



Firmware for TN-4500B Series Release Notes

Version: v1.0	Build: N/A
Release Date: Sep 24, 2024	

Applicable Products

TN-4500B Series

Supported Operating Systems

N/A

New Features

- Initial release.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

- Single DUT cold start has a 1/2500 chance of failing to log in. It recovers after a reboot.
- In TCMS Testbed testing, a single DUT cold start has a 1/1500 chance of failing to log in with all ports link down. It recovers after a reboot. The framework may access the network module before it fully initializes, which may lead to anomalies. This is difficult to reproduce in common applications (multiple devices cold starting simultaneously). In current tests with 4 DUTs powered on and off simultaneously, trigger probability is 1/9757. Though rare, its consequences are substantial. It will be addressed in an upcoming VR update.
- Web & CLI DUT login lockout fails. Even after multiple incorrect password attempts, users can continue to try.
- Enabling 'File Signature' resets configured user-defined encryption key to default. Users will need to reconfigure the encryption key to import config files encrypted by a user-defined key.
- SNMP TrapV1 packets have an incorrect agent-addr of 127.0.0.1, which doesn't match the DUT IP. This doesn't affect trap functionality.
- NTP authentication key string displayed in plain text in the SNMP interface.
- For the last 4 ports in the 'Show interfaces status' CLI command, the negotiation field incorrectly shows 'No-negotiation'.
- LACP doesn't work after configuration on TN-4500A and TN-4500B Series due to LACP spec differences between TN-A and TN-B platforms. Mitigation for TN-4500B: Ensure proper operation of static link aggregation and LACP before configuring the port as a trunk member, set the port to 'forced highest speed mode', then enable link aggregation. This will facilitate normal operation.
- When PoE per port is disabled/enabled simultaneously with PD power outages for multiple rounds, there's a 1/1000 (approx.) chance for all ports to lose power. It recovers after a reboot.
- For MSTP+GVRP topology, dynamic GVRP cannot learn VLANs correctly. MSTP and GVRP are both VLAN-related, and when a VLAN changes dynamically, MSTP needs to reconverge, which can cause instability due to complex operations. Using MSTP and GVRP together may cause network instability, so it is recommended to avoid enabling both of them.
- When creating a port trunk then removing it, QoS port priority doesn't return to default. This is a complex interaction between LA and QoS that occurs under particular scenarios.

- IGMPv3 group membership interval function works, but current design only has a per-port timer, not a per-host timer, leading to earlier timer expirations but has minimal impact on overall behavior. Multicast transmissions can resume by resending join requests as needed.
- When IGMP and LAG are enabled on the DUT and IGMP membership reports are received from the trunk port, the group table does not record the port. This is a display discrepancy; IGMP Snooping and Port Trunking are functioning correctly.
- If a static multicast is created before a VLAN member port is set, the MAC address table is not updated. Setting configuration order can lead to incorrect underlying value writes. Mitigation: Configure VLANs before creating static multicast groups, or reboot the device.
- When sending special format PTR packets to the DUT, the DUT replies with abnormal format DNS response packets. The expected response is ignoring the packet, but it unexpectedly replies without providing the required answer. This does not significantly affect functionality.
- When logging in with RADIUS auth, the NAS-IP-Address value is always 127.0.0.1. Despite an incorrect NAS-IP-Address in the packet, RADIUS functionality is unaffected.
- 'The bootfile name is invalid' syslog packet is not sent immediately, but after a few seconds.
- The mail server receiving event notification packets from the DUT may display the IP as 127.0.0.1. This is a display discrepancy.
- Email function for sending 802.1x authentication failure logs not working, but syslog and trap messages are sent as expected.