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# **H304 Secure NetEx/IP®**

## **for Unisys Dorado Systems**

**Release 1.5.6**

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**Memo to Users**

March 2023

# Introduction

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This memo provides supplementary and release-dependent information for NetEx users. It should be reviewed carefully prior to installation of the product.

H304, Secure NetEx/IP provides optional secure/private transfers utilizing the same NetEx application interface as legacy NetEx products. Although H304 1.5.5 is a functionally equivalent product supporting IP communication via CPCOMM without an outboard channel-attached appliance, H304 is NOT compatible or interoperable with all other non-secure NetEx/IP products.

## Support

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

- 24x7 telephone at +1 763-694-4350
- The worldwide web: [www.netex.com](http://www.netex.com)
- Email [support@netex.com](mailto:support@netex.com)

## Distribution

This product is available via download from our ftp server. This format requires that the release file be transferred to your Unisys system via cpFTP using “bin” and “cfmt” options.

The release is a single program file containing all required executables and utilities.

NetEx Software’s policy is to release a distribution for new products without source code.

## New Product H304 Release 1.x:

- H304 1.x is functionally equivalent product as H300IPC/H300e. It will co-exist with H300IPC/H300e on the same processor but is not compatible with other remote H300IPC/H300e or other remote non-secure NetEx/IP products.
- Applications which use Secure NetEx/IP on Unisys platforms will need to be compiled with Extended Mode compilers and linked with the appropriate application modules. *Basic mode applications are not supported.*

### New H304 Release 1.5.2:

Command interface to SNXMAP from the console

### New H304 Release 1.5.3:

Add option to stop connection attempts after a 3501 or 3920 NRBSTAT

### New H304 Release 1.5.4:

Retry Offer on listen error

### New H304 Release 1.5.5:

Close window during connect process

### New H304 Release 1.5.6:

Miscellaneous cleanup and fixes.

# Service Notes

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## Secure NetEx dumps

Secure NetEx dumps are captured via PADS. The PADS\$PF should point to the program file containing the PADS\$CONFIG element. Normally this will be in the Secure NetEx configuration library. The USE statement for NTX\$DIAG should point to a file that will contain the diagnostic file if the Secure NetEx application abnormally terminates.

## CPCOMM PING

In order to test network connectivity, a 'ping' command can be issued from the Unisys host CPCOMM operator interface. The syntax from the "CPCOMM Operator" manual:

```
[cpcomma] PING HOST,{host-name | ip-address} [REPEAT-COUNT,number] [BYTES,number] ;  
[WAIT,seconds] [RECORD-ROUTE | TIMESTAMP] [LOCAL-IP,ip-address]
```

# Update Summary

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## Release 1.5.6

- 9476 Correct handling of NRB user buffers
- 9477 Cleanup SNXMAP/UNIECL
- 9478 distributed <rel>.SNXMAP/UNIECL example file fails start
- 9479 finduse function read and write out of bounds
- 9480 Enhance xqt,f feature in SNX API
- 9489 Cleanup H304 distribution file
- 9490 Remove getSysinfo module
- 9496 Generate H304 sample configuration files with current year
- 9498 Expand NRB argument check on API entry
- 9502 SNXMVGEN single session hangs on SIZE less than zero
- 9515 SNX1000 thread debug message

## Release 1.5.5

- 9439 SNXMAP could close session before response is sent

## Release 1.5.4

- 9069 SNX4101E csokcntx(4): RFCONNECT doportmap LICCHK timed out
- 9249 Redrive Offer on listen error

## Release 1.5.3

- 9133 Add option to stop connection attempts after a 3501 or 3920 NRBSTAT
- 9031 Support graceful stop of SNETEX and SBFXJS and other commands
- 9161 SNXMVEAT - Unchecked return value to NULL pointer dereference
- 9176 SOFFR only accepts one connection

## Release 1.5.2

- 8800 Invalid command 'setconip'
- 8870 Add printfile cycling to SNXMAP
- 8873 Protect errno from possible change in log message callback
- 9005 Hostname value in setip command is not content checked
- 9009 LCLHOST value is not content checked

- 9011 SOFFR does not validate nrbhost
- 9036 Resolve snetex service once per session
- 9039 Error handling for SNX4221E is incorrect
- 9051 Move offer conip check from last to first
- 9055 Consolidate SNXMAPOP output
- 9071 H305 bind errors
- 9072 Cleanup getTCPconfig
- 9074 Possible buffer overflow in SNXMAP parms
- 9080 SNXMAPOP option '-' is ignored
- 9084 Allow configuration of SNXMAP listen backlog
- 9090 3506 after seeing 3501
- 9095 3501 error should have precedence
- 9104 Runtime level for portmapper

## **Release 1.5**

- 8710 Provide CONIP for allowed connect from IP address

## **Release 1.4**

- 8533 Host name resolution additional feature (SetIP)
- 8583 Add CONNTO for connect timeout
- 8616 Add feature to restrict the inbound connection to a list of from IP addresses

## **Release 1.3**

- 8331 Hostnames of all Numbers does not work; should be documented
- 8393 \$ Character Not Valid in Offer IDs - Allow printable characters for hostname and offername
- 8425 Add realtime support to Secure Netex
- 8432 Specifying comapi d fails, must be a capital letter
- 8435 Ability to load custom Character Conversion Tables
- 8463 SNTX operator interface for termination
- 8487 Enhance SNX3210I message to include local address and port

## **Release 1.2**

- 8037 Add multihost support in Secure NetEx

- 8124 Dump during ntxgenx cleanup after finishing transfer
- 8133 Add column header to SNXMAPOP 'all'
- 8147 Move API documentation to another the manual (request from support)
- 8159 Sync code conversion tables between products
- 8180 SBFXJS aborts when error "BFX320F BAD CONNECT DATA RECEIVED"
- 8189 Buffer overflow in data conversion

## **Release 1.1**

- 7946 SNXMAP does not detect select error
- 7956 3506 errors are retried instead of failing
- 7947 Run eat/gen using netex max block
- 7886 SSL configured for TLSV1 only
- 7939 BFXTI and BFXTR report different KB transferred when mode is bit
- 7948 Set NRBSTAT on wait queue NRBS during session cleanup
- 7943 Certain error conditions (RFCLEANUP) in read processing hangs application

## **Release 1.0**

This is a new product; therefore, there are no updates at this time.