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

Software Release 1.3.3

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Introduction

This release note addendum for Accelar software release 1.3.3 describes the enhancements and bug fixes to the Bay Networks® Accelar™ software that have been implemented since release 1.3.2. 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 release 1.3.1 and 1.3.2, refer to *Addendum to the Release Notes for the 1.3 Software Release for Accelar 1000 Series Products, Software Release 1.3.2* (Bay Networks part number 204767-D). For information about the changes between release 1.3 and release 1.3.1, refer to the *Addendum to the Release Notes for the 1.3 Software Release for Accelar 1000 Series Products, Software Release 1.3.1* (Bay Networks part number 204767-C).

Software release 1.3.3 includes updates to the run-time software. The latest software components are:

- Run-Time Software version 1.3.3 (acc1.3.3)
- Boot Monitor Software version 1.3.2 (accboot1.3.2)

Caution: Always use Boot Monitor Software version 1.3.2 in combination with run-time image version 1.3.2 or above. The Boot Monitor Software version 1.3.2 is not compatible with run-time image versions prior to 1.3.2.

Software release 1.3.3 can be managed by Device Manager and VLAN Manager version 1.3.4 (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 1.3.3 and version 1.3.2 configuration files contain new configuration options, which 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.

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 Bay Networks Customer Service Documentation Web page.

Note: The default IP behavior changed beginning with version 1.3.2 and is carried over into this release, version 1.3.3. Refer to *Addendum to the Release Notes for the 1.3 Software Release for the Accelar 1000 Series Products, Software Release 1.3.2*, pages 2 and 3, for full details of the new IP behavior. The IP behavior changes have major implications for IP, management, and routing protocols.

This addendum includes the following sections:

New Features and Enhancements

The following new features and enhancements were added in release 1.3.3:

- Support for new ARU3-based I/O modules (both 10/100 Mb/s Ethernet and Gigabit Ethernet) in *ARU2 mode only.*

  To use the new ARU3 functionality, such as IPX routing, you will need software release 2.0 for the Accelar 1000 Series products.

- RIP updates are now generated from a separate, prioritized task. This new process guarantees that RIP updates are sent out even under conditions of heavy broadcast load. (92426)

Device Manager 1.3.4 Functionality

Device Manager version 1.3.4 contains the following changes and new functionalities:

- You can configure the new IP behavior introduced with version 1.3.2 through Device Manager.
- Device Manager now has the correct graphical representation of the 1208FL-B I/O modules.

Bugs Fixed in Release 1.3.3

The following bugs were fixed in release 1.3.3:

- Toggling DHCP on a port no longer disables that port's ability to join a VLAN. (89557)

  The software now checks whether the port is an IRP before attempting to enable DHCP.
- OSPF announce policies no longer "leak" external route information into LSDB. (91907)
- ARP entry mismatches in VRRP environments are corrected. (91573, 91124, 95894)
- IP global filters no longer cause the routing switch to crash after reset. (92168)
- You can create multiple Source or Dest filters with the same address and mask length. (95751)
- IP global filters now take effect after rebooting the routing switch. (94316)
- Area range entries are properly summarized into the backbone area. (91449)
- Loading a configuration after reset in which the RMON history uses more than the available RMON memory no longer causes the Accelar routing switch to crash with "assertion" error. (93738)
- The relay agent in the routing switch now broadcasts DHCP server replies when the broadcast flag is set. (90926)

- The Accelar routing switch no longer generates unnecessary “Bogus IpErrorCode” messages. (92614)
- ARP aging timer changes from CLI now take effect immediately. (93331)
- Swapping stations between ports no longer causes ARP table inconsistency and erroneous connectivity. (89807, 94431)
- Frame buffers are now properly released after receiving BootP requests with a source port of 67. (93316)
- ICMP packets with TTL of 0 no longer get routed with TTL of 255 and a bad checksum. (90762)
- In ARU2 mode, the CPU is no longer added to the multicast group when enabling an IP address. Not adding the CPU avoids unnecessary broadcasts being sent to the CPU on routed VLANs with trunk ports (92103, 92169, 94654)

  Implementing this change requires using ARU2-based hardware.
- When a card is removed from a chassis, IP filter configurations for ports on cards following the removed card are still saved. (94399)
- RMON etherHistoryUtilization no longer remains 0 after RMON save and reboot. (93701, 90597)
- Multiple policy-based VLANs can now exist on the same MLT access port. (91835, 92288)
- MLT configurations for IP subnets or protocol-based VLANs can now be saved to NVRAM. (92287)
- When routing traffic or replying to pings, the routable VLAN no longer responds with the MAC address of the port the station is attached to; it uses the MAC address of the VLAN. (94655, 95472)
- An SNMP trap receiver can now be set when no route to destination exists. (91885)
- You can configure “trusted host” addresses with 0 in the second or third octet of the host address. (92962)
- Frame buffers are no longer lost if non-SNMP packets do not match any access policy(ies).

- When a 10/100 TX/FX port is administratively disabled, it will now bring down the link.
- Auto virtual links are activated immediately; you no longer need to disable and then enable OSPF. (91349)
- The routing switch no longer crashes when plugging in a cable after creating a port-based VLAN with no ports connected and “Advertise When Down” is enabled. (95822)
- TFTP file transfer now uses smaller blocks of data when writing to flash memory. (96461)

  Using smaller blocks of data avoids slowdowns of CPU-generated traffic.

Known Issues in Release 1.3.3

The following issues are known to exist in release 1.3.3:

- Multi-Link Trunking 802.1Q trunks are currently supported only for a single spanning tree group. Connectivity failures may result if an 802.1Q tagged MLT is configured for multiple spanning tree groups in this release. (90775)
- Fragmented OSPF packets do not get reassembled. (90895)
- When routing, the Accelar switch does not discard datagrams with a bad destination IP address. Instead the switch sends an ICMP destination unreachable message. (85280)
- When used as a router, the Accelar switch responds to datagrams that have a bad source IP address. (85281)
- After a failed save to NVRAM (such as with a configuration that is too large), the NVRAMUsed value indicates 0 (zero) K used. (85632)

  To recover from this state, perform a successful save to NVRAM or reset the switch.
- Syslog stops sending messages to the host if the local log file gets too full or otherwise cannot write to the flash file system. (85398)

- Under specific conditions of unique traffic patterns at high frame rates, a temporary condition of high CPU utilization may occur, which could temporarily affect other switch operations. The condition can occur if a high level of routable IP packets transmitted by hosts residing on an ingress port of a local routable VLAN are destined for a remote network and the packets are layer 2 switched to a remotely attached router and then routed back through the same switch in which the client resides. (89959)
- Receiving IP datagrams with a wrong “total Length” can cause the switch to crash. (95456)
- Administratively bringing down a port within an MLT group causes local ARP entries to be cleared. (96038)
- BPDUs are forwarded over all links of an MLT group when spanning tree is disabled. (95421)
- A port “flapping” in an MLT group causes BPDUs to be sent out irregularly on all ports. (96527)
- Accelar routing switches and Bay Networks routers currently do not interoperate for VRRP. (91960).
- VRRP counters are not incrementing. (97619)
- VRRP relationship forms between pairs even if interval is mismatched. (97618)