

FTP Open Library – FTPOLIB

Version 100

25. April 2003

The FTPOLIB program is a library that can be attached to the FTPSERV program. It allows the FTPSERV, to access defined files even in case they are open. This does make sense for e.g. Entry-Sequenced files, especially the Trace- and Log-Files, used by GreenHouse products.

Activation

To activate the library, follow these steps:

1. The two files
 - FTPOLIB (library object) and
 - FTPOCONF (library configuration)have to reside in the same location (subvol).
2. The security settings have to be:
 - FTPOLIB = "OOAO"
 - FTPOCONF = "A000"

The file owner should be the system operator.

3. Edit the FTPOCONF file according to your needs by adding those files, FTP should access regardless of their actual OPEN state.
The FTPOCONF file is an EDIT type file of this structure:
 - o lines, beginning with an
 - = exclamation mark (!), a
 - = double minus sign (--), or a
 - = double equal sign (==)are treated as comment.
 - o a line contains the following four file attributes:
 - = the file name; this entry allows wild cards; the entry is NOT case sensitive
 - = the file code; this is a numeric value
 - = the file type; this is a value between 0 and 3, describing the ENSCRIBE type of the file
 - = the files record lengthThe four file attributes (name, code, type and reclen) have to be separated by at least one blank.
 - o The maximum line length is 123 bytes
 - o the maximum number of active file entries is 500. In case this is a problem, please let me know.
4. Check the file code of the FTPSERV program:
 - in case it has a file code of 100, use file FTPLIB.100
 - in case it has a file code of 700, use file FTPLIB.700
5. Check if FTPSERV is licensed.

6. Make sure the FTPSERV program is closed.
7. Run FTPSERV with this command:

```
[run]  FTPSERV/LIB $vol.subvol.FTPOLIB/
```

This binds the FTPOLIB to the currently used FTPSERV, and from now on all files, defined in FTPOCONF, can be accessed by FTPSERV independent of their OPEN state.

8. In case FTPSERV was licensed, check if the flag is still set. In case it is not, logon to SUPER.SUPER and execute the command:

```
FUP LICENSE FTPSERV
```

9. To unbind the FTPOLIB library, perform these steps:
 - make sure FTPSERV is closed
 - run FTPSERV with this command:

```
[run]  FTPSERV/LIB/
```

This de-binds the library from the FTPSERV program, and it now works as usual.

Questions and Answers

- We use the FTPSERV-E product from GreenHouse: Can we add this library as well?
No - you actually can not, but the FTPSERV-E product allows you to access all open trace- and log-type files! In case you like to have this feature with FTPSERV-E as well, please contact me.
- The FTPOLIB is activated, but no FTPOCONF file is present.
The libraries function is ignored
- The FTPOLIB is activated, and the FTPOCONF file has invalid entries, e.g. a file name that is longer than 36 bytes, or a negative file code is defined:
Only valid entries from FTPOCONF are taken into account
- The FTPOLIB is activated, and the FTPOCONF file has more than 500 active entries:
Only the first 500 entries are taken into account, all other entries are ignored.
- Where is the information from FTPOCONF stored?
FTPOLIB uses an extended segment.
- How can I check if the actual FTPSERV program has a library attached?
Use the SHOWLIB FreeWare tool from www.GreenHouse.de: It displays a program along with the library (in case there is one...).
- Is there an easier way in binding and de-binding the FTPOLIB?

*Yes: Use the BINEDLIB FreeWare tool from GreenHouse. It can be found at:
www.GreenHouse.de*

FTPOCONF

Here is an example FTPOCONF file: It defines all those files, being Trace- or Log-Files produced by one of the following GreenHouse products:

- Secure Command Manager (SECOM)
- Security enhanced FTPSERV (FTPSERV-E)
- Modem Port Watch Dog (MPWD)

```
!
!
!                               FTPOCONF
!                               =====
!                               FTPSERV Open Configuration
!                               -----
!                               25Apr2003
!
!
!
! This is the FTPOCONF (FTP Open Configuration) configuration file.
! It defines those files, FTPSERV is allowed to transfer even in case
! they are open.
!
! The following file attributes have to be defined:
!
! 1. File name (template)
!    It defines the name(s) of the files being allowed.
!    Wildcards are supported.
!    Entries are NOT case sensitive.
!    e.g. $system.safe.*
!
! 2. File Code
!    Defines the file code of the file.
!    This is a numeric value.
!    e.g. 18248
!
! 3. File Type
!    The file type describes the ENSCRIBE type of the file:
!    0 = unstructured file
!    1 = relative file
!    2 = entry-sequenced file
!    3 = key-sequenced file
!    e.g. 2
!
! 4. Record length
!    Defines the record length of the file.
!    e.g. 1055
!
!
! The file attributes have to follow the file name, and have to be
! space separated, e.g.
!
!     $system.safe.*  18248  2  1055
!
! The number of separation spaces has to be at least one.
!
! The maximum line length is 123 bytes.
!
! Lines, beginning with
! - an exclamation mark (!)
```

```

! - a double minus sign (--) or
! - a double equal sign (==)
! are treated as comment lines
!
!
! The file has to be named FTPOCONF, and has to reside in the same
! location as the FTPOLIB file.
!
! These default values allow TLIS to load open trace- and log-type
! files.
!
!
!      Name           Code  Type  Record      ! Description
!-----
! \*.$.*.*.*.      18248   2    4064      ! New Tracer
! \*.$.*.*.*.      18248   2     467      ! Old Tracer
! \*.$.*.*.*.      18248   2   1055      ! SECOM log file
! \*.$.*.*.*.      18248   2    258      ! MPWD log file
! \*.$.*.*.*.      18248   2    105      ! FTPSERV-E log file
!-----

```