



H304 Secure NetEx/IP®

for Unisys Dorado Systems

Release 1.5.5

Memo to Users

November 2022

Introduction

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 (800) 854-0359
- The worldwide web: www.netex.com
- email 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

Service Notes

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

Release 1.5.5

9439 SNXMAP could close session before response is sent

Release 1.5.4

9069 SNX4101E csokentx(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 SNXMAPPOP output

9071 H305 bind errors

9072 Cleanup getTCPconfig

9074 Possible buffer overflow in SNXMAP parms

9080 SNXMAPPOP 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 SNXMAPPOP '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.