



H624 Secure NetEx/IP

for IBM AIX Operating Systems

Release 1.5.5

Memo to Users

October 2022

Introduction

This product implements the Network Executive Software H624 NetEx/IP for IBM Power System and System p AIX systems.

This document should be reviewed carefully prior to installation of H624.

Secure NetEx/IP for IBM Power Systems (H624) Release 1.5.5 is NOT compatible or interoperable with other **non-secure** NetEx/IP products on other platforms, as well as with previous releases of H620IP.

H624 is available by download.

The following manual is available for H624:

Hxx4 Secure NetEx/IP Reference Manual (1.5.3)

The manual, along with this Memo to Users can be downloaded from www.netex.com by selecting the 'Support' tab, then navigating to 'Products', then selecting the 'IBM Power System/AIX (H62x)' link on the right side of the window, and then clicking on 'Docs' in the 'Secure NetEx/IP [H624]' entry for the appropriate version.

Support

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

- 24x7 telephone at 1 763.694.4350
- www.netex.com/support
- email: support@netex.com

Notice to the Customer

Comments about this documentation may be submitted via e-mail to support@netex.com or by visiting our website, 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 www.netex.com/support/software-support-policy.

Software Modification Policy

Modifications to H624 that are not specifically authorized by NESi are prohibited.

Any unauthorized modifications to H624 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.

New Features

This product is functionally equivalent to (non-secure) H620IP Release 7.0.4 with the added capability of optionally sending data privately/securely. However, it is not compatible with H620IP or H621.

Release 1.5.5 Features

Refer to specific maintenance issues in update summary.

Release 1.5.4 Features

Refer to specific maintenance issues in update summary.

Release 1.5.3 Features

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

Release 1.5 Features

Additional hostname resolution features:

- independent connect from ip address resolution

Release 1.4 Features

Additional hostname resolution features:

- setIP for resolving NetEx hostnames
- restricting inbound connections source IP to the setIP list of IP addresses
- connect timeout parameter

Release 1.3 Features

Loadable Code Conversion tables.

Release 1.2 Features

Multihost support has been added to this release. When enabled, the hostname of the Connect and Offer must match.

FIPS mode has been added to the security settings, as well as specific cipher selection tuning.

Installation

Installation Notes

1. H624 is available as a downloadable distribution. Download instructions can be obtained by contacting support@netex.com.
2. Follow the installation instructions in the appendix for AIX Installation in the *Hxx4 Secure NetEx/IP Reference Manual* to complete the installation.
3. Check if there are any H624 updates by going to www.netex.com, then clicking on the 'Support' tab, then navigating to 'Products', then selecting the 'IBM Power System for AIX (H62x)' link on the right side of the window, and then clicking on 'Updates' in the 'Secure NetEx/IP [H624]' entry for the appropriate version. If there are any, download them and follow their installation instructions.

Update Summary

Release 1.5.5

9440 SNXMAP could close session before response is sent

Release 1.5.4

9262 File descriptor leak in API

9284 swait deadlock n > 0

Release 1.5.3

9140 Add option to stop connection attempts after a 3501 or 3920 NRBSTAT

9144 CNVERIFY does not stop on CN match

9147 Fix status check of OpenSSL functions to load certificates and private keys

9162 SNXMVEAT - Unchecked return value to NULL pointer dereference

9172 Memory leak for secure sessions

9177 SOFFR only accepts one connection

Release 1.5.2

8801 Invalid command 'setconip'

8874 Protect errno from possible change in log message callback

8899 Potential to hang offer port

8910 SNX4217E does not contain correct SSL connect result code

9001 LCLHOST value is not content checked

9002 SOFFR does not validate nrbhost

9006 Hostname value in setip command is not content checked

9037 Resolve snetex service once per session

9052 Move offer conip check from last to first

9056 Consolidate SNXMAPPOP output

9081 SNXMAPPOP option '-' is ignored

9085 Allow configuration of SNXMAP listen backlog

9091 3506 after seeing 3501

9096 3501 error should have precedence

Release 1.5

- 8676 Available message when a Connector is denied due to no resolution
- 8716 Provide CONIP for allowed connect from IP address

Release 1.4

- 8532 Host name resolution
- 8580 Use Unix domain sockets for IPC
- 8585 Add CONNTO for connect timeout
- 8617 Add feature to restrict the inbound connection to a list of from IP addresses

Release 1.3

- 8332 Hostnames of all Numbers does not work; should be documented
- 8394 \$ Character Not Valid in Offer IDs - Allow printable characters for hostname and offername
- 8444 Ability to load custom Character Conversion Tables
- 8488 Enhance SNX3210I message to include local address and port
- 8494 Allow configuration of SSL protocol
- 8495 Add serial number to peer certificate message

Release 1.2

This is a feature update with the following issues addressed:

- 7953 SNXMAP does not detect select error
- 7963 Set NRBSTAT on wait que NRBS during session cleanup
- 8038 Add multihost support in Secure NetEx
- 8119 FIPS mode added to SNXMAP configuration
- 8122 SNXMAPPOP now shows correct license expiration time
- 8125 Correct cleanup failure on NetEx Requester transfer.
- 8134 Add column header to SNXMAPPOP 'all'
- 8148 Remove API documentation from the manual; available via support@netex.com
- 8149 Allow tuning of SSL cipher list
- 8160 Sync code conversion tables between products
- 8169 Static link the gcc library for AIX builds.
- 8190 Buffer overflow in data conversion

Release 1.1

This is a maintenance update with the following issues addressed:

- 7886 SSL configured for TLSV1 only
- 7944 RFCLEANUP in read processing hangs application
- 7953 SNXMAP does not detect select error
- 7957 3506 errors are retried instead of failing
- 7960 Run eat/gen using netex max block
- 7963 Set NRBSTAT on wait que NRBs during session cleanup

Release 1.0

This is a new product release which is functionally compatible to the non-secure H621 Release 3.4.4.