H621 Bulk File Transfer (BFX™)

for IBM AIX Operating Systems

Release 3.4.4.1

Memo to Users

March 2022

Introduction

This product implements the Network Executive Software H621 Bulk File Transfer utility for IBM Power System and System p AIX systems.

This document should be reviewed carefully prior to installation of H621. H620IP NetEx/IP for IBM AIX Operating Systems is a prerequisite.

New Features

- Supports any version of TLS (v1, v1.1, v1.2).

- Since this release is a maintenance release refer to the Updates section for details.

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 "JOBxxxxxxxxlog" where "JOBxxxxxxxx" corresponds to the JOBFILE name. No job 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. For secure jobs, the bfxsjs.stderr log file will contain any failed login messages.

Installation Notes

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

Update Summary

Release 3.4.4.1

  8502   SSL configuration changes

Release 3.4.4

7794   Add an ID to the messages for ease in coordinating messages in the logs

7796   Add the lapsed time to the completion of the file open (for diagnostics)

Release 3.4.3

6536 BFX not handling 3404 error properly and did not abort job

6772 Should prompt for SECURE or NOSECURE in BFXTEST utility

6786 Denial of service: BFX jobs not run while BFX command port is busy

6790 BFXTR output missing BFX101 message from remote side (records sent)

6796 BFXTI/BFXTR will use NTXLCL if no TO/FROM host is defined

6800 Uninitialized ABRTD flag intermittently indicated erroneous results

6810 Clean up job file if test programs aborted (i.e., Ctrl-C)

6909 Add new feature for secure transfer: Balance Secure Connections

7458 Configuration option USERSHELL overrides shell with user's shell (from passwd file)

7459 BFXSEND & BFXRECV utilities do not support Unisys OS

7461 BFXSEND & BFXRECV now creates temp files in /tmp

7462 BFXSEND & BFXRECV creates local jobfile with minimal permissions

7465 BFXSND now sends Last message flag or abort message flag as appropriate

7466 BFXSJS config file parsing enhancements

7467 Correct the parsing of double quotes in configuration/jobfiles

7468 Add BFX922 & BFX923 messages to track file open progress

7469 Job log files now with permissions of 644

7478   BFXJS now retries every 30 sec when Netex is down

7480   Allow RMAXL above 2499 in ASCII mode

7485 BFXSJS has enhanced verification of Certificates

Release 3.4.2

- Ticket 5729: Isolate Secure jobfile transfers to Netex networks by adding NTXnetexhost in name re-solver database (requires no change to BFX jobs).

- Ticket 5916: Resolve problem causing zombie/defunct processes left by bfxsjs

Release 3.4

- Supported on AIX 5.3 and 7.1.

- Ticket 7464: BFX is now distributed with secure jobfile transfer support.

- Ticket 2857: Date has been added to timestamps.

- Ticket 2858: Increased BFX command line limit to 240.

- Ticket 2859: Added logging options to system logging facilities.

- Ticket 2685: BFXTEST doesn't require root authority to run.

- Ticket 5448: BFX now retries NRBSTAT 503 (max sessions exceeded).

Release 3.2_2

- A problem was found such that BFX would not start new jobs correctly if the start and stop dates/times for Daylight Savings time are added to the TZ variable. This problem has been corrected.

- Beginning with this release BFX will report the UNIX error code to both sides of the transfer if there is a write error (i.e., disk full, ulimit exceeded, etc.)

Release 3.1 N1B2

- A problem was reported where BFXJS and BFXTI would cause a segmentation fault when started. This problem has been corrected in this release.

- This version of the BFX application introduces support for large files (> 2GB).

- This version is the first for the RS6000 built from a common Unix source tree.