



NESiGate
Memo to Users

Release 2.8.1

Revision Record

Revision	Description
01 (Aug 2003)	Release of NESiGate Memo to Users to correspond with a new version of Linux and new NESiGate software – Release 2.6.
02 (Feb 2004)	Miscellaneous corrections and additions.
03 (June 2005)	Software RAID added during install
05 (Jan 2006)	Updated for release 2.7.5.
06 (Feb 2006)	Updated for release 2.7.6
07 (May 2006)	Updated for release 2.7.6.1
08 (Oct 2006)	Updated for release 2.8
09 (Dec 2006)	Updated for release 2.8.1

© 2003-2006 Network Executive Software, Inc. Reproduction is prohibited without prior permission of Network Executive Software. Printed in the U.S.A. All rights reserved.

The U.S. Department of Commerce restricts the distribution of technical information contained in this document when exported outside the U.S. Therefore, careful attention should be given to compliance with all applicable U.S. Export Laws if any part of this document is to be exported.

Table of Contents

Revision Record	2
Table of Contents	3
Copyrights and Trademarks	4
Notice to the Customer.....	5
NESiGate Modification Policy.....	5
Release Notes	6
NESiGate Release 2.8.1 fixes, corrections, and service notes.....	6
NESiGate Software release 2.8.1	8

Copyrights and Trademarks

This document may contain references to the trademarks of the following corporations.

Corporation

Trademarks

International Business Machines

Netfinity®, ESCON®

Unisys Corporation

SBCON

Note: RedHat® is a registered trademark of Red Hat, Inc. This product is not a product of Red Hat, Inc. and is not endorsed by Red Hat, Inc. This is a product of Network Executive Software, having no relationship with Red Hat, Inc.

Additional trademark references:

Linus Torvalds

Linux®

GCOM

Syskonnnect

Notice to the Customer

Comments about this Memo may be submitted via email to pubs@netex.com or by submitting comments through the support request form on 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/services/supportpolicy.html>.

Details on Network Executive Software's warranty and support policies specific to NESiGate may be found at <http://www.netex.com/services/warrantyNG.html>.

NESiGate Modification Policy

NESiGate is an appliance that contains proprietary software and firmware. Modifications to the software, firmware, or hardware platform that are not specifically authorized by NESi are prohibited.

Examples of prohibited activities include (but are not limited to) the following items:

- Installing other software on NESiGate
- Modifying the file system (including adding, deleting, or moving files and/or directories, or changing permission levels, ownership, or other attributes of files and/or directories)
- Adding or deleting user accounts
- Starting or stopping system services
- Adding or removing hardware components

Any unauthorized modifications to NESiGate 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.

Release Notes

This document contains any last minute information for the NESiGate products. Please follow the instructions in the NESiGate manuals.

NOTE: NESiGate R2.8.1 is a new product release that must be installed on NESi's NESiGate operating system R2.7.2.

Updated versions of the product manuals are contained on the CD.

NESiGate Manuals:

Product Name	Alias	Manual
Channel Adapter	Host	NG-CA.pdf
Channel Offload	Emsg	NG-CO.pdf
Gateway	Hcg	NG-HG.pdf
LAN Offload	Tnp	NG-LO.pdf
Software Install		NG-SW.pdf
Trouble Shooting		NG-TS.pdf

NESiGate Release 2.8.1 fixes, corrections, and service notes.

1. A new NESiGate license key is required if updating to any Rel 2.8 version from previous versions. Prior to installation, follow the procedure in the NESiGate Installation Guide to obtain a new product license key.
2. The NESiGate Command Line Interface (CLI) and Web Browser Configuration Pages do not support the ability to specify configuration options for the Broadcom and 3COM Ethernet network interfaces, which may exist in some NESiGate appliances. Configuration options such as MTU size, autonegotiate, and duplex mode, only need to be specified if the default value needs to be overridden to match a site specific requirement. Due to this configuration limitation, as part of the planning process prior to actually upgrading any existing NESiGate appliances, the best thing to do is to first obtain a 'getdiaginfo' from each of your NESiGate appliances, and upload them to ftp.netex.com, where they will be reviewed by Support personnel to determine if special guidance will be required to perform the upgrade. The procedure for running 'getdiaginfo' and uploading the captured file to Network Executive Software can be found in the NESiGate Installation Guide.
3. For both NG-CA and NG-CO NESiGates, the following message will appear in the channel log file:

pbsa4: ioctl error from cidIoctlCommon rc = x3ef

This message may appear multiple times and is normal.

4. The following CLI commands have been added:

```
showMeminfoAll  
showMeminfoTail  
showTopinfoAll  
showTopinfoTail  
runEatGen  
KillEatGen  
cfgRootAccess  
showRootAccess  
cfgHTTP  
showHTTP  
suroot  
resetPassword
```

NESiGate Software release 2.8.1

The current software and component revision levels for this release of NESiGate are:

Software Product	Revision Level
CA (host)	1.8.8
CO (emsg)	1.8.7
LO (tnp)	1.8.2
HG (hcg)	1.8.4
Html	1.8.7

Components	Revision Level
Channel	1.5.5
Router	1.4.4
IP I/F	1.3.3
Control	1.5.8
HCG	1.3.5
Emsg	1.4.11
TNP	1.4.5
WWW	1.5.0
NCT Ldr	1.2.2
Streams	2.16.13
NETEX	6.6.5
Nmodutils	1.1.1
DNS	1.1.1
Bios	1.3.3
PBCA3 Channel API	5.5.6
PBSA3 Channel API	5.5.6
PBSA4 Channel API	6.0.1
PBCA3 FW	2025
PBSA3 FW	2025
PBSA4 FW	1423