



H801 Bulk File Transfer (BFX™) for Linux® Systems

Release 3.4.1

Memo To Users

June 2013

© 2013 Network Executive Software, Inc.
6420 Sycamore Lane N. Suite 300
Maple Grove, MN 55369

MTU-H801-3.4.1

Introduction

This product implements the Network Executive Software (“NESi”) H801 Bulk File Transfer (BFX™) utility for Linux distributions. Refer to this platform’s Support Table on the www.netex.com support website for an updated list of supported operating systems.

This document should be reviewed carefully prior to installation of H801.

For NetEx/IP and associated products, support is available via:

- 24x7 telephone at (800) 854-0359
- <http://www.netex.com/support>
- email: support@netex.com

Product Documentation

Additional information about this BFX software may be found in the following:

- *BFX for Unix Systems Release 3.4 Software Reference Manual*

The latest revision of this “Memo To Users” document and any other relevant reference documentation can be found at <http://www.netex.com> by going to the Support dropdown and selecting Products and then selecting the appropriate platform.

Notice to the Customer

Comments about this documentation may be submitted via e-mail to support@netex.com or by visiting our website, <http://www.netex.com>. Always include the complete title of the document with your comments.

Information on Network Executive Software’s general software support policy (e.g., alternate contact methods, support severity level descriptions, and service status definitions) may be found at <http://www.netex.com/support>.

Software Modification Policy

Modifications to H801 that are not specifically authorized by NESi are prohibited.

Any unauthorized modifications to H801 may affect its operation and/or obstruct NESi’s ability to diagnose problems and provide corrections. Any work resulting from unauthorized modifications shall be paid by the customer at NESi’s then-current support rates and may result in the immediate termination of warranty/support coverage.

Document Revision Record

Document Publication Date	Summary of Changes
January 27, 2009	<ul style="list-style-type: none">• Added “Document Revision Record” table.• Updated copyright year on cover.• Corrected purpose of “/var/opt/bfx” directory (for BFXJS log files).• Added entry indicating that “/tmp” is the location for remote BFX job files.
June 2013	<ul style="list-style-type: none">• Support for Release 3.4.1

Service Notes

The following notes or restrictions apply for the current release of BFX and may or may not exist in future releases.

1. Following a successful login, BFX log files are created in the login user's home directory with the name "JOBxxxxxxxlog" where "JOBxxxxxxx" corresponds to the JOBFIL name. No log file is created if a user fails for any reason to get properly logged in (e.g. bad password, bad job file format, etc.). In the case of a failed login attempt, the BFXJS log file will contain a message describing the reason for failure. The BFXJS log file is the only place failed login messages are logged.
2. Shell scripts named 'bfxsend' and 'bfxrecv' have been provided in /usr/share/nesi/bfx/bin as a BFX wildcard send/receive model. Ideally you can type 'bfxsend' or 'bfxrecv', answer the prompts, and transfer the given files to or from a remote host. Some sample remote hosts you might interact with are included in the scripts. Review the scripts and make your own site modifications.

Installation Notes

Refer to the general *BFX Unix User Manual* for installation instructions.

Update Summary

Release 3.4.1

<u>Ticket</u>	<u>Description</u>
Misc	BFX is now distributed with secure jobfile transfer support
1992	EOF is now recognized in input stream?
2684	BFXTEST doesn't require root authority to run
2864	Cleanup the test scripts
2866	Increase the cmd line limit to 240
3158	No Segmentation Fault when bfxsend is given a directory name
4948	BFX works for NIS users
4954	BFXINPUT file is now documented
4956	RMAXL has better clarification of its use
4974	Reduce the messages on "normal" runs
5574	BFX 3.4 has new dir locations and is distributed in a GPG signed RPM package
5620	Add support for custom defaults to be set in all the components
5626	bfxjs now appends to it's log

Release 3.3-0

- **[4944]:** BFX for Linux no longer requires a license key to function. However, a license contract/fee is still required to use the product.
- **[2865]:** The date has been added to the timestamps in the log files and messages.
- **[2867]:** Syslog and nosyslog have been added to the login options.
- **[4941]:** Correct duplicate close of the file when receiving an abort causing a core dump in SLES 10 SP4.

Release 3.2-6

- **[1906]:** A new RPARM parameter has been added to allow the user to tailor how carriage returns (CR) and line feeds (LF) are handled on the receiving side of a file transfer. BFX's default behavior is to ignore a (CR) (if present) at the end of the received record and terminate it with an (LF). This

means that if a (CR) is present, the (CR) will be written to the file, and since the record will be terminated with a (LF), the record will effectively be terminated with a (CR)(LF). If a (CR) is not present, the record will be written to the file, and terminated with an (LF). This parameter is valid only when Linux BFX (H801) is the receiver. It will be ignored on the transmitting side of the transfer.

The format of this parameter is as follows and must be specified in all lower-case or all upper-case characters:

```
RPARM [ NOCR | NOLF | NOCRLF ]
```

where:

NOCR This option will remove one carriage return (CR) from the end of the incoming record (if present) and terminate the record with a line feed (LF) character.

NOLF This option will ignore a carriage return (CR) at the end of the incoming record (if present). It will **not** terminate the record with a line feed (LF) character.

NOCRLF This option will remove one carriage return (CR) from the end of the incoming record (if present) and will **not** terminate the incoming record with a line feed (LF) character.

Example 1:

```
receive from ahost id alpha file file-name mode char -  
msglvl 0 timestamp rparm NOCR
```

This will strip one (CR) from the end of each incoming record, if it has one, and terminate the record with an (LF).

Example 2:

```
receive from ahost id alpha file file-name mode char -  
msglvl 0 timestamp rparm nolf
```

This will leave a (CR) intact, if present, and NOT terminate the record with an (LF).

- [2002]: A correction has also been made to prevent segmentation faults when the TZ environment variable is missing

Release 3.2-5

- Modified to install and run on both Red Hat and SUSE Linux distribution.
- 'bfxjobstart' in /opt/bfx/lib is no longer SUID. This means that bfxjs **must** be started by a user with root permissions.

Release 3.2-4

This is the base release of H801.