Extreme 9920 Software Release Notes

21.1.2.7

9037267-07 Rev AB
March 2024

Copyright © 2024 Extreme Networks, Inc. All rights reserved.

Legal Notice

Extreme Networks, Inc. reserves the right to make changes in specifications and other information contained in this document and its website without prior notice. The reader should in all cases consult representatives of Extreme Networks to determine whether any such changes have been made.

The hardware, firmware, software or any specifications described or referred to in this document are subject to change without notice.

Trademarks

Extreme Networks and the Extreme Networks logo are trademarks or registered trademarks of Extreme Networks, Inc. in the United States and/or other countries.

All other names (including any product names) mentioned in this document are the property of their respective owners and may be trademarks or registered trademarks of their respective companies/owners.

For additional information on Extreme Networks trademarks, see: https://www.extremenetworks.com/about-extreme-networks/company/legal/trademarks

Open Source Declarations

Some software files have been licensed under certain open source or third-party licenses. End-user license agreements and open source declarations can be found at: https://www.extremenetworks.com/support/policies/open-source-declaration/

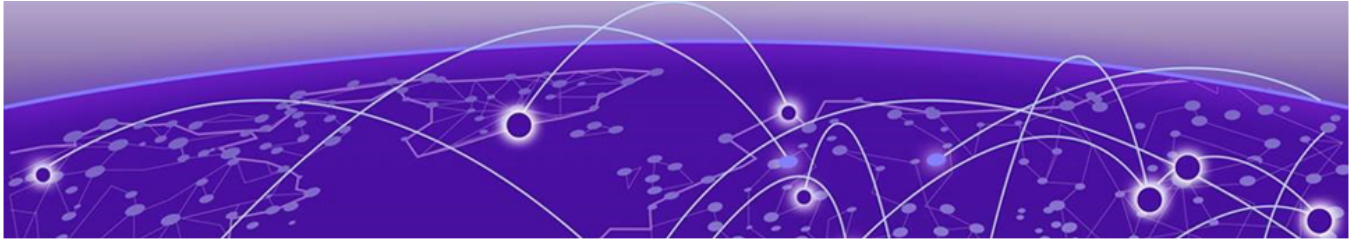


Table of Contents

Release Notes 4

New in this Release 4

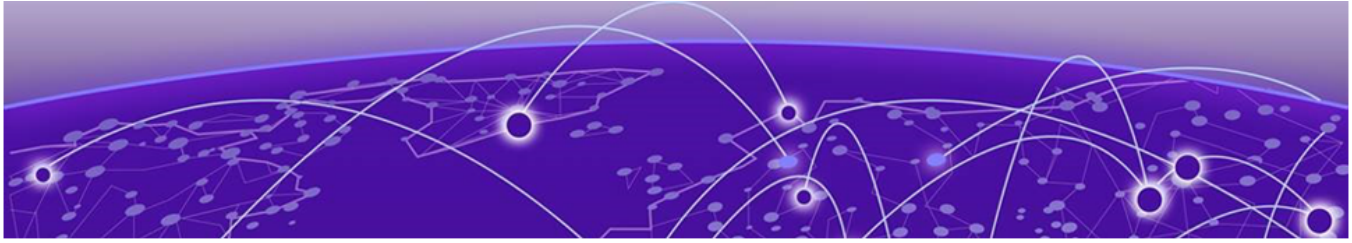
Defects Closed With Code Changes 4

Defects Closed Without Code Changes 9

Open Defects 9

Help and Support 10

Subscribe to Product Announcements 11



Release Notes

New in this Release on page 4
Defects Closed With Code Changes on page 4
Defects Closed Without Code Changes on page 9
Open Defects on page 9
Help and Support on page 10

The NPB software runs the NPB operating system and provides network packet broker functions.

New in this Release

Version 21.1.2.7 of the Extreme 9920 software with the NPB application offers defects fixes.

For more information, refer to Defects Closed With Code Changes on page 4.

Defects Closed With Code Changes

The following defect was closed with code changes in this release of the software.

Parent Defect ID:	NPB-6044	Issue ID:	NPB-6044
Severity:	S3 - Moderate		
Product:	9920	Reported in Release:	NPB 21.1.2.5
Symptom:	LLDP Micro services restarts observed intermittently.		
Condition:	During processing of LLDP received frames at times micro services restarted. This is due to race condition and improper mutex handling.		

Parent Defect ID:	NPB-6046	Issue ID:	NPB-6046
Severity:	S3 - Moderate		
Product:	9920	Reported in Release:	NPB 21.1.2.5

Parent Defect ID:	NPB-6046	Issue ID:	NPB-6046
Symptom:	The chassis status went to degraded temporary for few secs during which the configurations were not allowed to be changed.		
Condition:	The chassis status went to degraded for few secs during which the configurations were not allowed to be changed.		

Parent Defect ID:	NPB-6050	Issue ID:	NPB-6050
Severity:	S3 - Moderate		
Product:	9920	Reported in Release:	NPB 21.1.2.6
Symptom:	QSFP detection failed on certain SR optics		
Condition:	Issue is seen intermittently when QSFP eeprom read fails		

Parent Defect ID:	NPB-6051	Issue ID:	NPB-6051
Severity:	S3 - Moderate		
Product:	9920	Reported in Release:	NPB 21.1.2.5
Symptom:	For some of the ports associated with ingress-groups, the port-sap was not updated in state db but was getting updated only in config db.		
Condition:	Port-sap was not getting updated in state db when the ports are associated with ingress-groups.		

Parent Defect ID:	NPB-6052	Issue ID:	NPB-6052
Severity:	S2 - Major		
Product:	9920	Reported in Release:	NPB 21.1.2.5
Symptom:	Increase in the traffic volume was observed out of few of the egresses		
Condition:	When multiple instances of same routemap were associated with egress group having the same egress. During add/delete operations, the sfc-id was wrongly updated correctly for egress-group, causing higher volume of traffic destined to those sfc-ids and egresses.		

Parent Defect ID:	NPB-6057	Issue ID:	NPB-6057
Severity:	S2 - Major		
Product:	9920	Reported in Release:	NPB 21.1.2.5

Parent Defect ID:	NPB-6057	Issue ID:	NPB-6057
Symptom:	Route map/ACL/Listener policy instances are not allowed to configure more than 4095 sequence ID.		
Condition:	Due to the SDE restrictions only 24 bits are allowed to configure for a Policy entry (combination of ACL and Route-map / listener policy sequence IDs). With this restriction and current design sequence ID is allowed to configure in the range 1 - 4095.		

Parent Defect ID:	NPB-6069	Issue ID:	NPB-6069
Severity:	S2 - Major		
Product:	9920	Reported in Release:	NPB 21.1.2.5
Symptom:	Traffic loss was observed when system was rebooted with replication configurations		
Condition:	When replication configurations were done partially and system was rebooted, the sfc does not point to new path and traffic loss was observed.		

Parent Defect ID:	NPB-6102	Issue ID:	NPB-6102
Severity:	S3 - Moderate		
Product:	9920	Reported in Release:	NPB 21.1.2.6
Symptom:	User was able to enter into config mode for nonexistent interface and still no error/warning thrown to the user.		
Condition:	condition is when the user try to config a non existent interface		

Parent Defect ID:	NPB-6119	Issue ID:	NPB-6119
Severity:	S3 - Moderate		
Product:	9920	Reported in Release:	NPB 21.1.2.6
Symptom:	The output of the CLI 'show inventory slot' was missing few of the critical information that includes the model, serial no, part no of the line card.		
Condition:	On inserting a new line card after the chassis is up or if on removing and reinsert the line card, this issue was seen. As the EEPROM read was happening during the initialization period, it was missing this information.		

Parent Defect ID:	NPB-6160	Issue ID:	NPB-6160
Severity:	S3 - Moderate		
Product:	9920	Reported in Release:	NPB 21.1.2.5

Parent Defect ID:	NPB-6160	Issue ID:	NPB-6160
Symptom:	Traffic matching Listener policy lp_e_vlantag100 was not getting forwarded to egress ports and being received at KPI tools.		
Condition:	Listener policy failed to route incoming packets to high priority rules which has same ACLs but different VLAN IDs.		

Parent Defect ID:	NPB-6177	Issue ID:	NPB-6177
Severity:	S3 - Moderate		
Product:	9920	Reported in Release:	NPB 21.1.2.6
Symptom:	Memory utilization of 9920 keeps increasing, eventually resulting into device reboot.		
Condition:	This issue occurs when 9920 is managed by XCO.		

Parent Defect ID:	NPB-6179	Issue ID:	NPB-6179
Severity:	S3 - Moderate		
Product:	9920	Reported in Release:	NPB 21.1.2.5
Symptom:	TX laser is on even with admin down on LR optics		
Condition:	Always reproducible on LR optics		

Parent Defect ID:	NPB-6181	Issue ID:	NPB-6181
Severity:	S2 - Major		
Product:	9920	Reported in Release:	NPB 21.1.2.5
Symptom:	Memory utilization of 9920 keeps increasing, eventually resulting into device reboot.		
Condition:	This issue occurs when 9920 is managed by XCO.		

Parent Defect ID:	NPB-6182	Issue ID:	NPB-6182
Severity:	S2 - Major		
Product:	9920	Reported in Release:	NPB 21.1.2.6

Parent Defect ID:	NPB-6182	Issue ID:	NPB-6182
Symptom:	There was a gradual increase of memory consumption in the pbd-agent and target-proxy-agent services.		
Condition:	There was a gradual increase of memory consumption in the pbd-agent and target-proxy-agent services.		

Parent Defect ID:	NPB-6185	Issue ID:	NPB-6185
Severity:	S3 - Moderate		
Product:	9920	Reported in Release:	NPB 21.1.2.6
Symptom:	QSFP register access was failing because of which health monitor moved LC to faulty		
Condition:	QSFP register failed with NACK. This can happen in case I2C bus is busy with other transactions		

Parent Defect ID:	NPB-6186	Issue ID:	NPB-6186
Severity:	S3 - Moderate		
Product:	9920	Reported in Release:	NPB 21.1.2.5
Symptom:	QSFP register access was failing because of which health monitor moved LC to faulty		
Condition:	QSFP register failed with NACK. This can happen in case I2C bus is busy with other transactions		

Parent Defect ID:	NPB-6190	Issue ID:	NPB-6190
Severity:	S3 - Moderate		
Product:	9920	Reported in Release:	NPB 21.1.2.5
Symptom:	QSFP register access was failing because of which health monitor moved LC to faulty		
Condition:	QSFP register failed with NACK. This can happen in case I2C bus is busy with other transactions		

Defects Closed Without Code Changes

The following defects were closed without code changes in the 21.1.2.7 release of the software.

Parent Defect ID:	NPB-6043	Issue ID:	NPB-6043
Reason Code:	Already Implemented	Severity:	S2 - Major
Product:	9920	Reported in Release:	NPB 21.1.2.5
Symptom:	Traffic loss was seen from some of the egresses		
Condition:	Some of the ACL entries were configured with having mask inverted like 0.0.0.255 instead of 255.255.255.0 causing the traffic loss.		
Recovery:	With the revised configurations of configuring mask as 255.255.255.0, the intended ACL entries and masks are programmed in bfrt hw and traffic is resumed.		

Parent Defect ID:	NPB-6187	Issue ID:	NPB-6187
Reason Code:	Working as Designed	Severity:	S3 - Moderate
Product:	9920	Reported in Release:	NPB 21.1.2.5
Symptom:	A port was not allowed to be added to port-channel if it is already associated with ingress-group or egress.		
Condition:	A port was not allowed to be added to port-channel if it is already associated with ingress-group or egress.		
Recovery:	A port can either be used as an individual port or a member of port-channel and cannot participate as both. Hence the port can be removed from ingress-group or egress and then can be associated with port-channel.		

Open Defects

The following defects are open in this release of the software.

Parent Defect ID:	NPB-5182	Issue ID:	NPB-5182
Severity:	S2 - Major		
Product:	9920	Reported in Release:	NPB 21.1.1.0
Symptom:	Entity MIB item entPhysicalVendorType does not return any Vendor type OIDs instead it just return {0 0} when SNMP walk is performed		
Condition:	This happens always during SNMP walk of entPhysicalVendorType in the entity MIB.		

Parent Defect ID:	NPB-5182	Issue ID:	NPB-5182
Workaround:	No workaround		
Recovery:	No recovery available		

Parent Defect ID:	NPB-5188	Issue ID:	NPB-5188
Severity:	S3 - Moderate		
Product:	9920	Reported in Release:	NPB 21.1.1.0
Symptom:	"Link Fault Status" field in "Show interface ethernet" might show incorrect fault status.		
Condition:	"no shutdown" on the ethernet interface.		
Recovery:	No functional impact.		

Parent Defect ID:	NPB-5724	Issue ID:	NPB-5724
Severity:	S3 - Moderate		
Product:	9920	Reported in Release:	NPB 21.1.2.0
Symptom:	LACP port-channel remains down after replaying the configuration with lacp rate as 'fast' in the member interfaces.		
Condition:	The issue is seen when the lacp configurations are replayed with the node in default-configs. Only when "lacp rate fast" is configured on member ports.		
Workaround:	If we reboot the system with config it will work properly or change the "lacp rate normal" and after the port-channel comes up again change it to "lacp rate fast" on member ports.		
Recovery:	Disable & enable lacp in the global config mode. ('no protocol lacp' & 'protocol lacp')		

Help and Support

If you require assistance, contact Extreme Networks using one of the following methods:

Extreme Portal

Search the GTAC (Global Technical Assistance Center) knowledge base; manage support cases and service contracts; download software; and obtain product licensing, training, and certifications.

The Hub

A forum for Extreme Networks customers to connect with one another, answer questions, and share ideas and feedback. This community is monitored by Extreme Networks employees, but is not intended to replace specific guidance from GTAC.

Call GTAC

For immediate support: (800) 998 2408 (toll-free in U.S. and Canada) or 1 (408) 579 2800. For the support phone number in your country, visit www.extremenetworks.com/support/contact.

Before contacting Extreme Networks for technical support, have the following information ready:

- Your Extreme Networks service contract number, or serial numbers for all involved Extreme Networks products
- A description of the failure
- A description of any actions already taken to resolve the problem
- A description of your network environment (such as layout, cable type, other relevant environmental information)
- Network load at the time of trouble (if known)
- The device history (for example, if you have returned the device before, or if this is a recurring problem)
- Any related RMA (Return Material Authorization) numbers

Subscribe to Product Announcements

You can subscribe to email notifications for product and software release announcements, Field Notices, and Vulnerability Notices.

1. Go to The Hub.
2. In the list of categories, expand the **Product Announcements** list.
3. Select a product for which you would like to receive notifications.
4. Select **Subscribe**.
5. To select additional products, return to the **Product Announcements** list and repeat steps 3 and 4.

You can modify your product selections or unsubscribe at any time.