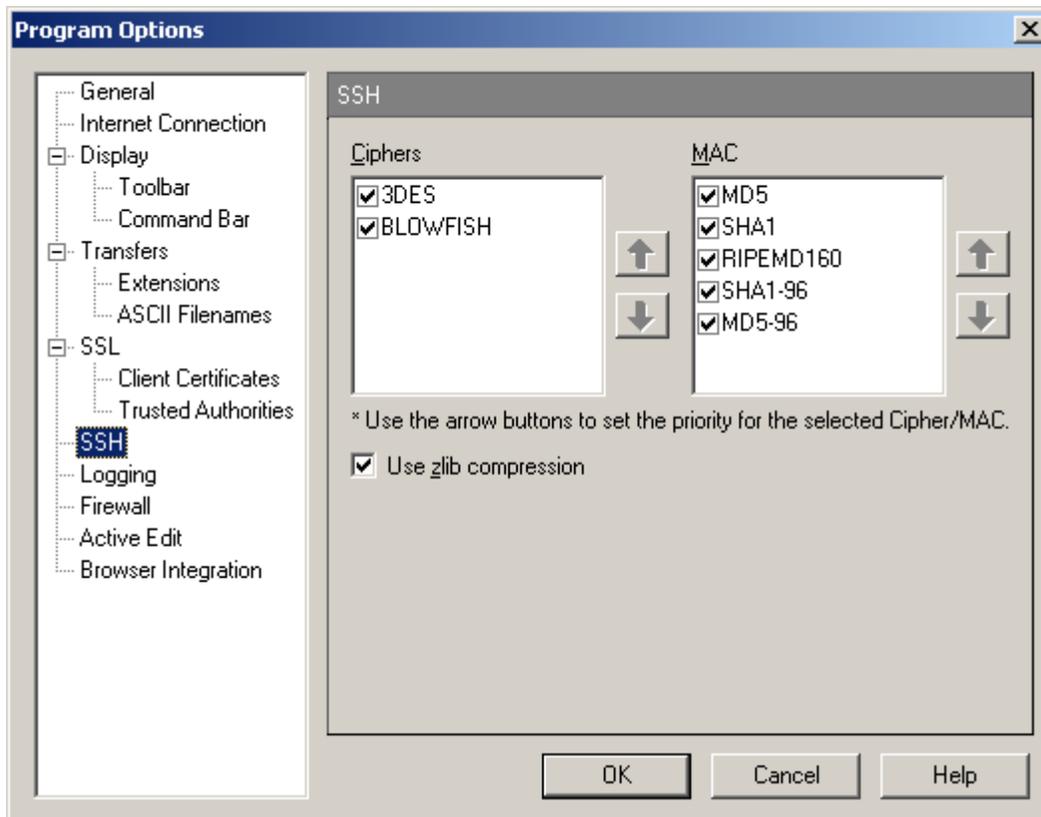


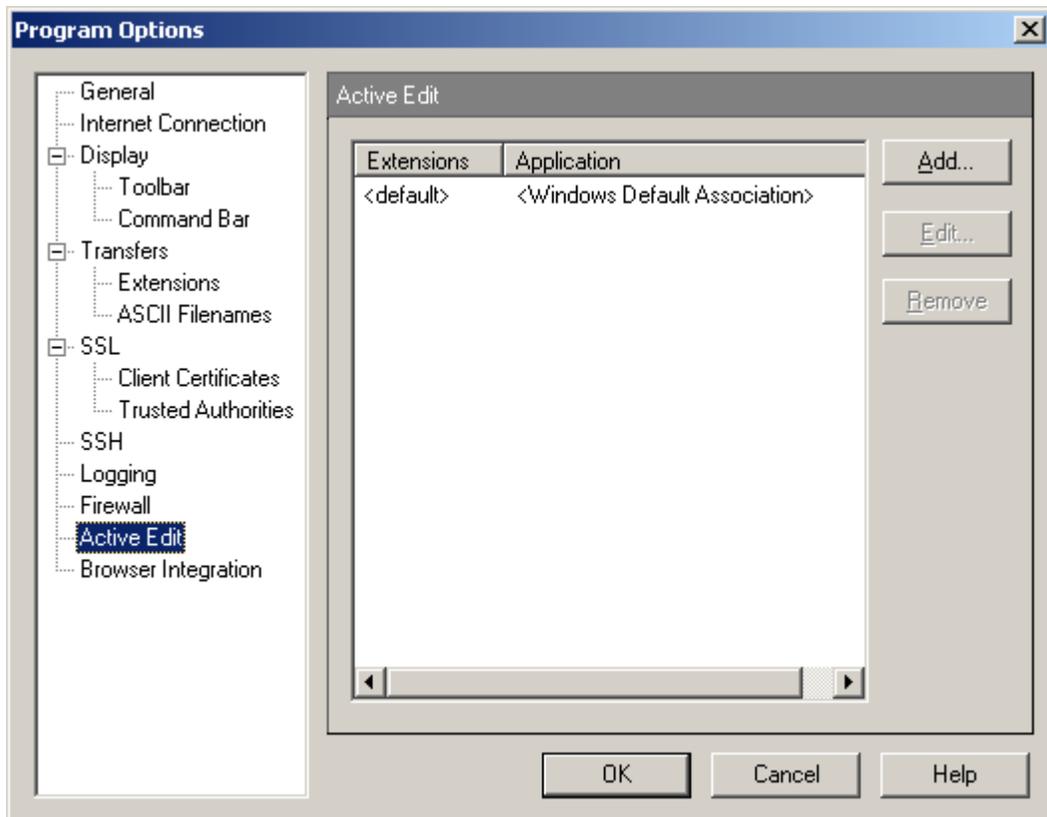
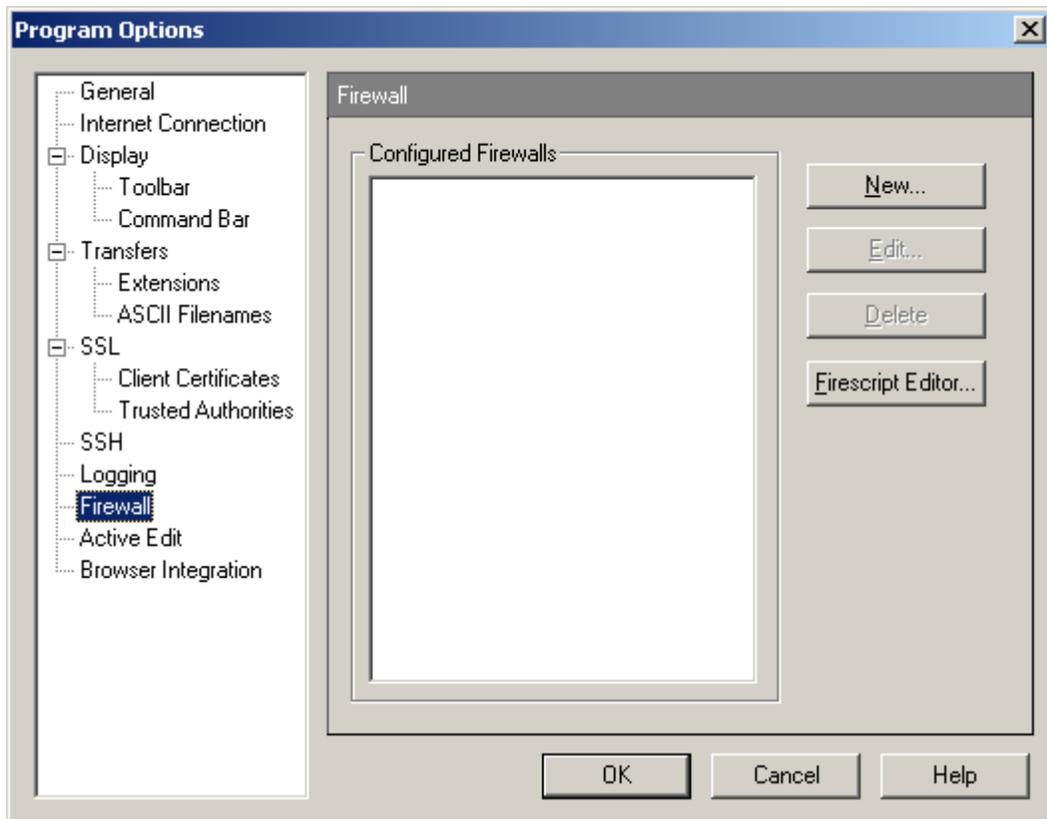


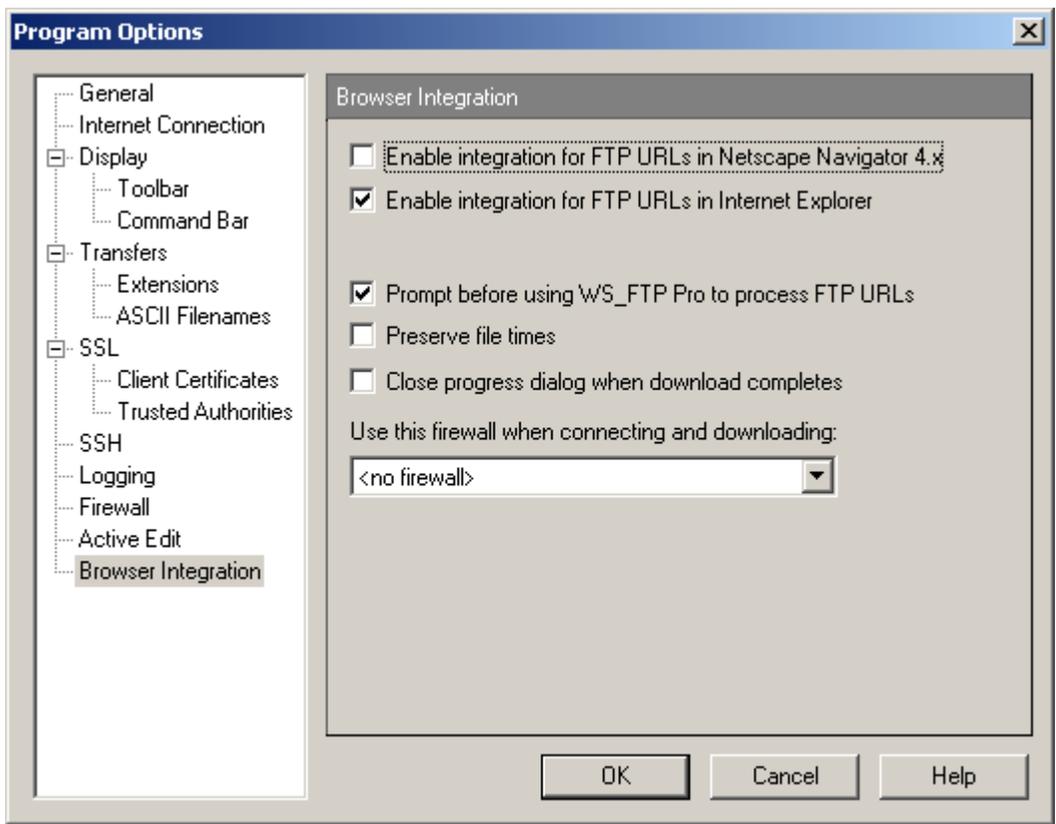






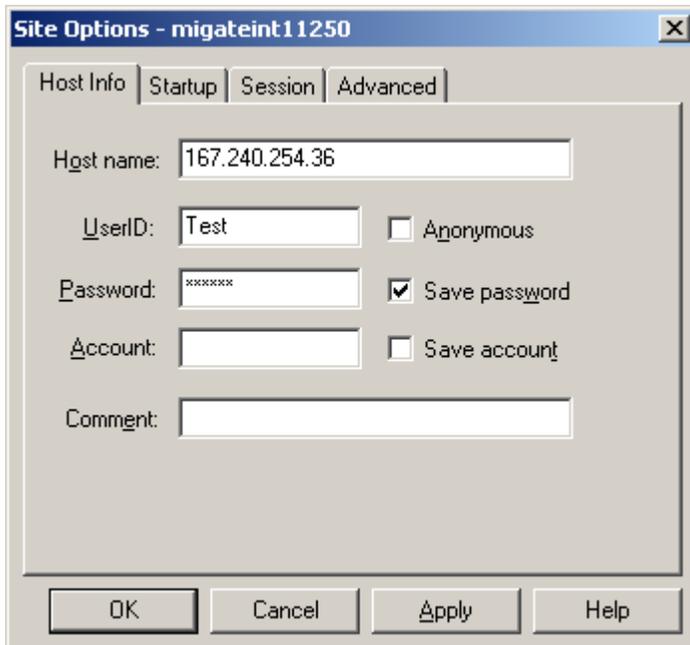
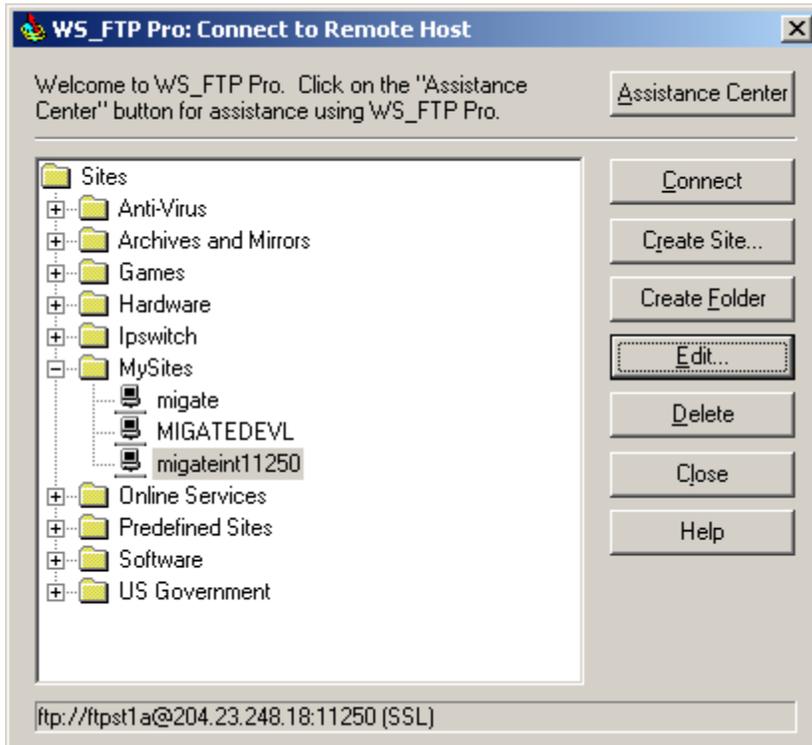






EXAMPLE OF SITE SETUP

Version 7.61



Site Options - migatinternet2100 [X]

Host Info | **Startup** | Session | Advanced

Local folder:

Remote site folder:

Initialize command: (use ';' to separate multiple commands)

Local file mask:

Remote file mask:

Time offset in hours:

Startup transfer mode:
 ASCII
 Binary
 Auto detect

OK Cancel Apply Help

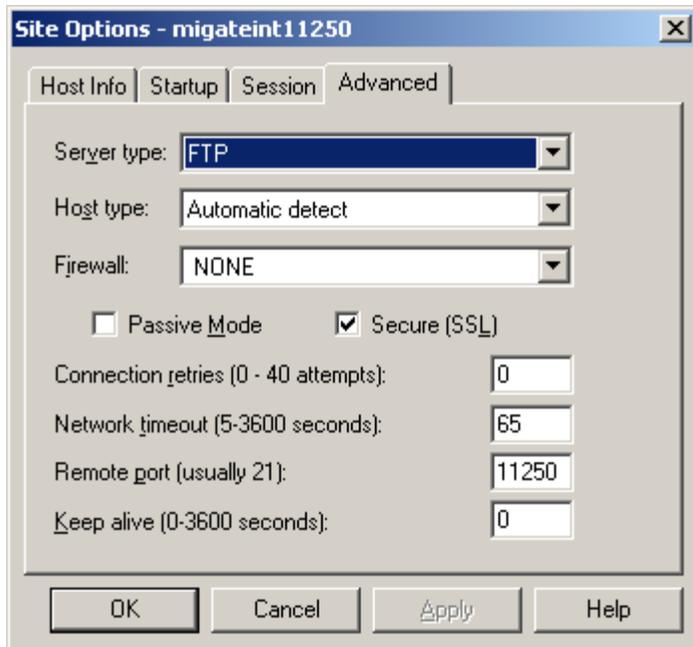
Site Options - migatinternet11250 [X]

Host Info | Startup | **Session** | Advanced

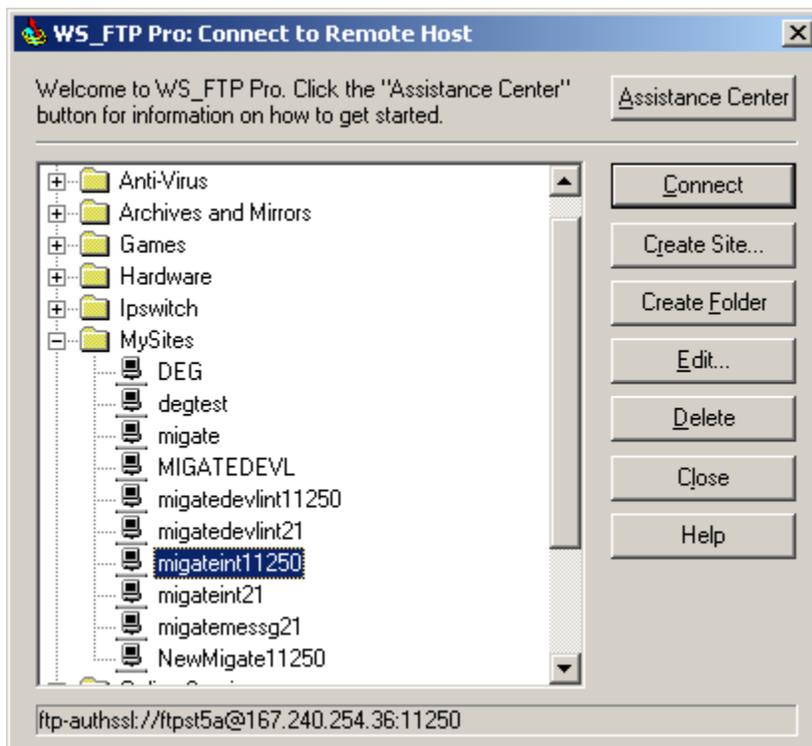
Prompt for destination file names
 Force lowercase remote names
 Convert extensions
 Receive unique
 Send unique
 Update folders after transfer
 Disable directory caching
 Verify deletions
 Preserve filetime on remote

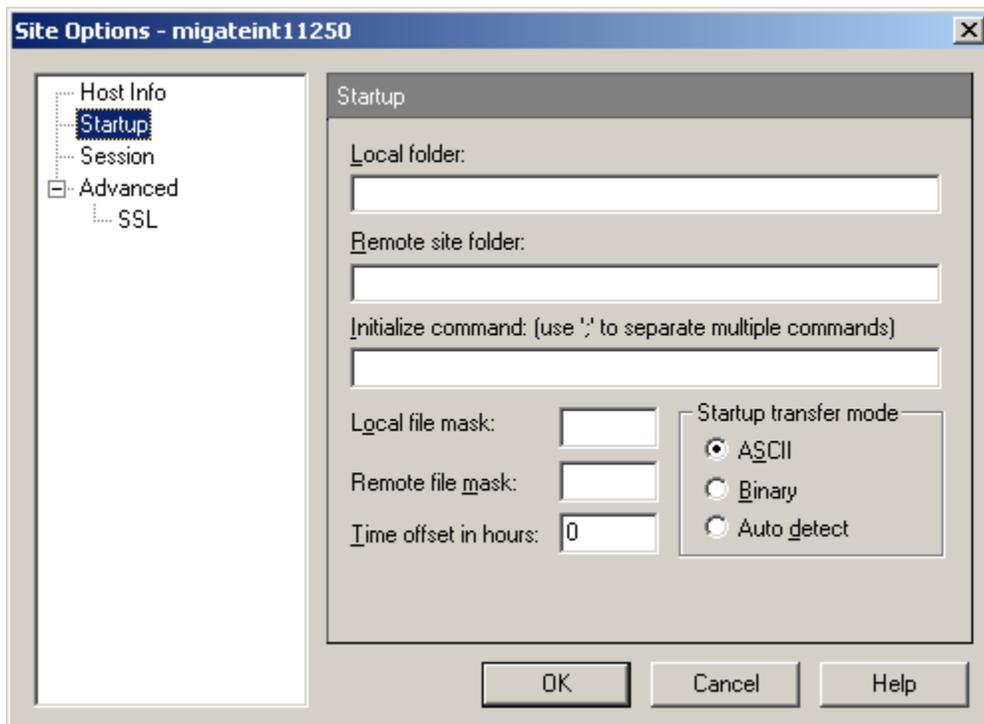
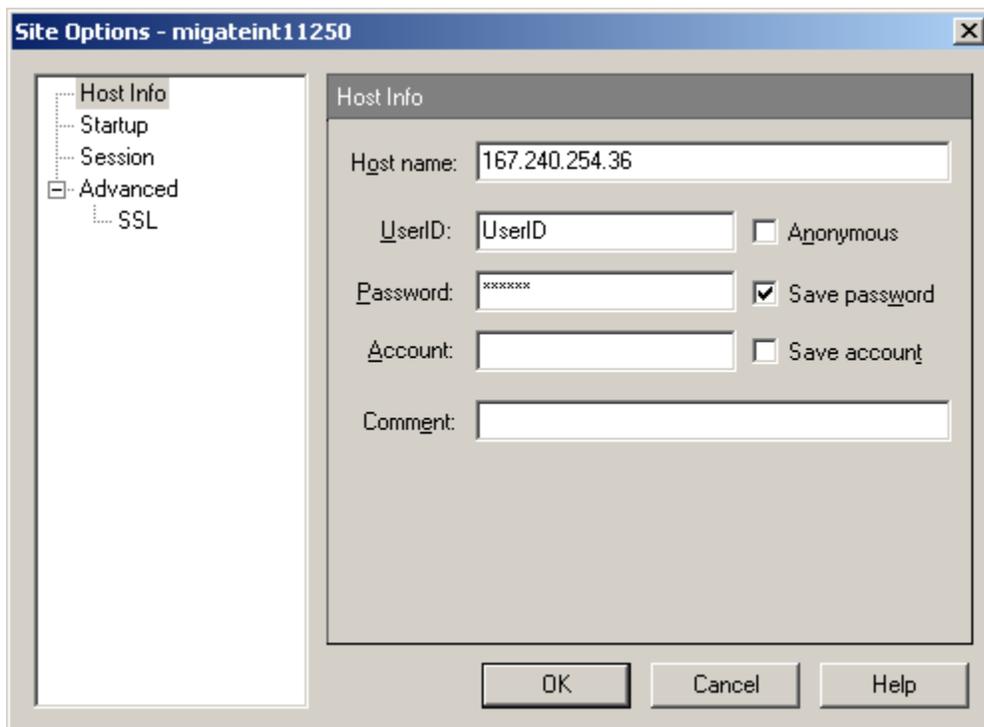
Maximum number of transfer connections: [up/down arrows]

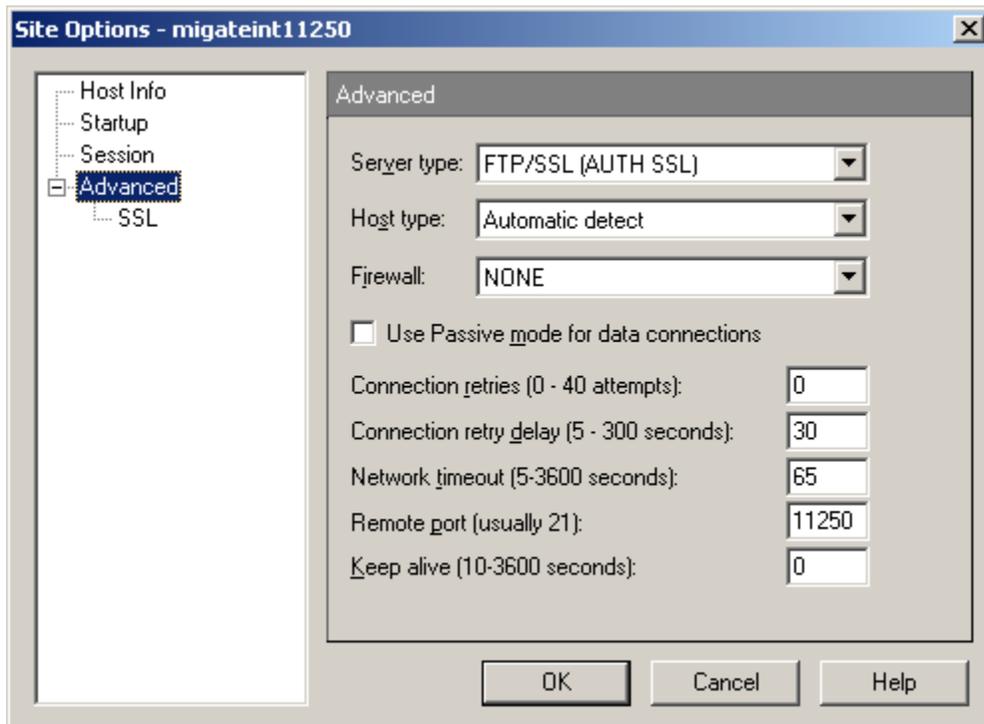
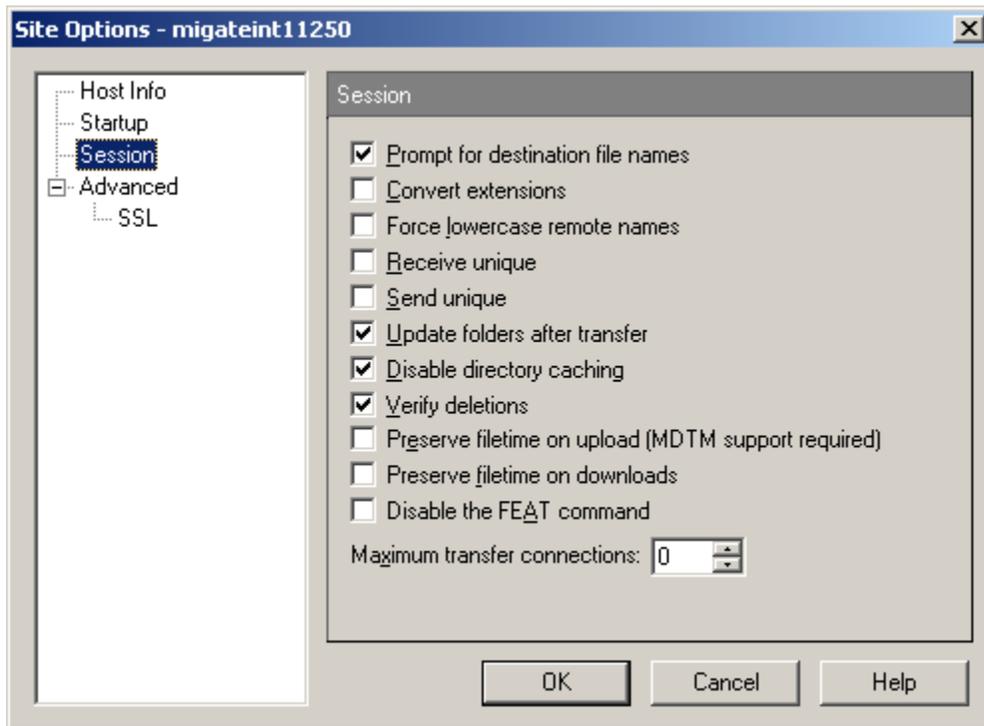
OK Cancel Apply Help

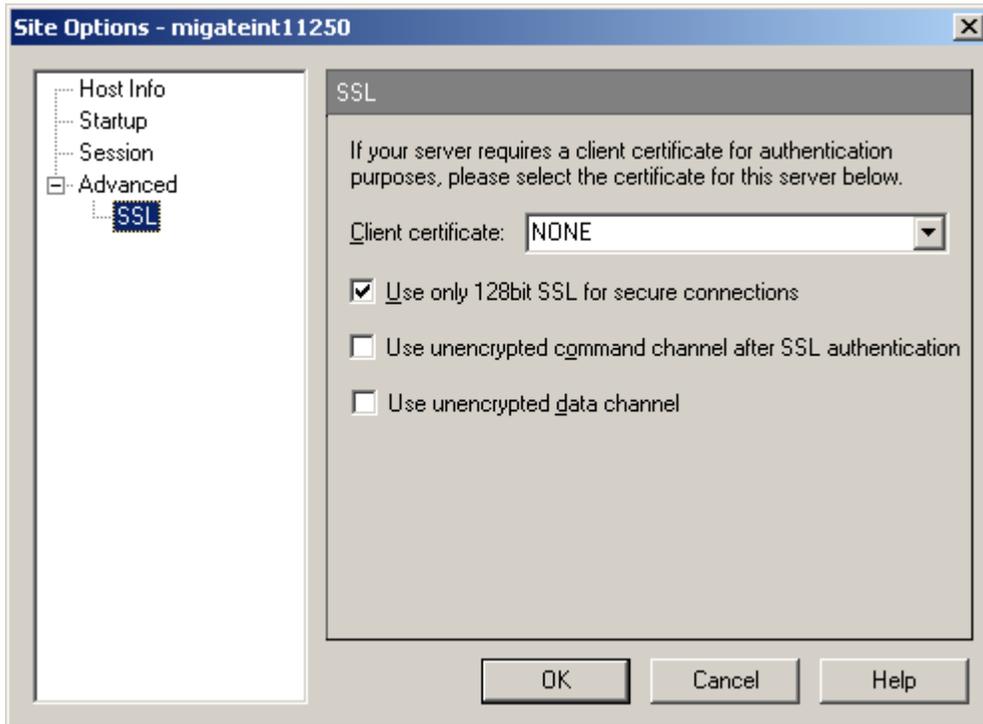


Version 8.03

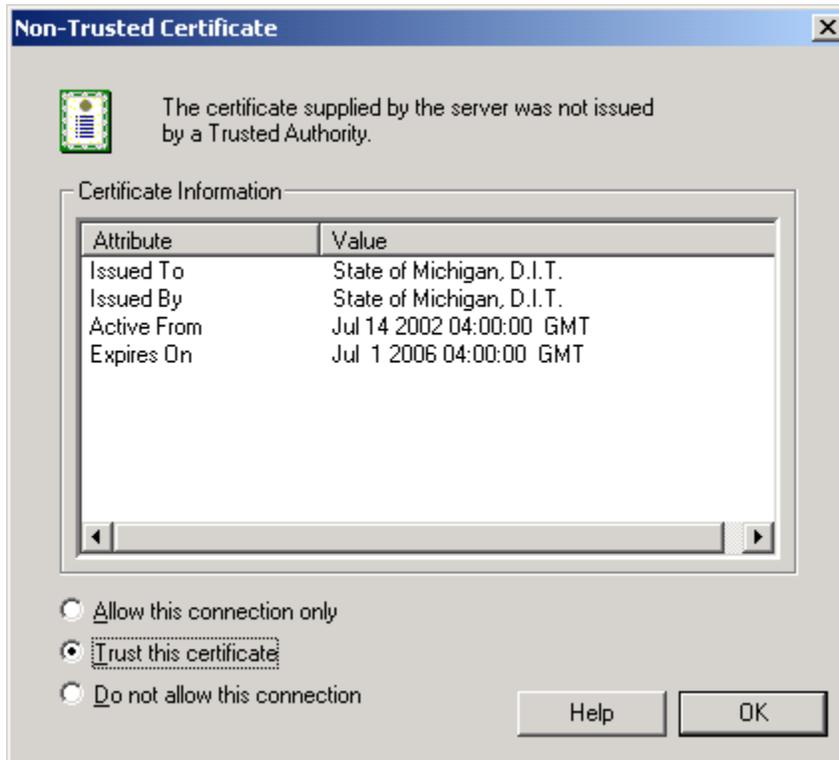








CERTIFICATE SCREEN



**ENTRY IN SITE PROFILE ---
IPSWITCHWS_FTP\SITES\ORIGINAL.INI FILE**

On Windows 95/98/ME:

c:\windows\application data\ipswitch\ws_ftp\sites

On Windows NT:

c:\winnt\profiles\username\application data\ipswitch\ws_ftp\sites

On Windows 2000 and Windows XP:

c:\documents and settings\username\application data\ipswitch\Ws_ftp\Sites

**TO ADD UPLOADSTATPERIOD AND DOWNLOADSTATPERIOD
AND TURNOFF AUTORECONNECT = (0) and RETRIES = (0)**

Version 7.61

[migateint11250]
HOST=136.181.135.38
UID=ftpst2a
PWD=V312EAB88A4D8D8E09DB153D8A70DE0B06564663A3739
TIMEOFFSET=0
RETRIES=0
RETRYDELAY=0
KEEPALIVE=0
PREASKPASS=0
NOCACHEAUTH=0
NOCACHEDIRS=1
UPLOADSTATPERIOD=1200
DOWNLOADSTATPERIOD=1200
AUTORECONNECT=0
PRESERVETIME=0
TRANSFERCONN=0
PASVMODE=0
SECURE=1
AMODE=0
CONVEXT=0
DOUPDATE=1
FORCLOW=0
PROMPT=1
STOU=0
RECU=0
MODE=65
RETAIN=0
VRFYDEL=1
PORT=11250
ldir0=C:\Program Files\WS_FTP Pro
dir0=FTPST1A
dir1=FTPST2A
ldir1=C:\Program Files
ldir2=C:\
ldir3=C:\Data
dir2=FTPST2A

NOTE:

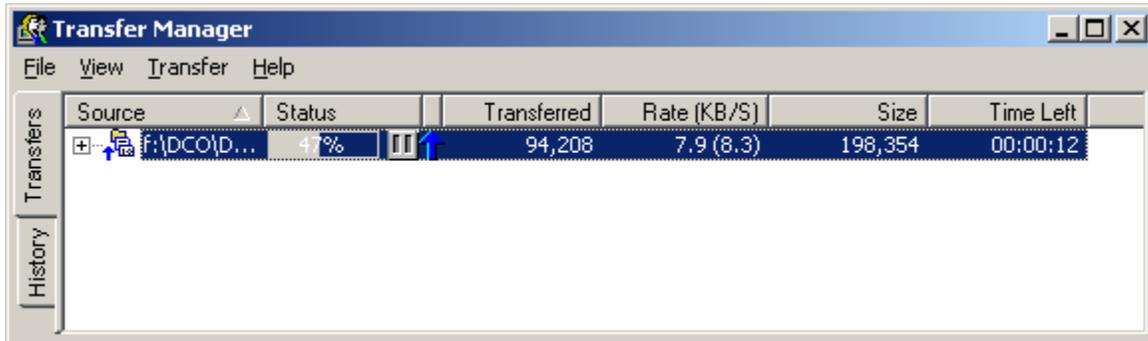
IF YOU HAVE AUTOCONNECT ON AND IT RETRIES, WSFTP WILL AUTOMATICALLY CHANGE TO PASSIVE MODE.

Version 8.03

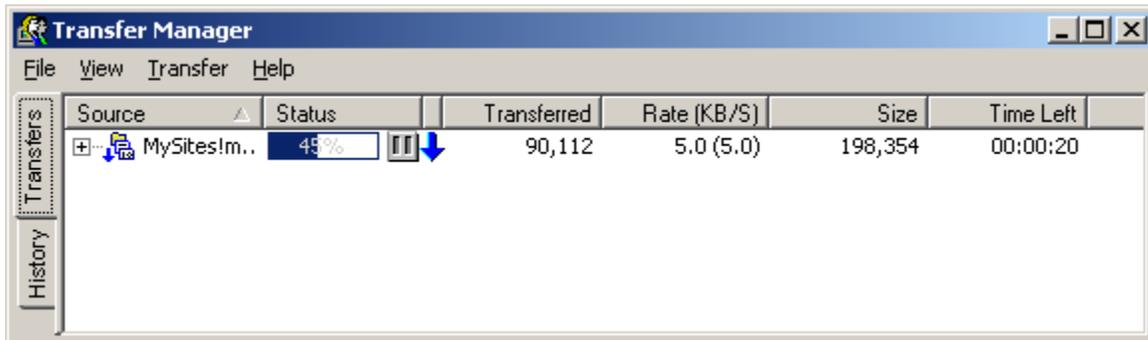
```
[migateint11250]
HOST="136.181.135.38"
UID="userid"
RETRIES=0
NOCACHEDIRS=1
UPLOADSTATPERIOD=30
DOWNLOADSTATPERIOD=30
AUTORECONNECT=0
PASVMODE=0
AMODE=0
PROMPT=1
MODE=65
RETAIN=0
ldir0=c:\Data
CONNTYPE=5
Use128bitSSLOnly=1
ldir5=C:\Program Files
1033ConvertDirListFrom=0
1033ConvertASCIIDownloadFrom=0
1033ConvertASCIIUploadTo=0
ClearCommandChannel=0
ClearDataChannel=0
filename="NONE"
PORT=11250
PWD=_TIIS9gYseuU=
TIMEOFFSET=0
aborseq=0
CommandTimeout=60
AborTimeout=10
RETRYDELAY=30
KEEPALIVE=0
PREASKPASS=0
NOCACHEAUTH=0
PRESERVETIMEUP=0
PRESERVETIMEDOWN=0
nofeat=0
TRANSFERCONN=0
CONVEXT=0
DOUPDATE=1
FORCLOW=0
STOU=0
RECU=0
VERFYDEL=1
```

TRANSFER MANAGER

Uploading Example



Downloading Example



EXAMPLE OF GOOD TRANSFER LOG

Version 7.61

```
[-1,7/16/2002 8:23:09 AM,5]Starting request
[0,7/16/2002 8:23:09 AM,1]Connecting to 136.181.135.38:11250
[0,7/16/2002 8:23:09 AM,1]Connected to 136.181.135.38:11250 in 0.120, Waiting for Server Response
[0,7/16/2002 8:23:10 AM,1]220 XFTP SERVER CM0960T0 (V5.485 30APR02) ready.
[0,7/16/2002 8:23:10 AM,1]Host type (1): Automatic detect
[0,7/16/2002 8:23:10 AM,1]AUTH SSL
[0,7/16/2002 8:23:10 AM,1]234 AUTH command accepted.
[0,7/16/2002 8:23:16 AM,1]USER User
[0,7/16/2002 8:23:16 AM,1]331 Password required.
[0,7/16/2002 8:23:16 AM,1]PASS (hidden)
[0,7/16/2002 8:23:17 AM,1]230 Logon accepted.
[0,7/16/2002 8:23:17 AM,1]SYST
[0,7/16/2002 8:23:17 AM,1]215 Messageway.
[0,7/16/2002 8:23:17 AM,1]SYST
[0,7/16/2002 8:23:17 AM,1]215 Messageway.
[0,7/16/2002 8:23:17 AM,1]PWD
[0,7/16/2002 8:23:17 AM,1]257 "\USER " is current default.
[2,7/16/2002 8:23:17 AM,1]TYPE A
[2,7/16/2002 8:23:18 AM,1]200 TYPE: command successful.
[2,7/16/2002 8:23:18 AM,1]PORT 216,93,1,194,6,69
[2,7/16/2002 8:23:18 AM,1]200 PORT: command successful.
[2,7/16/2002 8:23:18 AM,1]STOR DCHXFER
[2,7/16/2002 8:23:18 AM,1]150 Opening data connection.
[2,7/16/2002 8:23:18 AM,1]STAT
[2,7/16/2002 8:23:18 AM,1]213XFTP SERVER CM0960t0 (V5.485 21OCT02)
[2,7/16/2002 8:23:18 AM,1]STAT
[2,7/16/2002 8:23:18 AM,1]213XFTP SERVER CM0960t0 (V5.485 21OCT02)
[2,7/16/2002 8:25:25 AM,2]transferred 438012 bytes in 125.581 seconds, 27.249 Kbps ( 3.406 KBps).
[2,7/16/2002 8:25:30 AM,1]226 Closing data connection.
[-1,7/16/2002 8:25:30 AM,5]Transfer request completed with status: Finished
[2,7/16/2002 8:25:30 AM,1]QUIT
[2,7/16/2002 8:25:31 AM,1]221 Goodbye.
```

EXAMPLE OF GOOD TRANSFER LOG

Version 8.03

```
WINSOCK.DLL: WinSock 2.0
WS_FTP Pro, Version 8.03, 2003.12.16
Connecting to 136.181.135.38:11250
Connected to 136.181.135.38:11250 in 0.210308 seconds, Waiting for Server Response
Initializing SSL Session ...
220-DEG FTP
220-WARNING: UNAUTHORIZED USE PROHIBITED.
220-ALL USERS ARE LEGALLY ACCOUNTABLE FOR THEIR ACTIONS.
220 BY USING THIS SYSTEM, YOU CONSENT TO HAVING YOUR ACTIONS LOGGED.
AUTH SSL
234 AUTH command accepted.
SSL Session Started.
Host type (1): Automatic detect
USER ftpst5a
331 Password required.
PASS (hidden)
230 Logon accepted.
```

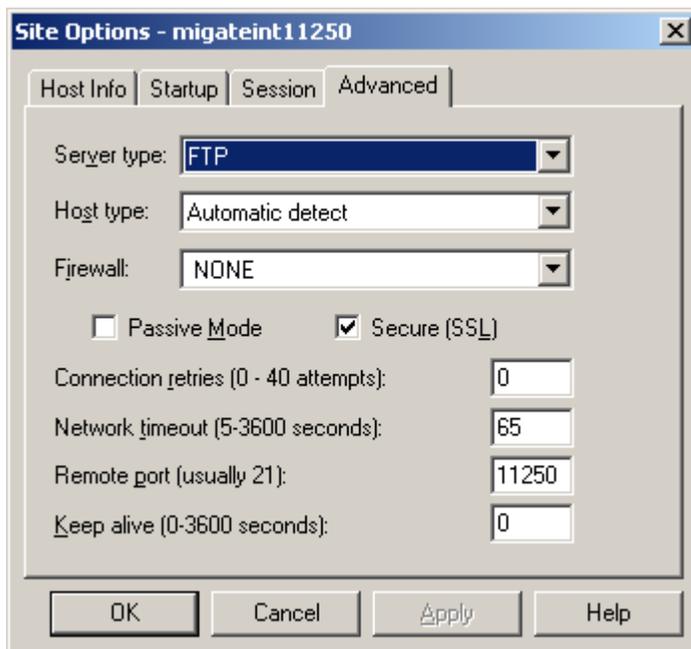
SYST
215 Messageway.
PBSZ 0
200 PBSZ: command successful.
PROT P
200 PROT: command successful.
Sending "FEAT" command to determine what features this server supports.
FEAT
211-Extensions supported
AUTH SSL
PBSZ
PROT C;P;
CCC
211 end
Finished interpreting "FEAT" response.
Sending the FEAT command is optional. You can disable it in the site options of the profile.
PWD
257 "\FTPST5A " is current default.
CWD ^FTPST5A
250 Requested action completed.
PWD
257 "\FTPST5A " is current default.
TYPE A
200 TYPE: command successful.
PORT 209,153,155,224,9,89
200 PORT: command successful.
LIST
150 Opening data connection.
transferred 83 bytes in < 0.001 seconds, 648.438 Kbps (81.055 Kbps), transfer succeeded.
226 Closing data connection.
Starting request
Sending "REST" command to determine if the server supports restarts.
REST 1024
502 REST: Command not implemented.
This server does not appear to support restarts.
-- Resuming of interrupted transfers disabled.
-- Multipart downloads disabled.
Finished checking for "REST" command support.
TYPE I
200 TYPE: command successful.
PORT 209,153,155,224,9,94
200 PORT: command successful.
STOR PKCNTLPG
150 Opening data connection.
226 Closing data connection.
transferred 198354 bytes in 61.070 seconds, 25.375 Kbps (3.172 Kbps), transfer succeeded.
Transfer request completed with status: Finished
TYPE A
200 TYPE: command successful.
PORT 209,153,155,224,9,95
200 PORT: command successful.
LIST
150 Opening data connection.
transferred 167 bytes in < 0.001 seconds, 1304.688 Kbps (163.086 Kbps), transfer succeeded.
226 Closing data connection.
Starting request
TYPE I
200 TYPE: command successful.
PORT 209,153,155,224,9,96
200 PORT: command successful.
RETR PKCNTLPG.040602.1347.8875
150 Opening data connection.
226 Closing data connection.
transferred 198354 bytes in 33.489 seconds, 46.273 Kbps (5.784 Kbps), transfer succeeded.
Transfer request completed with status: Finished
QUIT

221 Goodbye.
Connection closed. Ready for next connection.

Connecting Issues:

1. If you can't logon, make sure you have the right port number 11250 and SSL selected – FTP/SSL (AUTH SSL) – version 8.03
2. If you are getting a logon OK , but don't get a directory back from your mailbox, you are having a problem with the return data port. First try turning on **PASSIVE MODE**, if that doesn't work you may have a problem with your firewall.
3. If you get an error and you try automatically again. You might want to edit you site profile and make **AUTOCONNECT = 0** and **RETRIES = 0**. See above in document.

Version 7.61



Version 8.03

