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H620IP NetEx/IP™

for IBM AIX Operating Systems

Release 7.0.4

Memo To Users

October 2016

Introduction

The H620IP product implements the host based NetEx/IP product for IBM RS6000 AIX 6.1.x through 7.1 operating systems.

This product has been tested with AIX 7.1 .

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

Related Documentation

Additional information about this NetEx/IP software may be found in the following:

- *NetEx/IP for Unix Systems Release 7.0.4 Software Reference Manual*
- *"C" Configuration Manager and NetEx® Alternate Path Retry (APR) Release 5.2*

Service Notes

This code has been tested on AIX 7.1.

New Features

New license key structure requires customers to obtain a new key from <u>support@netex.com</u> beginning with release 7.0.1.

This release supports for SMIT utility.

NetEx/IP defaults are set for optimal performance in the ntx_default file. It is recommended that existing customers merge their changes into the new ntx_default.samp file.

Product file paths beginning with release 7.0.1 have changed from previous releases. Directories referenced in documentation of previous releases are not applicable to the current release.

Installation Notes

Refer to the installation section in the NetEx/IP for Unix Systems Release 7.0.4 Software Reference Manual

Update Summary

7.0.4

The following table summarizes the maintenance fixes and enhancements included with this release . There is a new Configuration Manager Release 5.3 in this release as well.

Ticket	Summary
7437	Netex startup - improvement to reduce delay when not using DNS
7430	Clean up ntxoper parser to avoid accidental exits
7423	Correct Netex failure to start on initial installation
7413	Netex now supports log files over 2GB
7406	Improve error checking when processing ntx_default file
7392	Support hex/oct numbers in ntxoper commands
7385	Display IP specific now check for valid GNA
7378	Enhancements to ntxoper help
7374	ntxoper set prefprot now validated
7367	Consistent parsing for display [n|s|t] all
7360	Clarified use of clear iproute command in ntxoper help
7346	Consistency in drain/start ntxoper commands
7339	Consistent use of GNA in operator commands
7332	RCVDATAQHx can no longer be set lower than RCVDATAQLx
7309	Improved error handling in NetEx API
7305	Corrected command messages to display correct user and netex names
7291	PAM file can now be modified when NetEx is running
7280	Do not allow empty remote ntxoper commands
7274	Netex now correctly processes DOS format ntx_default files
7265	Ntxoper output truncated if too large for configured parameters
7254	Change default msgsyslog setting to use msglog only
7244	segsize cannot be set below a workable minimum
7213	Remove tranmax parameter in ntxoper set help

7114   Removed unlicensed parameters in ntxoper output

7099   Insure ntxoper command output less than 70 characters

6506   Session Manager no longer ends when max sessions exceeded

6491   Drain adapter by IP address removed

6418   Provide useful and consistent information in the display commands

6387   Use of groupname is now configurable during a connection

6350   Implement drain path feature

6134   APR over drained paths or hosts in a group

6077   Netex properly performs a remote oper cmd to a host that has one path but disabled adapter

5863   Remove the ntxrmtop support - this functionality is available in ntxoper

5856   Log message "Local NCT entry not defined as PROTOCOL=4" has been removed

5850   Enhance ntxoper client command processing

7.0.1

Besides the change in the license key structure, there were a number of bug fixes and cleanup. There is a new Configuration Manager 5.1 in this release as well.

Ticket 3014   Change the NetEx defaults for maxses to 32 and msglvl to interesting

Ticket 3214   NetEx slow throughput with small segs and no delay

Ticket 5347   Updated ntxeat/ntxgen utilities to be more comprehensive

Ticket 5414   Memory overlay causing unpredictable results

Ticket 5503   Programmed NetEx defaults not used if no default file

Ticket 5517   Added support for AIX SMIT utility

Ticket 5526   NTXOPER help file missing rmt command

Ticket 5527   Error message is missing status code field is garbage

6.6.4

1. There are three new parameters available in the NTX_DEFAULT file:

    ROPCLASS (Remote Operator Class) – May be set to A or G. "A" will allow privileged instructions such as SET, HALT, etc. to be issued via the remote operator facility. "G" only allows non-privileged operator commands (DISPLAY, etc.). The default setting is "G".

    NODNS – When set to 1 (true), NetEx/IP will skip DNS lookups when the PAMFILE is read. The default is 0 (false). This is only useful if the user intends to ONLY use the "SET IPROUTE" command to manually map toGNA addresses to toIP addresses.

PREFPROT – Defines the default preferred protocol type to use when connecting to hosts that support multiple NetEx/IP protocol types. Valid values are 2 or 4. Default is 4.

2. There are three new NetEx/IP operator commands:

   <u>HALT A</u>dapter <uuss> - Command to halt local or remote adapters.

   <u>ST</u>art <u>A</u>dapter <uuss> - The operator may start an adapter that is halted to NetEx/IP.

   <u>D</u>isplay <u>HALTED</u> - The operator may display a list of halted adapters.

3. The driver initialization has been changed to properly keep track of whether or not the software is in local loopback mode.

4. The code conversion table handling has been corrected for problems seen at some customer sites.

5. A correction has been made to speed up the processing of batched operator commands.

6.0-6.6.0

1. Correct transport disconnects, to prevent sessions hanging for deadtime.

2. Protocol 4 corrections.

6.0-6.5.8

1. Driver fixes - properly handle both output & input completions.

2. Allow multiple local/remote adapters with same netaddr.

3. Numerous NetEx/IP operator command additions.

4. Corrected APR logic to use proper segment sizes talking with hosts with non-standard word sizes (Unisys).

5. Protocol 4 corrections.

6.0

1. Added NetEx/IP protocol 4 support.

2. Added software licensing code.

Release 5.0 2000/11 N2B1

1. Rel. 3.5 with IP support

2. New "ntx_default" parameters – iprecv, ipsend, ipchksum, ip1intrf, and cctable.

3. New NetEx/IP operator commands (details in Reference Manual change pages):

   - <u>D</u>isplay <u>IP</u>route [GNA | all]

   - <u>C</u>lear <u>IP</u>route [GNA | all]

   - <u>S</u>et <u>IP</u>route GNA ip-address

4. The code conversion table can now be modified without a recompile.