



Release Notes

MLTG-360

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1. Operation Mode Settings Renewal

The operation mode page is redesigned to simplify the setting flows.

There is a new option “Internet Protocol” for configuring the control plane network to be based on IPv4 or IPv6. When IPv6 is selected, there will be an additional option “Dual Stack Support” shown. When dual stack support is enabled, the control plane will be assigned with both IPv4 and IPv6 addresses.

In our new design, the configurable items depend on the selected internet protocol. For pure IPv6 or dual stack setup, the IPv6 addresses are still configurable. It will be assigned with a set of dummy addresses by default.

OPERATION MODE

Operation Mode: Terragraph Mode

GPS Sync Check: OFF

Set as POP Node: ON

Management Option: Local Controller

Internet Protocol: IPv6

Dual Stack Support: ON

IPv4 Address Mode: DHCP

Terragraph WAN Address: 2001:B030:200B:05A1::B2
*VPP_ADDR

Gateway Address: 2001:B030:200B:05A1::1
*GW_ADDR

Terragraph LAN Prefix: 2001:B030:200B:05B8::
*e2e-network-prefix

Terragraph LAN Prefix Length: 61

Control Address: 2001:B030:200B:05A1::B3
*POP_ADDR

Reserved Interface: LAN1 *POP_IFACE
*The selected interface is reserved for accessing web GUI of the POP only.

Save

For pure IPv4 setup, it is not required to configure any IPv6 address now.

OPERATION MODE

Operation Mode Bridge Mode ▾
GPS Sync Check OFF
Set as POP Node ON
Management Option Local Controller ▾
Internet Protocol IPv4 ▾
IPv4 Address Mode DHCP ▾
Management VLAN OFF

[Save](#)

“Control Interface” is renamed as “Reserved Interface” now. The reserved interface is required when the Internet protocol is IPv6. The reserved interface is only for management purpose, and will be assigned with the control address. It can only be used to access the web GUI of the POP node.

When Internet protocol is IPv4, all the LAN ports and SFP+ port can be used for data forwarding and management. There is no need to configure the reserved interface.

2. Link Status Page Enhancement

The link status page is enhanced with higher efficiency and more informative. The detail status of the links are added back.

SYSTEM
NETWORK
STATUS
TRAFFIC
LINK UPTIME

LINK STATUS

Link Name	RSSI	MCS	Channel	Tx Power (%)	PER	RX Beam Idx	TX Beam Idx
✔ CN5-POP	-49	9	1 (58320 MHz) @ 2160 MHz	19.35	9	33	34
✔ DN2-POP	-43	10	3 (62640 MHz) @ 2160 MHz	24.00	0	32	33
✔ DN4-POP	-37	9	1 (58320 MHz) @ 2160 MHz	19.35	0	38	25

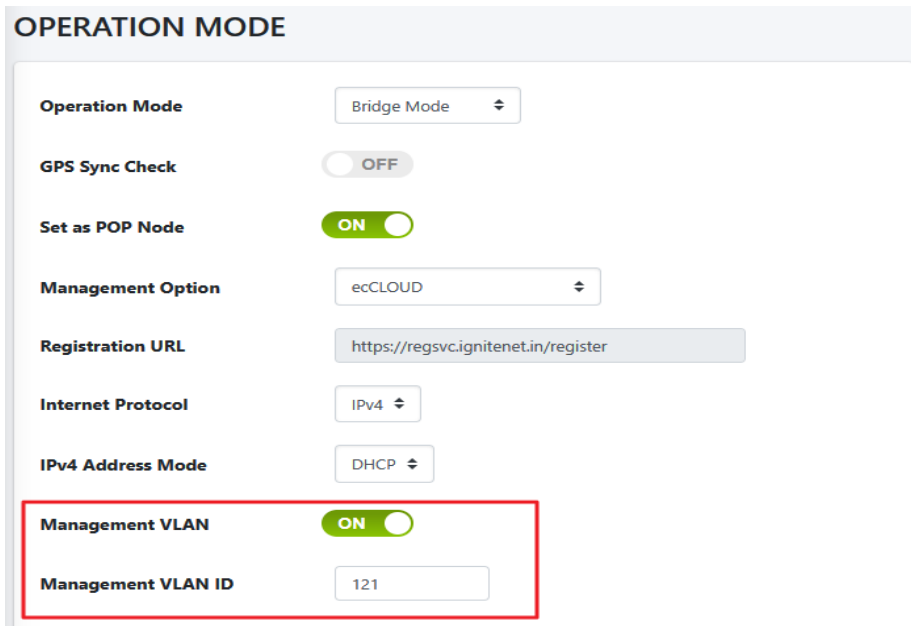
VXLAN TUNNEL

Peer Name

CN5 DN2 DN3 DN4

3. Management VLAN Support

Management VLAN support is added in v1.4.2. The configuration is available on the POP node, operation mode page. When management VLAN is enabled, an additional field for management VLAN ID is configurable.



The screenshot shows the 'OPERATION MODE' configuration page. The 'Management VLAN' section is highlighted with a red box. It includes a toggle switch for 'Management VLAN' set to 'ON' and a text input field for 'Management VLAN ID' containing the value '121'. Other visible settings include 'Operation Mode' (Bridge Mode), 'GPS Sync Check' (OFF), 'Set as POP Node' (ON), 'Management Option' (ecCLOUD), 'Registration URL' (https://regsvc.ignitenet.in/register), 'Internet Protocol' (IPv4), and 'IPv4 Address Mode' (DHCP).

After configured on the POP node, the management VLAN settings will be automatically synchronized to other DNs and CNs connected under the POP node. All nodes in the same Terragraph network will be set with the same management VLAN ID.

Please note that when operation mode is Terragraph mode, management VLAN is **NOT** supported if the internet protocol is **IPv4** or **dual stack**.

4. Issue Fixed

- Fixed the issue that sometimes non-POP node cannot get IPv4 address when internet protocol is IPv4.
- After modifying management VLAN, it will take effect without manual reboot.
- During applying topology configuration from ecCLOUD, non-POP nodes will not get stuck in configuration sync state.
- The radio status and link status can be updated to ecCLOUD correctly now when internet protocol is IPv4.
- ecCLOUD supports security settings now.
- Fixed an issue that the web page will be non-responsive after modifying a link.

5. 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.
- In Terragraph mode, if the links are disconnected and recovered frequently, network function may crash.
- Sometimes network function may crash after editing an active link. It can be recovered by a manual reboot.
- It takes a very long time for preparing troubleshooting file on ecCLOUD.
- Before switch internet protocol (IPv4 or IPv6), all the links must be deleted on the POP node to make sure all the nodes work correctly.
- In dashboard, the memory usage layout may be incorrect in some browser.
- When managed by ecCLOUD, some of the links in a mesh topology may be disconnected.