

Addendum to the Release Notes for the 1.3 Software Release for Accelar 1000 Series Products

Software Release 1.3.6

4401 Great America Parkway
Santa Clara, CA 95054

8 Federal Street
Billerica, MA 01821

Part No. 204767-H
July 1999

NORTEL
NETWORKS™



* 2 0 4 7 6 7 - H *

Copyright © 1999 Nortel Networks

All rights reserved. Printed in the USA. July 1999.

The information in this document is subject to change without notice. The statements, configurations, technical data, and recommendations in this document are believed to be accurate and reliable, but are presented without express or implied warranty. Users must take full responsibility for their applications of any products specified in this document. The information in this document is proprietary to Nortel Networks NA Inc.

Trademarks

NORTEL NETWORKS is a trademark of Nortel Networks.

Bay Networks is a registered trademark, and Accelar, BayStack, and LinkSafe are trademarks of Nortel Networks.

Microsoft and Windows are registered trademarks of Microsoft Corporation.

All other trademarks and registered trademarks are the property of their respective owners.

Statement of Conditions

In the interest of improving internal design, operational function, and/or reliability, Nortel Networks NA Inc. reserves the right to make changes to the products described in this document without notice.

Nortel Networks NA Inc. does not assume any liability that may occur due to the use or application of the product(s) or circuit layout(s) described herein.

Introduction

This release note addendum for Accelar software release 1.3.6 describes the enhancements and bug fixes to the Nortel Networks™ Accelar™ software that have been implemented since release 1.3.5. This document is an addendum to the *Release Notes for the Accelar 1000 Series Products Software Release 1.3* (Bay Networks® part number 896-00181-D). For information about the changes between releases 1.3.1 and 1.3.5, refer to *Addendum to the Release Notes for the 1.3 Software Release for Accelar 1000 Series Products* (Bay Networks part numbers 204767-B through 204767-G).

Software release 1.3.6 includes updates to the run-time software. The latest software component is Run-Time Software version 1.3.6 (acc1.3.6).

Software release 1.3.5 uses Boot Monitor Software version 1.3.5 (accboot1.3.5) and is managed by Device Manager and VLAN Manager version 1.3.4 or higher (dm_134.exe for Windows® and dm_1.3.4.tar.z for UNIX).



Caution: Before upgrading your software from either version 1.3.0 or version 1.3.1, back up or save your current configuration file. The version 1.3.6 configuration files contain configuration options that are not compatible with 1.3.0 and 1.3.1 run-time images. It is important to back up or save the current configuration file before upgrading in case you must revert to a previous version of the run-time image.



Note: Software release 1.3.4 and higher resolves a situation in ARU3 (-B version) hardware that causes connectivity problems. Although software release 1.3.3 does include support for the ARU3 (-B version) hardware in ARU2 mode, Nortel Networks recommends that you use only release 1.3.4 or higher. In order to use the new ARU3 functionality, such as IPX routing, software release 2.0 or higher is required.

Refer to the version 1.3 release notes for instructions to download the software. Those release notes were provided in hard copy with the 1.3 software. You can also find the release notes on the 1.3.1 Software CD and on the Nortel Networks Customer Service Documentation Web page (<http://www.nortelnetworks.com/library/tpubs/nav/rtswitch/accelar.htm>).

This addendum includes the following sections:

- [SSF Module Memory Upgrade](#) (this page)
- [Bugs Fixed in Release 1.3.6](#) (this page)
- [Known Issues in Release 1.3.6](#) (page 4)

SSF Module Memory Upgrade

The new XLR1298SF Silicon Switch Fabric (SSF) module has 32 megabytes (MB) of dynamic random access memory (DRAM). Although release 1.3.6 does not require 32 MB of DRAM, if you will be using a 4 MB RMON buffer or are in a large OSPF routing environment and your switch SSF module is an XLR1297SF module with only 16 MB of DRAM, Nortel Networks recommends that you either reduce the size of the RMON buffer or upgrade your SSF module to increase memory size for improving performance. A memory upgrade kit (AA0011017) is available for the XLR1297SF module to increase DRAM to 32 MB.

Bugs Fixed in Release 1.3.6

The following sections list bugs that were fixed in release 1.3.6.

General

The following general bugs were fixed in this release:

- Intermittent failures to save the configuration to NVRAM as indicated by an error message were corrected. (102058)
- The Gigabit LinkSafe™ module failover now continues to function properly after the standby port is administratively enabled as the primary connector. (102388)
- Out-of-memory situations are handled properly and tracked by trace messages. (103349)

IP Routing

The following IP routing bugs were fixed in this release:

- Disabling traffic filters will no longer cause inconsistency and consistency error messages. (98218)
- The default route now will follow the next-hop device when it is moved to another port. (102603)
- IP host addresses now are properly resolved on IP subnet-based VLANs, thus fixing an intermittent problem. (102813, 102822)
- ARP replies with the same IP address as the Accelar interface are now discarded. (103083)
- The maximum cost of a static route was raised from 15 to 65,535 in the CLI. (103826)
- The ARU now is updated correctly after receiving new RIP information with a different metric. (103986)
- Routed traffic no longer gets forwarded to the CPU after receiving data from the same source IP address from different redundant paths. (104002)
- Local IP traffic for nonexistent or aged-out hosts will no longer be forwarded to the default router. (105488)



Note: Bug fixes 104002 and 105488 are intended for ARU2 (-B version) or higher hardware.

MLT

The Command Line Interface (CLI) now removes the correct VLAN from a Multi-Link Trunking (MLT) group. (92297, 104697)

Known Issues in Release 1.3.6

The issues listed in the following sections are known to exist in release 1.3.6.

General

The following general issues exist in this release:

- Duplicate messages are sent to the syslog daemon. (100148)
- InNUncastPkts is not incrementing. (102836)

MLT

The following issues related to MLT exist in this release:

- When an Accelar routing switch is connected to a BayStack™ 450 switch over MLT, connectivity issues can occur when STP is toggled between “Normal Learning” and “Fast Learning” on the BayStack 450 switch. (99413)
- FreeMcastGroup is not updated dynamically when MLT groups are removed. (100520)