

Patch Release Note

Patch SB244-01 For SwitchBlade 4000 Series Switches and AT-9800 Series Switches

Introduction

This patch release note lists the issues addressed and enhancements made in patch SB244-01 for Software Release 2.4.4 on existing models of SwitchBlade 4000 Series Switches and AT-9800 Series Switches. Patch file details are listed in Table 1.

Table 1: Patch file details for Patch SB244-01.

Base Software Release File	sb-244.rez
Patch Release Date	23-Oct-2002
Compressed Patch File Name	sb244-01.paz
Compressed Patch File Size	84666 bytes

This release note should be read in conjunction with the following documents:

- SwitchBlade Documentation Set for Software Release 2.4.3 (Document Number C613-03042-00 Rev E) and Release Note for Software Release 2.4.4 for SwitchBlade 4000 Switches and AT-9800 Series Switches (Document Number C613-10342-00 Rev A) available on the Documentation and Tools CD-ROM packaged with your switch, or from www.alliedtelesyn.co.nz/documentation/documentation.html.
- AT9800 Series Switches Documentation Set for Software Release 2.4.3 (Document Number C613-03044-00 Rev B) and Release Note for Software Release 2.4.4 for SwitchBlade 4000 Switches and AT-9800 Series Switches (Document Number C613-10342-00 Rev A) available on the Documentation and Tools CD-ROM packaged with your switch, or from www.alliedtelesyn.co.nz/documentation/documentation.html.



WARNING: Using a patch for a different model or software release may cause unpredictable results, including disruption to the network. Information in this release note is subject to change without notice and does not represent a commitment on the part of Allied Telesyn International. While every effort has been made to ensure that the information contained within this document and the features and changes described are accurate, Allied Telesyn International can not accept any type of liability for errors in, or omissions arising from the use of this information.

Features in SB244-01

Patch SB244-01 includes all issues resolved and enhancements released in previous patches for Software Release 2.4.4, and the following enhancement:

PCR: 01285 Module: OSPF Network affecting: No

When an interface went down (or was disabled) on an AS border router, the external routes were not removed from the routing domain. Such routes are now removed by premature aging.

PCR: 02353 Module: SWI Network affecting: No

The learning unit was locking under heavy load. This could result in pings to a network device failing, and over an hour all dynamic MAC addresses could be lost. Sometimes a large number of pause frames were generated by the system. This issue has been resolved.

PCR: 02359 Module: IPG Network affecting: No

When an IP Multihomed interface was used as an OSPF interface, neighbour relationships were only established if the IP interface for OSPF was added first in the configuration. Now, OSPF establishes neighbour relationships regardless of the IP Multihomed interface configuration order.

PCR: 02361 Module: SWI Network affecting: No

The SwitchBlade mirror port field on the second instance of a switch chip was displaying as though it was the first instance. This issue has been resolved.

PCR: 02394 Module: IPG, SWI, DVMRP Network affecting: No

The following issues have been resolved:

- IP route updating was not working correctly
- IGMP snooping behaviour was incorrect
- The SHOW DVMRP FORWARDING command displayed incorrect port numbers.

PCR: 02396 Module: DHCP Network affecting: No

DHCP RENEW request messages are now unicast (as defined in the RFC), not broadcast.

PCR: 02397 Module: DVMRP Network affecting: No

After a prune lifetime had expired, the interface was not joined back to the DVMRP multicast delivery tree. This issue has been resolved.

PCR: 02398 Module: IPV6 Network affecting: No

The following issues have been resolved:

- It was possible to assign the same network on different IPV6 interfaces
- The loopback address was being added to other interfaces
- The tunnel configuration was not showing correctly in IPV6 configuration commands
- RIPv6 now sets the metric of routes for interfaces that are DOWN to 16, and immediately sends responses when the link status of VLAN interfaces changes.

- PCR: 02401** **Module: IPV6** **Network affecting: No**
Neighbour discovery and PIM6 caused a fatal error when IPv6 was not enabled, or when the IPv6 feature license was not present. This issue has been resolved.
- PCR: 02406** **Module: IPV6** **Network affecting: No**
A Router-Alert option has been added. Also, the SHOW IPV6 MLD INTERFACE command now works correctly.
- PCR: 02407** **Module: IPG** **Network affecting: No**
ICMP was sending too many messages back as responses to fragmented packets. This issue has been resolved.
- PCR: 02409** **Module: IPG** **Network affecting: No**
A warning now appears when the DELETE IP INTERFACE command is executed before the DELETE DVMRP INTERFACE command.
- PCR: 02410** **Module: VRRP** **Network affecting: No**
VRRP pre-empt mode was not working with advertisement updates of 1 second or more because this did not allow for interface start time on startup. Now a check is made to verify that interfaces are UP before timers are started.
- PCR: 02413** **Module: IPG, IPX2** **Network affecting: No**
Static IP ARP entries could not be added to hardware at boot time. Also, an IPX circuit could not be deleted from hardware. These issues have been resolved.
- PCR: 02416** **Module: DVMRP, IPG** **Network affecting: No**
Multicasting forwarding was not working correctly. This issue has been resolved.
- PCR: 02417** **Module: VLAN, IPG** **Network affecting: No**
The IGMP port list was not updating correctly when a port went down. This issue has been resolved.
- PCR: 02418** **Module: IPV6** **Network affecting: No**
ICMPv6 was returning an error for non-zero fragment offsets. This issue has been resolved.
- PCR: 02415** **Module: IPG** **Network affecting: No**
Packets with a RIP source address and next hop address that are not on the same subnet as the interface will now be processed. If the received next hop is not on the same subnet, it is treated as 0.0.0.0.
- PCR: 02420** **Module: SWI** **Network affecting: No**
On GBICs, the link was forced up when the transmit fibre was removed. Once up, the link could not be taken down again by removing the transmit fibre. This issue has been resolved.

PCR: 02423 Module: SWI Network affecting: No

IGMP messages sometimes caused a fatal error. This issue has been resolved.

PCR: 02425 Module: IPG Network affecting: No

Multicast downstream groups are now added and deleted correctly.

Errata

AT-9800 Series Switches do not have Ethernet interfaces (for example, eth0). Previously released documentation incorrectly states that these interface types are valid. AT-9800 switch ports are Ethernet ports, and these are referenced in commands with the PORT parameter.

IPSec and ISAKMP are not available on the 2.4.4 release for SwitchBlade 4000 Series Switches and AT-9800 Series Switches.

Availability

Patches can be downloaded from the Software Updates area of the Allied Telesyn web site at www.alliedtelesyn.co.nz/support/updates/patches.html. A licence or password is not required to use a patch.