Release Notes

MLTG-360

Version: 1.4.1-2722-56c74c7c
Enhanced from version 1.3.3-2646-72c8e391

Table of Content

1. Dashboard Enhancement

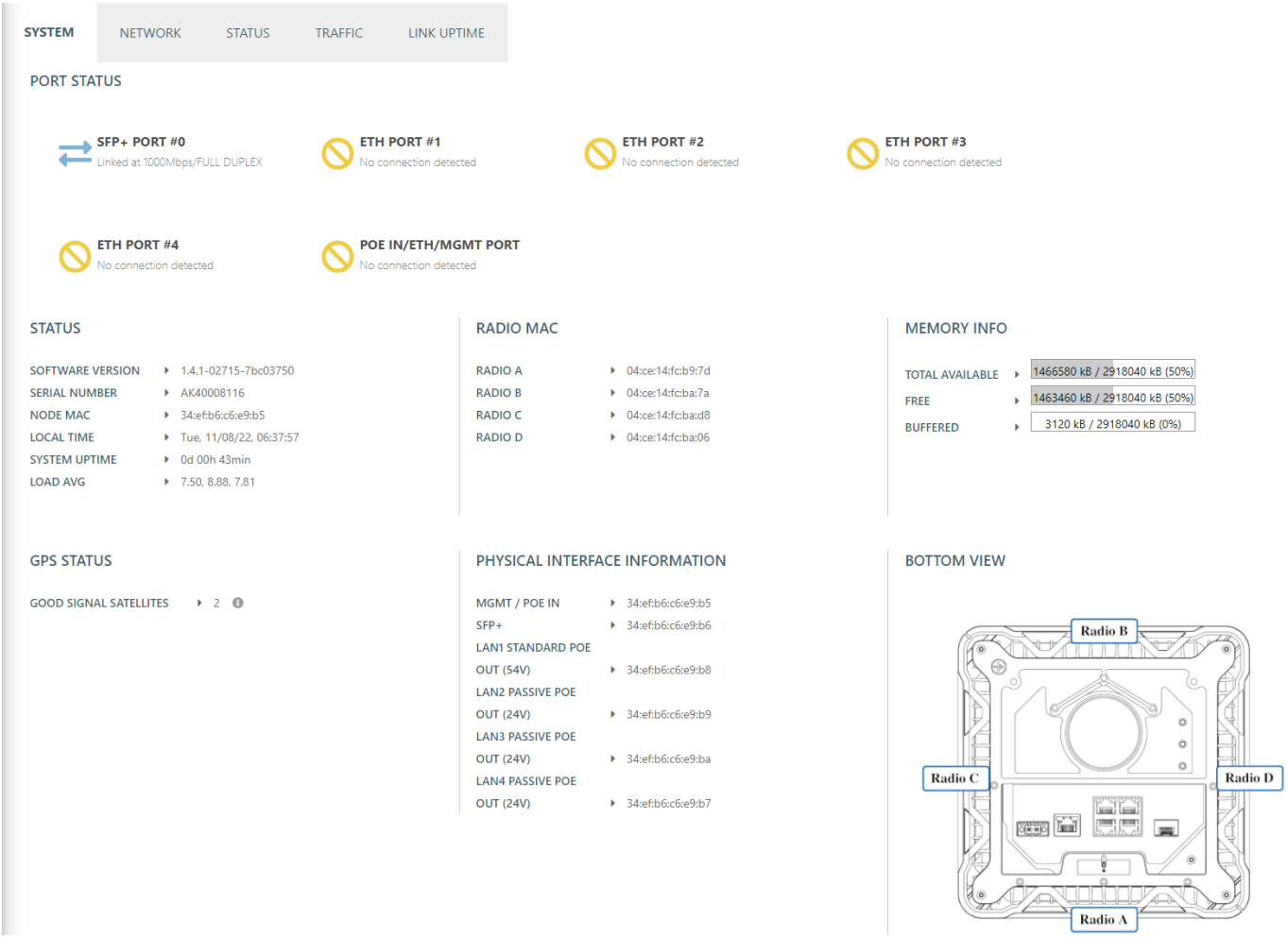
Dashboard is redesigned with more useful information. Also, we enhance the efficiency of information collecting so that the data can be loaded faster to the dashboard when there are many nodes and links.

The information is categorized into 5 groups: system, network, link status, traffic, link uptime.

System

The following information can be found in this group.

- Physical port status
- System information and status, including software version, serial number, system time, uptime, and load average.
- GPS Status
- Radio MAC addresses
- Physical port MAC addresses
- Memory information
- Bottom view graph, as an indication for Radio index and physical port mappings.

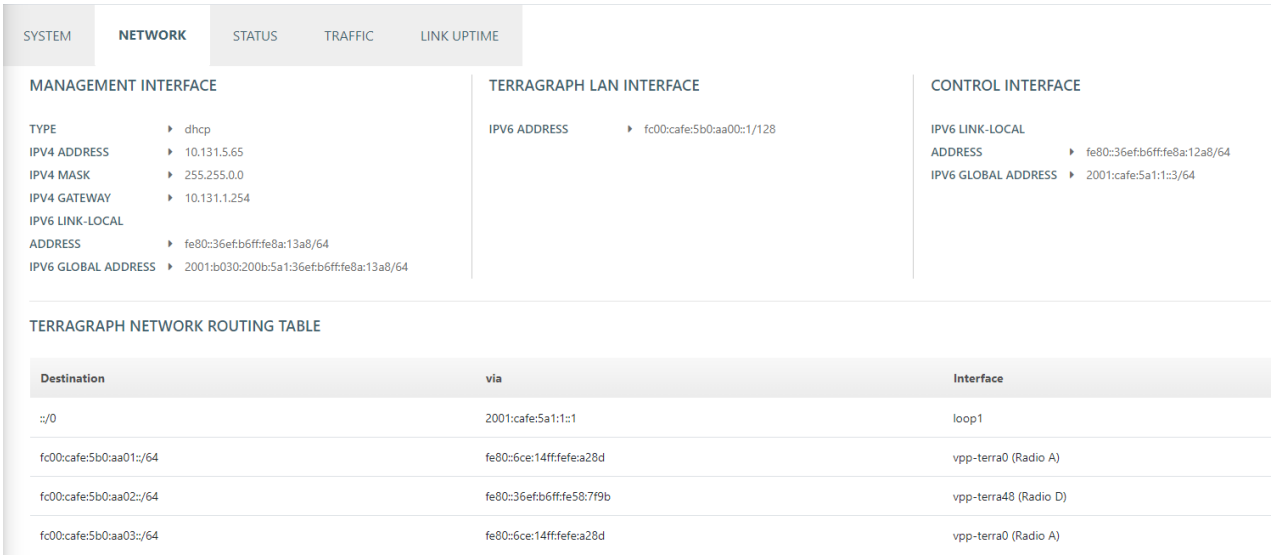


Network

In the network category, the IP settings for the following network interfaces are shown.

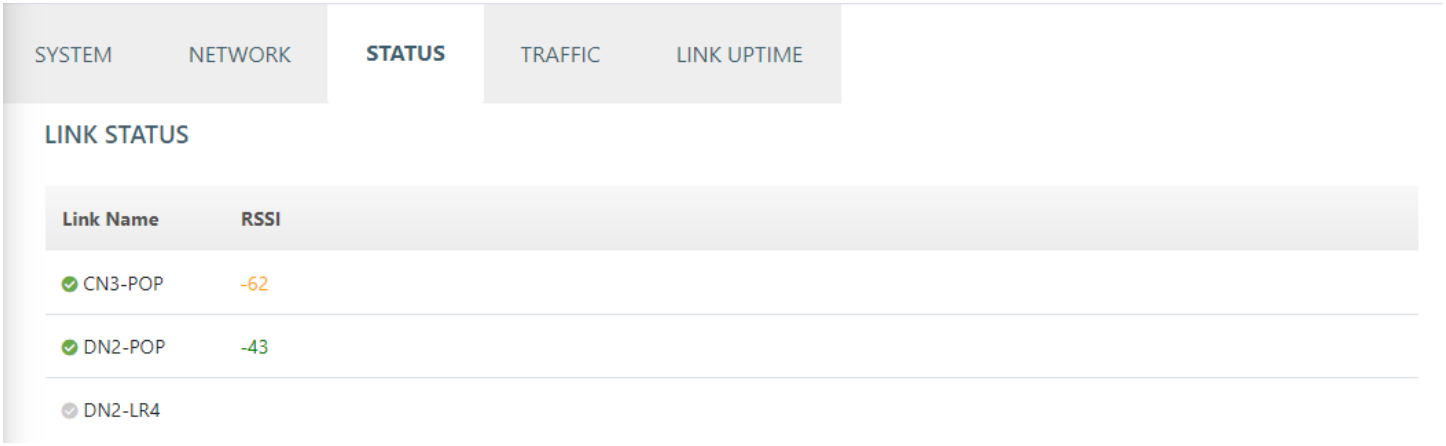
- Management interface
- Control interface
- Terragraph LAN interface

Also, the routing table for the Terragraph network is also shown in this page.



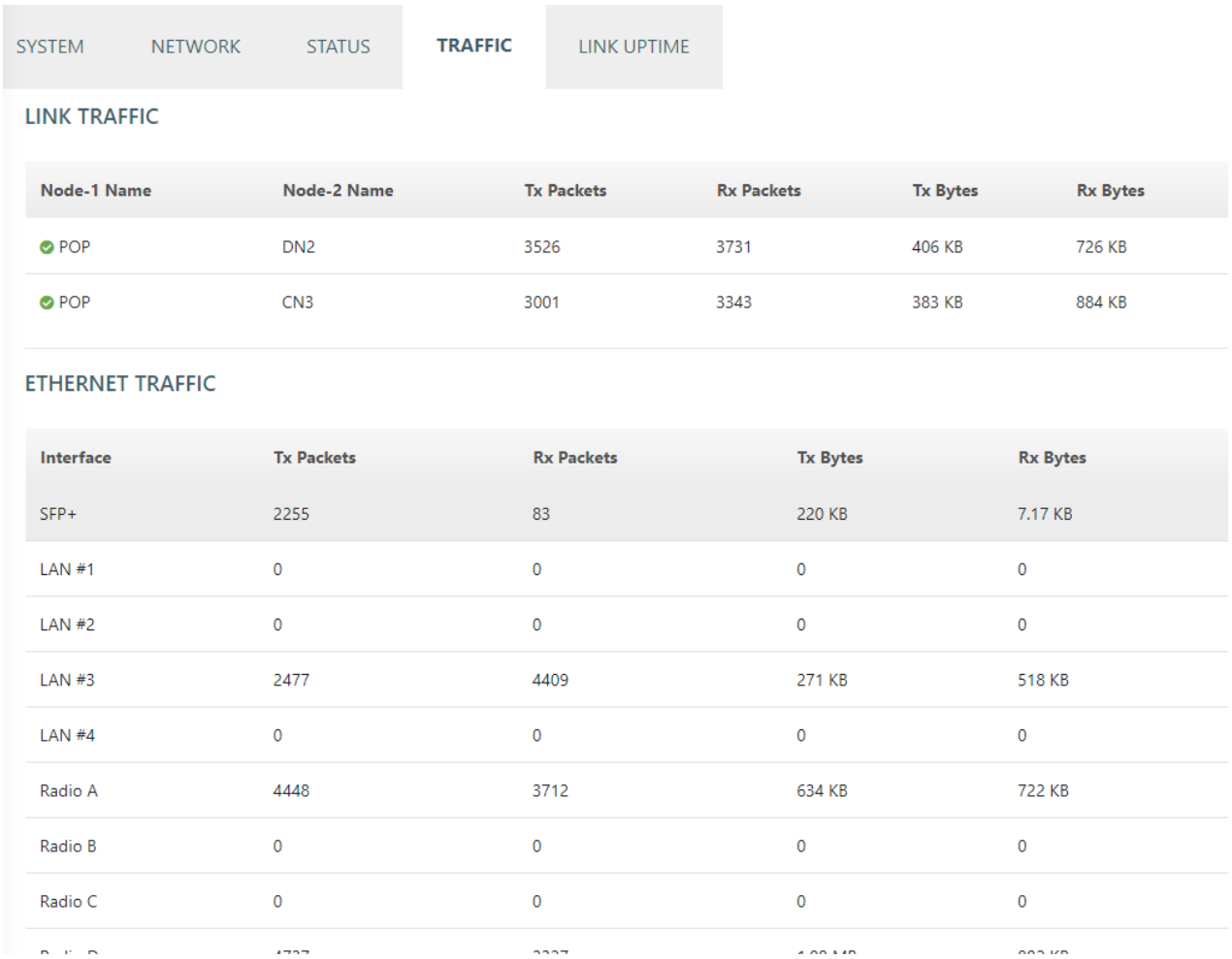
Link Status

In this page, the RSSI of each link and the VXLAN tunnel information will be shown. The RSSI value is colored to indicate signal quality. Note that the VXLAN tunnel information will be visible only when the operation mode is Terragraph mode.



Traffic

In this page, the traffic summary, including Tx packets, Tx bytes, Rx packets, and Rx bytes, for each link and each physical port will be listed.



SYSTEM | NETWORK | STATUS | **TRAFFIC** | LINK UPTIME

LINK TRAFFIC

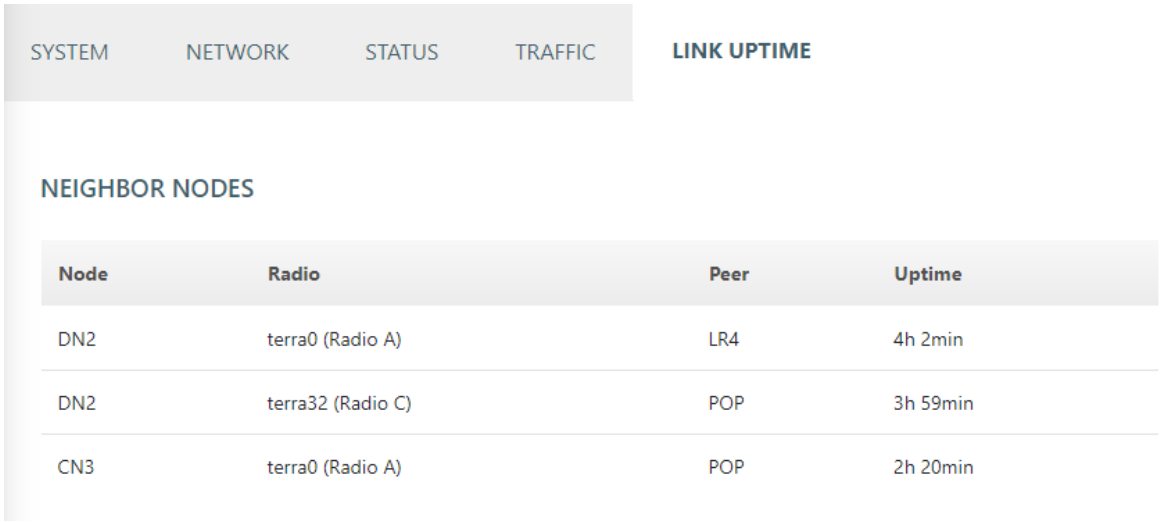
Node-1 Name	Node-2 Name	Tx Packets	Rx Packets	Tx Bytes	Rx Bytes
POP	DN2	3526	3731	406 KB	726 KB
POP	CN3	3001	3343	383 KB	884 KB

ETHERNET TRAFFIC

Interface	Tx Packets	Rx Packets	Tx Bytes	Rx Bytes
SFP+	2255	83	220 KB	7.17 KB
LAN #1	0	0	0	0
LAN #2	0	0	0	0
LAN #3	2477	4409	271 KB	518 KB
LAN #4	0	0	0	0
Radio A	4448	3712	634 KB	722 KB
Radio B	0	0	0	0
Radio C	0	0	0	0

Link Uptime

In this page, it shows the radio interface used for each link, and also the link uptime for each link.



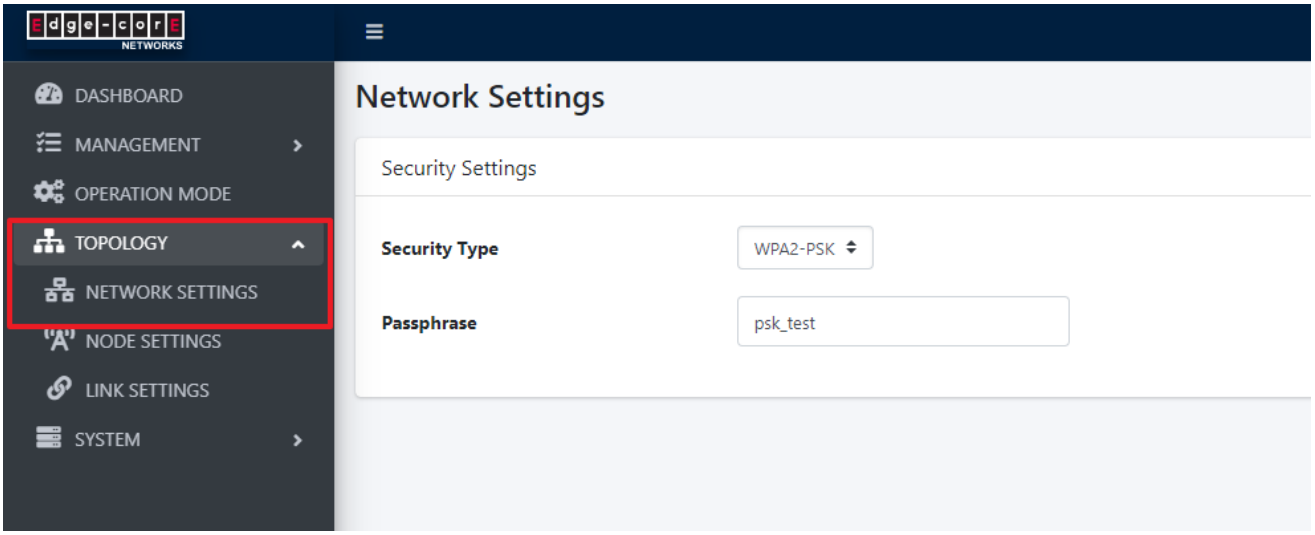
SYSTEM | NETWORK | STATUS | TRAFFIC | **LINK UPTIME**

NEIGHBOR NODES

Node	Radio	Peer	Uptime
DN2	terra0 (Radio A)	LR4	4h 2min
DN2	terra32 (Radio C)	POP	3h 59min
CN3	terra0 (Radio A)	POP	2h 20min

2. Security Configuration

Security configuration for the wireless link is supported now. The configuration page can be accessed from “Topology > Network Settings” in the left-side menu.



In current version, WPA2-PSK is the only supported security type. Passphrase is configurable and will be applied to all links of the node. The security settings must be the same for the two peers of a link. If the passphrase does not match, then the link cannot be established.

3. Issue Fixed

- Fix the GUI crash issue after modifying radio and channel of an existing link on the link settings page.
- Fix an issue of periodical traffic loss.

4. Known Issue

- It requires all devices in the same topology to reset to default before switching management option. For example, switch between local controller and ecCLOUD.
- If the links are disconnected and recovered frequently, network function may crash.
- Sometimes non-POP cannot get IPv4 address when IPv4 support is enabled.
- Sometimes network function may crash after editing an active link.
- After modifying control VLAN, it will not take effect unless reboot all the nodes in the same topology.
- Unable to get troubleshooting file from ecCLOUD.
- During applying topology configuration from ecCLOUD, non-POP node may stuck in configuration sync state until removed from the cloud.
- ecCLOUD is unable to get the link status and statistics when IPv4 support is enabled.
- Security settings configuration is unable to be modified on ecCLOUD.