neTex

H305

Extended Mode Secure Bulk File Transfer (BFX™) for Unisys OS2200 Systems

Release 1.3.7

Memo to Users

November 6, 2020

MTU-H305-R1.3.7

Introduction

This memo provides supplementary and release-dependent information to users and documents any changes to the Software Reference Manual before a new revision is published.

It should be reviewed carefully prior to installation of the product.

This new release of H305 is a functionally equivalent product but is NOT compatible or interoperable to the current releases of H301/H301L, or H301e.

Service Notes

New Features

This release is a maintenance release for a the secure BFX product (H305) on the Unisys platform.

This product which is functionally equivalent to H301/H301L/H301e, however, it is not compatible or interoperable with any non-secure NetEx products. This product requires H304 (Secure NetEx/IP) and will not interoperate with H300IPC/H300e.

Enhancements were made to the User modules.

Additional support to pad ASCII records to a full word on DiskSec device type files.

For updates, refer to the Update Summary for details.

Update Summary

The following parameters have changed from usage in H301/H301L releases as noted:

Command	Default	Used By
BMOD		*Unsupported – IGNORED*
BPARM		*Unsupported – IGNORED*
CHKSUM		*Unsupported – ERROR*
CLOSE		*Deprecated – IGNORED*
HOBOPT		*Unsupported – ERROR*
JFILE		*Unsupported – ERROR*
JFLAG		*Unsupported – ERROR*
KEYVAL		*Unsupported– ERROR*
NOCLOSE		*Deprecated – IGNORED*
NOCR		*Silently ignored*
NOCRLF		*Silently ignored*
NOLF		*Silently ignored*
RATE		*Deprecated – IGNORED*
RESTORE		*Unsupported – ERROR*
RPARM	(blanks)	*Silently ignored*
SENDJB		*Unsupported – ERROR*
TIMEFL		*Unsupported – ERROR*
USE_NAME		*Unsupported – ERROR*

Release 1.3.7 Updates

8805   rbm fails compare on 86 character records

8824   DECODE EXIT and TLBL messages during tape transfer

8825   Missing 220I and 101I messages for 2nd file

8826   BFXRBM send and receive record counts differ

8830   SPERRY mode aborts multi-reel transfer

8832   RBM mode extra end of file messages and lost last byte

8836   H305 Messages differ from H301

8848   MODE=OCTET aborts multi-reel transfer

8849   block module ignores fatal messages from remote All platform common code fix

8851   HOBCHECK warnings using H305 that do not appear with H301

8853   I/O error, RC=19043 when sending a MODE=BIT tape

8854   BFX901F Bit-string record size must be a sector multiple

8857   typo in BFX945 message

8866   TSB606 message in H301L changed to TSB607 in H305

8893   Retry Netex 3390 error for conntime (prevent denial of service)

8896   many GOING MULTIREEL messages seen in octet transfer

8915   H305 RBM last character mismatch

Release 1.3.6 Updates

8809   "File specified is not on tape" message when sending a disk file

8812   Accept validation errors in eof lablels

8814   Check if room in network block using the larger of rparm->recsize or rmaxl to avoid NRB-STAT=3005 when using MODE=OCTET

8818   bigblock sender/receiver report RMAXL in different formats

Release 1.3.5 Updates

8755   BFX121S after the file is sent

8766   Tape compare fails due to different size records

8778   bfxrbm, bfxoct,bigblk, and sendrcv prints a authorization for labels tsb612 tsb613 tsb614

8806   TSB721 produced in error

Release 1.3.4 Updates

8403 TSB602I Missing Tape Serial Number

8719 RBM character mode transfers stall with multi-volume tape

8734 verify-test uses secure data when non-secure is selected

8736 Enhance processing of record headers

8747 "END OF BFXxx EXECUTION" message not output as expected

8752 MODE=OCTET unexpected messages

8757 29009 error is encountered at end of file Missing error message rlen>rxmal

8758 sendrec transfers 1 file when sl tape, not authozized for labels

8762 bigblk does not use RMAXL if defined – Works differently than H301L

Release 1.3.3 Updates

8718 BFX210S & TSB719E, cannot open JOBFILE and format-A tape needed

8729 HOBCHECK warnings using H305 that do not appear with H301

Release 1.3.2 Updates

8678 Duplicate comapi use statement in links

8681 bfxoct sending partial blocks

8689 Secure BFX SENDER/RECVER and multi-file tapes

8671 Unisys userid can be up to 13 including null. Connect has an 8 character limit

Release 1.3.1 Updates

8426   MODE=OCTET Input Reel Positioning error

8427   Unable to terminate BFXTI on bad IP address

8575   Secure mode initial performance improvements

8608   BFX OCTET transfer need to validate the reblocking of records.

8613   USSENDER USRECVER errors in user mods

8633   H305 missing RTLVL in edit TCPCFG sections

8668   BFXJS attempts to open a file already opened

Release 1.3 Updates

8234   JSAUTH failure when H624 submitting job

8303   SET RMAXL DEFAULT for TRACKIO

8356 JOBFile does not need to cycle

8403 TSB602I Missing Tape Serial Number

8404 BFX realtime support for ,f on execute option -Unisys

8406 Data counts differ from H301

8462 User request for a BFXJS term command

8467 mode = ascii invalid

8469 Need to terminate bfxjs on nrb=3911 error loading cctable

8490 Move databuffers to program memory, messages still in activity buffers

8498 Dash not allowed as token

8509 Data truncated without error when RMAXL is smaller than record size

8522 Dynamically Modify Remote Host

8523 Manual has a typo for the description of the SECHOST and NOSECHOST

8544 BFX message values truncate at '%'

Release 1.2 Updates

8044 SNX log level is uninitialized in trol record

8086 Support Legacy BFX Products with Secure BFX via Secure TNP

8091 Provide consistent Keywords and same functionality for security controls

8120 BFXJS must verify userid length in connect data

8129 Use BFX message format for Secure NetEx messages

8155 MJSEC and NOMJSEC are BFXTI only

8192 JSAUTH failure uses incorrect buffer size

8200 MDSEC sets NOMDSEC

8203 BFXJS does not reset the JSAUTH userid field

8206 Intermittent BFX211 error "Cannot open output file jobstart, RC=1."

Release 1.1 Updates

7936 Add message BFX930I transferred nnnKB in nnn msecs = nnn KB/sec

7932 Allow 13 character in file name if 13 "."

7933 BFX399W Warning tape assigned Format-A

7984 BFX407E Message shows entered parameter not Maximum length

7931 BFXTRCFG contains TIMEOFFER which is not a BFXTR parameter

7903 Rename global config files SBFXTICFG & SBFXTRCFG

7934 RMAXL should have a default of 28

7935   Time stamp needs to include milliseconds on Unisys

7937   TSB710I message on sender and receiver when CFMT tapes are used

7995   error when trying to send a file