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# **H214 Secure NetEx/IP**

## **for IBM z/OS Operating Systems**

**Release 1.5.3**

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**Memo to Users**

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© 2017-2021 Network Executive Software, Inc.  
6450 Wedgwood Road N #103  
Maple Grove, MN 55311

# Introduction

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This Memo to Users contains information for H214 and should be reviewed before beginning the installation process.

Secure NetEx/IP for z/OS (H214) is NOT compatible or interoperable with other **non-secure** NetEx/IP products on other platforms, as well as with previous releases of H210IPz, unless a Secure TNP product is deployed to perform the bridging to the legacy products.

H214 is available by download.

The following manual is available for H214:

*Hxx4 Secure NetEx/IP Reference Manual Release 1.5.3*

The manual, along with this Memo to Users can be downloaded from [www.netex.com](http://www.netex.com) by selecting the 'Support' tab, then navigating to 'Products', then selecting the 'IBM System z/zOS (H21x)' link on the right side of the window, and then clicking on 'Docs' in the 'Secure NetEx/IP [H214]' entry for the appropriate version.

## Support

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

- 24x7 telephone at (800) 854-0359
- <http://www.netex.com/support>
- email: [support@netex.com](mailto:support@netex.com)

## Notice to the Customer

Comments about this documentation may be submitted via e-mail to [support@netex.com](mailto:support@netex.com) or by visiting our website, <http://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 <http://www.netex.com/support/software-support-policy>.

## **Software Modification Policy**

Modifications to H214 that are not specifically authorized by NESi are prohibited.

Any unauthorized modifications to H214 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

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This product is functionally equivalent to (non-secure) H210IPz Release 7.4 with the added capability of optionally sending data privately/securely, however it is not compatible with H210IPz.

## Release 1.5.3 Features

Addition of option to stop connection attempts after a 3501 or 3920 NRBSTAT

## Release 1.5.2 Features

Addition of console commands

## Release 1.5 Features

Additional hostname resolution features:

- Inbound connection restrictions are independent of outbound addresses

## 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

- Added support for specifying RACF keyring.
- Allow configuration of SSL protocol.
- Add support for loading custom code conversion tables.

# Installation

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## Installation Notes

1. H214 is available as a downloadable distribution. Download instructions can be obtained by contacting [support@netex.com](mailto:support@netex.com).
2. H214 Release 1.5.3 is distributed as a downloadable package that includes a scripted batch job and sets of distribution libraries, all packaged together in TSO TRANSMIT format.
3. Follow the installation instructions in the appendix for IBM z/OS Installation in the *Hxx4 Secure NetEx/IP Reference Manual* to complete the installation.
4. Check if there are any H214 updates by going to [www.netex.com](http://www.netex.com), then clicking on the ‘Support’ tab, then navigating to ‘Products’, then selecting the ‘IBM System z/OS (H21x)’ link on the right side of the window, and then clicking on ‘Updates’ in the ‘Secure NetEx/IP [H214]’ entry for the appropriate version. If there are any, download them and follow their installation instructions.
5. You will need to rerun your install jobs for any applications (including your own) that use H214 in order for those applications to use this new version. The Network Executive Software products include:
  - Secure BFX for z/OS (H215L)
  - Secure PFX-R for z/OS (H216R)

# Update Summary

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## Release 1.5.3

9103 Improve documentation on USEDNS and USESETIP

[9142 Add option to stop connection attempts after a 3501 or 3920 NRBSTAT](#)

[9160 SNXMVEAT - Unchecked return value to NULL pointer dereference](#)

9173 Memory leak for secure sessions

[9175 SOFFR only accepts one connection](#)

9179 BFXSAMP job fails with SSL error 437 error with CNVERIFY=YES set

## Release 1.5.2

9004 Hostname value in setip command is not content checked

9008 LCLHOST value is not content checked

9010 SOFFR does not validate nrhost

9024 Support graceful stop of SNETEX and SBFXJS and other commands on z/OS

9035 Resolve snetex service once per session

9045 H215 1.3.1 linked to H214 1.5.2 BFXJS abends on startup

9050 Move offer conip check from last to first

9054 Consolidate SNXMAPOP output

9066 Failed COffer, Status: 7, Ind 0, Session: 0 Loop: 0 when attempting to start SNXMVEAT

9079 SNXMAPOP option '-' is ignored

9083 Allow configuration of SNXMAP listen backlog

9089 3506 after seeing 3501

9094 3501 error should have precedence

## Release 1.5.1

8799 Invalid command 'setconip'

8852 Secure Netex/BFX initialization complete request

8871 Secure NetEx protocol parameters - clarify the documentation

8872 Protect errno from possible change in log message callback

8903 Potential to hang offer port

## Release 1.5

8709 Provide CONIP for allowed connect from IP address

## Release 1.4

8531 Host name resolution

8583 Add CONNTO for connect timeout

8615 Add feature to restrict the inbound connection to a list of from IP Addresses

## Release 1.3

8166 initialization is misspelled in the code

8188 Buffer overflow in data conversion

8196 Add the svn Repo info to the release levels

8222 Spin loop in h214 with bad file descriptor

8225 remove set ac(1) from link. This does not req. authorization

8304 Allow configuration of SSL protocol

8329 Hostnames of all Numbers does not work; should be documented

8360 allow RACF keyring

8392 Allow printable characters for hostname and offername

8443 Ability to load custom Character Conversion Tables

## Release 1.2

7915 Additional comments about building Secure applications on zOS

7916 Add diagnostic info to THREAD, GSKLESK

8007 SNXMAP did not detect select error

8008 Set NRBSTAT on wait que NRBS during session cleanup

8009 Run eat/gen using netex max block

8010 RFCLEANUP in read processing no longer hangs application

8011 3506 errors are no longer retried

8019 No PRODCONF or LOCCODES samples created during install

- 8030 Add process name in GSK\_TRACE\_FILE messages
- 8036 Add multihost support in Secure NetEx
- 8040 Add secure to SHOW HOST display
- 8049 Implement tlsv1\_1 and tlsv1\_2 protocol
- 8118 Add FIPS mode to SNXMAP configuration
- 8150 Allow tuning of cipher list
- 8158 Sync code conversion tables between Hxx4 and H210



# Known Issues

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Only one Secure NetEx may be running on a stack or LPAR. Customers must stop an instance of Secure NetEx before starting another.