

# EFT Server Client Log Explained

## THE INFORMATION IN THIS ARTICLE APPLIES TO:

- EFT Server (All Versions)

## DISCUSSION

When EFT Server's Download and Copy/Move action offloads or downloads files to/from other servers, the session is recorded to a log file: cl[yymmdd].log, e.g., cl060312.log.

The log file is formatted as: Time; Protocol; Host Name; Port; User Name; Local Path; Remote Path; Operation; GetLastCode

For example:

```
2006-03-06 10:11:03; ftp; 192.168.20.171; 21; ClientA; C:\test1.txt; /test1.txt;
download; 226;
```

(In v6.4 and later) A tenth column can be added to the CL log by defining a registry entry. The tenth column indicates status of the Event, Success (0) or Failure (1). To enable the tenth column, create the DWORD `Enable10ColumnInClientLog` at the following path:

32-bit: HKEY\_LOCAL\_MACHINE\SOFTWARE\GlobalSCAPE Inc.\EFT Server 4.0

64-bit: HKEY\_LOCAL\_MACHINE\SOFTWARE\Wow6432Node\GlobalSCAPE Inc.\EFT Server 4.0

Value:

- 0 or not present = disabled

- 1 = enabled

With the tenth column enabled, the CL log columns are:

```
TIME; PROT: HOST:PORT; USER; LOCAL_PATH; REMOTE_PATH; OPERATION;
LAST_RESULT_CODE; ACTION_RESULT
```

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If ACTION\_RESULT = 0, any "if action FAILED" Actions in the Rule are skipped.

The log can be used for trouble-shooting connection and transfer errors. The "GetLastCode" value returns the protocol success or error code or socket error. For example, trying to connect to a non-existent website will result in the socket error code 10060, connection timeout. EFT Server defines a few of its own:

- 0 - Success (connected ok)
- 1 - General socks failure
- 2 - Socket connection not allowed by ruleset
- 3 - The network is unreachable
- 4 - The host is unreachable
- 5 - The remote server actively refused the connection
- 6 - The Time To Live (TTL) expired. This could indicate a network problem.
- 7 - The command was not supported by the remote host. Also a catch all error code.
- 8 - The address type or format is not supported
- 10 - Illegal socks name
- 11 - Socks5 authentication failure (username/password incorrect)
- 12 - Can't connect to socks server
- 2000 - Internal timeout error code (multiple reasons, such as firewall blocking connection, etc.)

FTP and FTP over SSL only return protocol-level success and error codes. For example, a successful transfer would return 226 or a bad login password would return 530. Refer to [RFC 959](#) for a complete list of FTP/S return codes.

SFTP (SSH2) returns the following success and error codes:

- -1 - Undefined or unknown error (not enough information to determine exactly why it failed)
- 0 - The operation completed successfully
- 1 - The operation failed because of trying to read at end of file
- 2 - The requested file does not exist
- 3 - Insufficient privileges to perform the operation
- 4 - The requested operation failed for some other reason
- 5 - A badly formatted message was received. This indicates an error or incompatibility in the protocol implementation
- 6 - Connection has not been established (yet) and a timeout occurred

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- 7 - Connection to the server was lost, and the operation could not be performed
- 8 - A timeout occurred

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