

Addendum to the Release Notes for the 2.0 Software Release for Accelar 1000 Series Products

Software Release 2.0.1

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NETWORKS™



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Introduction

This release note addendum for Accelar™ software release 2.0.1 describes the enhancements and bug fixes to the Bay Networks® Accelar software that have been implemented since release 2.0. This document is an addendum to the *Release Notes for the Accelar 1000 Series Products Software Release 2.0* (Bay Networks part number 896-00181-E). The 2.0 Release Notes are available on the 2.0 Software CD and on the Nortel Networks Customer Service Documentation Web page.

Software release 2.0.1 includes updates to the run-time, boot monitor, Device Manager, and VLAN Manager software. The latest software components are:

- Run-Time Software Version 2.0.1 (acc2.0.1)
- Boot Monitor Software Version 2.0.1 (accboot2.0.1) supplied as a Boot Monitor Updater
- Device Manager Version 2.0.1 (for Windows 95/98/NT: dm_201.exe; for UNIX: dm_2.0.1.tar.Z)
- VLAN Manager Version 2.0.1 (for Windows 95/98/NT: dm_201.exe; for UNIX: dm_2.0.1.tar.Z)

For instructions to download the software, refer to *Upgrading to Accelar 2.0 Software* (Bay Networks part number 206077-A) found on the documentation CD and on the Nortel Networks Customer Service Documentation Web page. For descriptions of Accelar Release 2.0 software features and limitations, refer to the 2.0 Release Notes (part number 896-00181-E).



Note: Many of the new features in release 2.0 and above require modules and chassis (Accelar 1100/1150 routing switches) to be -B versions or above with ASICs that are ARU3 or above. Hardware with ARU1 or ARU2 ASICs does not support these features.

For the latest information about software issues, always refer to the Accelar Products site from the Nortel Networks Web page (www.nortelnetworks.com) or contact Nortel Networks Customer Support at 1-800-2LANWAN.

This addendum includes the following sections:

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Recommendations and Information About Release 2.0.1

Note the following recommendations and miscellaneous information about Accelar software release 2.0.1:

- The new XLR1298SF SSF module has 32 megabytes (MB) of dynamic random access memory (DRAM). Although release 2.0 and 2.0.1 do not require 32 MB of DRAM, if you will be using RMON or are in a large OSPF routing environment and your switch SSF module is an XLR1297SF with only 16 MB of DRAM, you should upgrade your SSF module to increase memory size and improve performance. A memory upgrade kit (AA0011017) is available for the XLR1297SF to increase DRAM to 32 MB.
- If you have configured IPX parameters, but are not currently using IPX routing, reducing IPX parameters will conserve switch memory. Set IPX maximum route, sap, static route, and static sap entries to the minimum values using the following CLI commands:
 - `config ipx set max-route 128`
 - `config ipx set max-sap 64`
 - `config ipx set max-static-route 64`
 - `config ipx set max-static-sap 32`

After resetting the parameters, save the configuration and reboot the switch.

- Always set a specific enforced operational configuration (eoc) mode (refer to 2.0 Release Notes for more information) instead of allowing the default eoc mode (which is to the lowest level module in the switch) in order to avoid losing functionality in case a lower revision module is installed in the switch.
- Terminology has been modified in Device Manager and the CLI so that “trunk” is used only in reference to Multi-Link Trunking. What were previously referred to as *trunk ports* (in contrast to access ports) are now referred to as *tagged ports*.

New Features and Enhancements

Accelar software release 2.0.1 adds support for additional types of onboard flash memory on the silicon switch fabric (SSF) modules. These changes do not affect the user interface or any other Accelar modules, and there are no changes in capacity or functionality of the flash memory supported in this release.

Bugs Fixed in Release 2.0.1

The following sections list bugs that were fixed in Accelar software release 2.0.1.

General

This release resolves a situation where Gigabit modules could lock up under heavy multicast traffic.

IP

Internet Protocol (IP) datagrams with a wrong “Total Length” directed to the switch are now discarded by the switch. (95456)

IPX

The following IPX bugs were fixed in this release:

- When learning the same Internetwork Packet Exchange (IPX) net using different paths with the same cost, the routing switch will no longer continuously alternate traffic between those paths. It will now use the path first learned as long as that path remains valid and the lowest cost.
- IPX Route information displayed from the CLI and from DM is now the same for equal cost routes. In some previous situations, the information displayed was not the same.
- RIP and SAP updates are now transmitted at the configured rate.
- Triggered updates now respect split horizon.
- IPX routes are now properly deleted from the routing table.

VLAN Manager

In VLAN Manager, when you select Create VLAN > Type, the correct VLAN type selection is now highlighted. (100232)

Known Problems in Release 2.0.1

For a list of Known Problems, refer to the *Release Notes for the Accelar 1000 Series Products Software Release 2.0* (Bay Networks part number 896-00181-E).