Release Note

Edgecore EWS5203 Release v3.70.0000

Document # Edgecore_EWS5203_ERN_v3.70.0000

Enhancement from v3.60.0102

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Revision History

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1 AP Management Compatibility

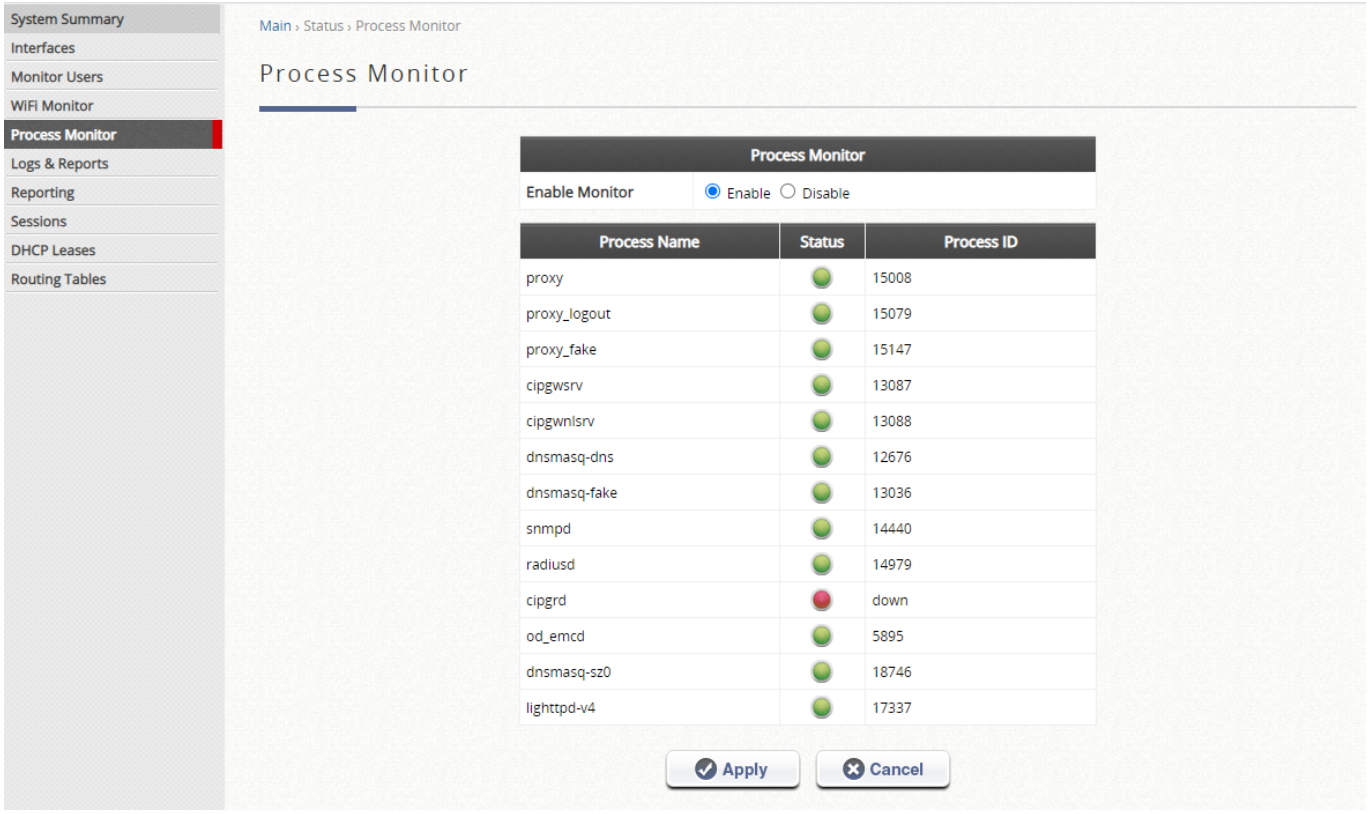
1.1 Compatible Versions for AP Management

AP type	LAPM	WAPM	Compatible version
OAP100	V	V	3.45.0000 or newer
OAP100e	V	V	3.45.0000 or newer
EAP100	V	V	3.45.0000 or newer
ECW100	V	V	3.45.0000 or newer
ECW5210-L	V	V	3.45.0000 or newer
ECW5211-L	V	V	3.45.0000 or newer
ECW5410-L	V	V	3.45.0000 or newer
ECWO5210-L	V	V	3.45.0000 or newer
ECWO5211-L	V	V	3.45.0000 or newer
ECWO5213-L	V	V	3.45.0000 or newer
OAP103-BR		V	11.6.4 or newer
EAP101		V	11.2.0-795 or newer
EAP102		V	11.2.0-796 or newer
EAP104		V	12.0.0 or newer
SP-W2M-AC1200		V	7.0.0-2987 or newer
3rd Party		V	

2 Feature Enhancement

2.1 Enhance the WAPM Detection Method

In WAPM, a new WAPM detection method is adopted to add the WAPM process (od_emcd) to the process monitor page. Once the WAPM process crashes or becomes abnormal, the process will be restarted automatically to make sure the related service is normal.



2.2 Support Interference Detection in WAPM

In WAPM > New Generation Template > Radio Settings, the interference detection can be applied to the WiFi6 AP. When Utilization of the current channel or adjacent channel reaches the configured threshold (in %), the AP switches to a different Channel. Set this field to 0 to disable this feature. Apply the template with interference detection to the WiFi6 AP to check if the value is correct on the AP.

2.3 Support Offline Status Red Font Display in WAPM AP List

In WAPM > AP List, if the AP status is offline, it is shown in red font.

☐	EAP101	eth1_231	10.83.23.1	AA:AA:BB:BB:17:01	Overview	N/A	Offline	0	N/A	Go	N/A	
☐	EAP101	eth1_232	10.83.23.2	AA:AA:BB:BB:17:02	Overview	N/A	Offline	0	N/A	Go	N/A	
☐	EAP101	eth1_233	10.83.23.3	AA:AA:BB:BB:17:03	Overview	N/A	Offline	0	N/A	Go	N/A	
☐	EAP101	eth1_234	10.83.23.4	AA:AA:BB:BB:17:04	Overview	N/A	Offline	0	N/A	Go	N/A	
☐	EAP101	eth1_235	10.83.23.5	AA:AA:BB:BB:17:05	Overview	N/A	Offline	0	N/A	Go	N/A	

2.4 Support Sorting Algorithm for all devices in WAPM AP List

In WAPM > AP List, the sorting algorithm is supported for all devices listed on all pages when clicking the column. The APs are sorted by the column users clicked. When the refresh button is clicked, the sorting result keeps unchanged, only update the AP status.

2.5 Add the Information in WAPM AP Online Users List

In WAPM > AP List > # of Users, the following information is supported on the page. When the clients are connected to the SSID, check whether the associated client information is correct or not.

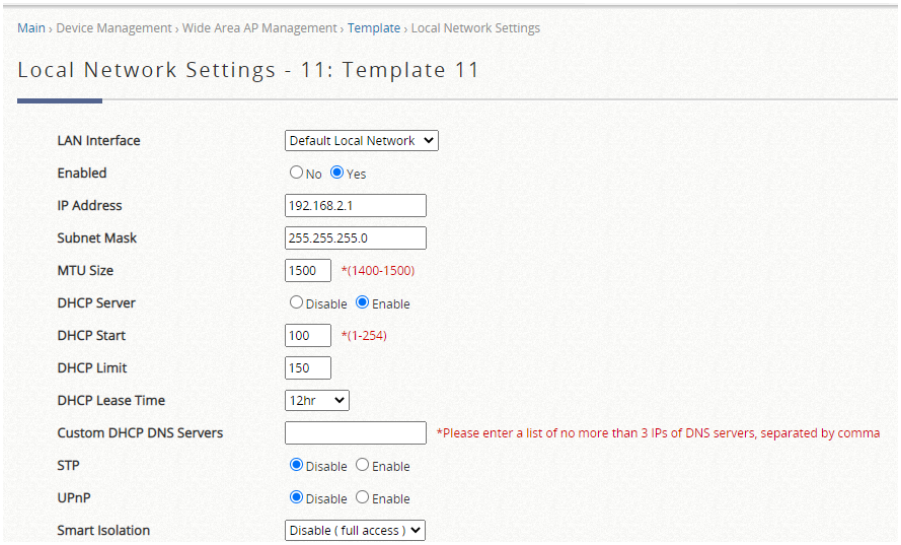
1. Client OS: The OS of the client. It is only compatible with the latest AP version which supports Client OS.
2. Radio: The radio of the client.
3. Channel: The channel running on the radio.
4. Connected Time: The time the client is connected.
5. SSID: The SSID the client is connected to.

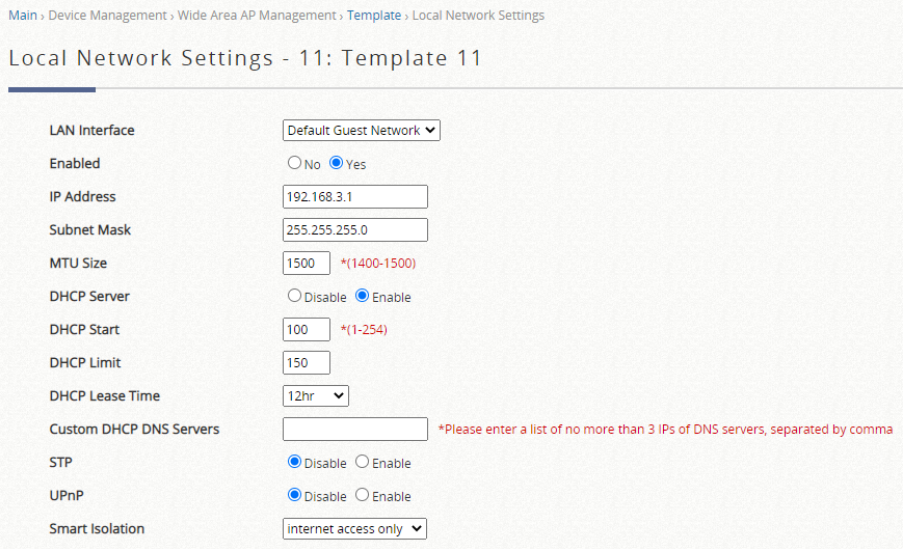
AP Online Users : EAP104

User Name	IP Address	MAC Address	Host Name	SSID	Radio	Channel	Bytes In/Bytes Out	RSSI	SNR	Idle	Access From	Connected Time	Client OS	Log out
3@local	172.21.10.28	2A:C6:6C:91:D3:23	Galaxy-A7-2018-nai-hao	4C_5G_Com_TL100	5GHz	100	2M/30M	-63	37	12s	EAP104	8 min 25 sec	N/A	Logout

2.6 Support LAN Settings in New Generation Template

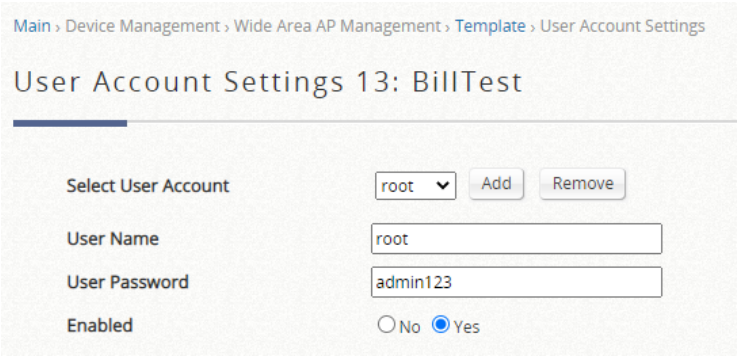
In WAPM > Template > New Generation > LAN Settings, the default local network and default guest network of LAN interface can be configured in the template. Apply the template with the default local and guest network to the WiFi6 AP to check if the configurations are correct on the AP.





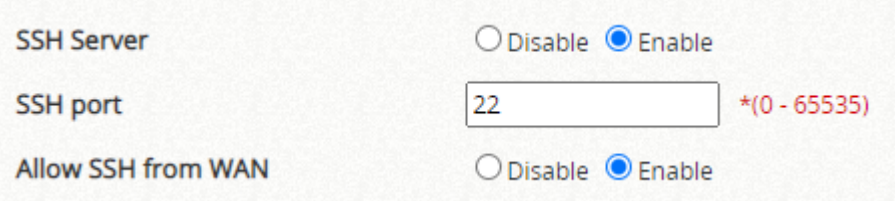
2.7 Add User Account in New Generation Template

In WAPM > Template > New Generation > User Accounts, User Account can be configured in the template. Apply the template with the user account to the WiFi6 AP to check if the configurations are correct on the AP.



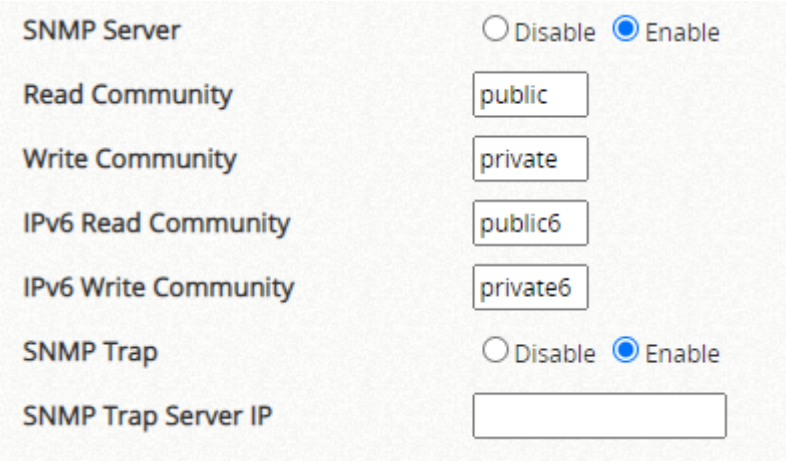
2.8 Add SSH in New Generation Template

In WAPM > Template > New Generation > Services, SSH can be configured in the template. Apply the template with SSH to the WiFi6 AP to check if the configurations are correct on the AP.



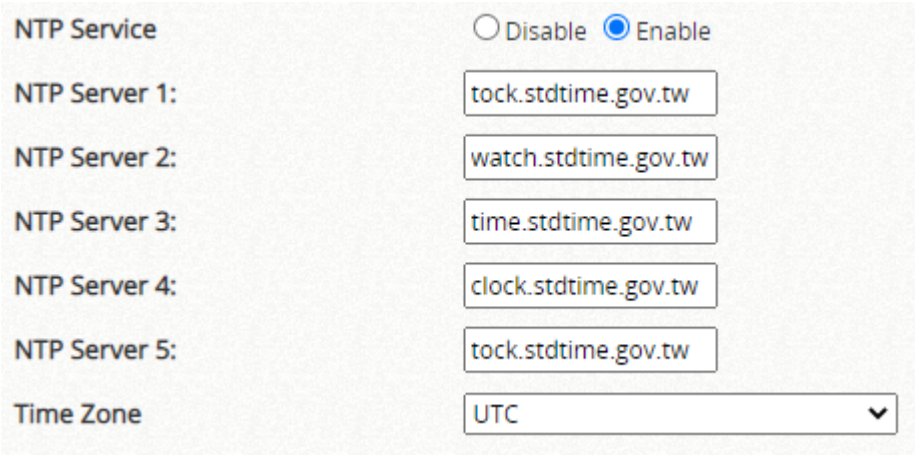
2.9 Add SNMP in New Generation Template

In WAPM > Template > New Generation > Services, SNMP related configuration can be configured in the template. Apply the template with SNMP related configurations to the WiFi6 AP to check if the configurations are correct on the AP.



2.10 Add NTP in New Generation Template

In WAPM > Template > New Generation > Services, NTP can be configured in the template. Apply the template with NTP configurations to the WiFi6 AP to check if the configurations are correct on the AP.



2.11 Add Multicast DNS in New Generation Template

In WAPM > Template > New Generation > Services, mDNS can be configured in the template. Apply the template with multicast DNS to the WiFi6 AP to check if the configuration is correct on the AP.

2.12 Support the SNMP OID of DHCP Scope Threshold

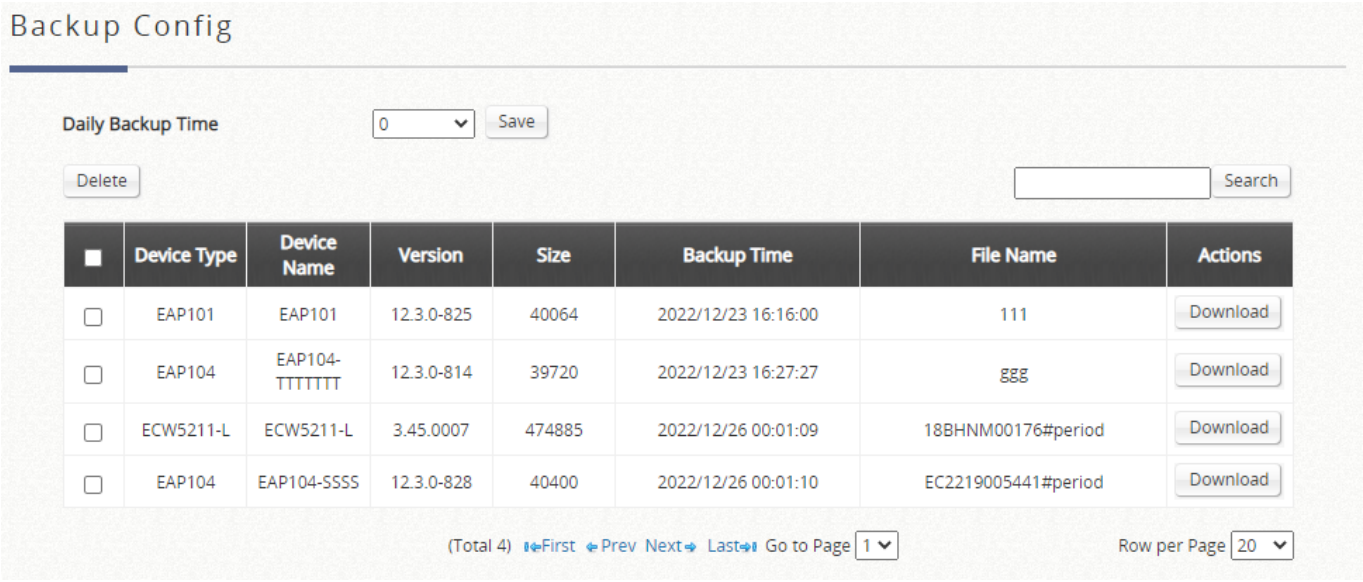
The OID of DHCP scope threshold is added in SNMP MIB files. Set and get the OID to check if the OID can work normally when the utilization of DHCP scope in the service zone is changed.

1. edgecoreDHCPScopeThreshold: The threshold of DHCP scope. If the utilization of DHCP scope exceeds the threshold, edgecoreACDHCPAddressExhaustTrap of SNMP trap will be sent. After the utilization of DHCP scope is below the threshold, edgecoreACDHCPAddressExhaustRecovTrap of SNMP trap will be sent.

2.13 The WAPM Backup Configuration Enhancement

In WAPM > Backup Configuration, the following items has been enhanced.

1. The default value of Daily Backup Time is set to Disabled.
2. The configuration of 3rd party AP will not be backed up if the daily backup time is enabled.
3. The device name is added into the backup configuration page. It shows the device name when the configuration is backed up.



2.14 Add Airtime Fairness in New Generation Template

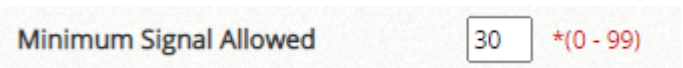
In WAPM > Template > New Generation > Radio Settings, Airtime Fairness can be configured in the template. Apply the template with airtime fairness to the WiFi6 AP to check if the configuration is correct on the AP.

2.15 Add 802.11v in New Generation Template

In WAPM > Template > New Generation > Wireless Network, 802.11v can be configured in the template. Apply the template with 802.11v to the WiFi6 AP to check if the configuration is correct on the AP.

2.16 Modify the Default Value of Minimum Signal Allowed in New Generation Template

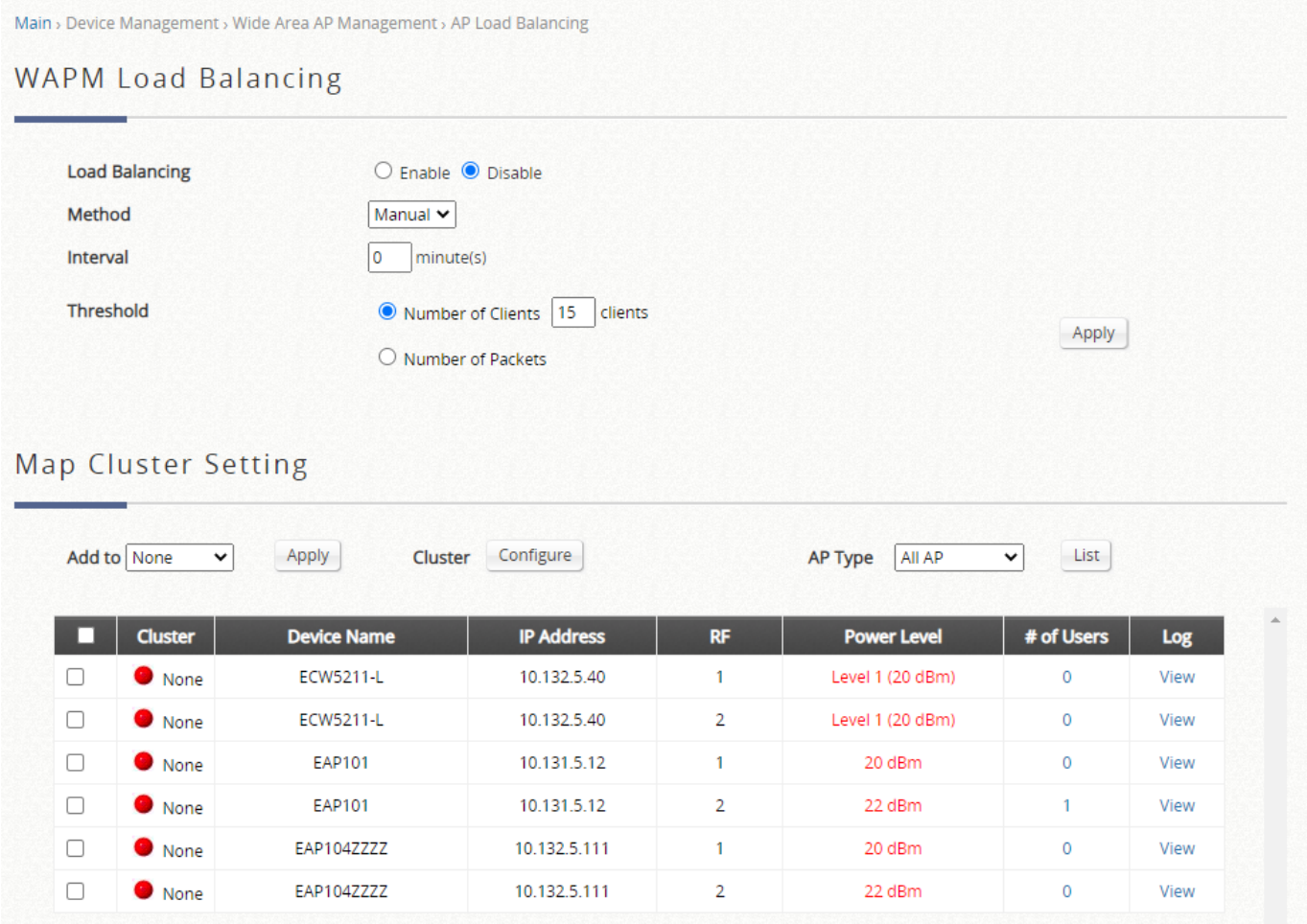
In WAPM > Template > New Generation > Radio Settings, the default value of minimum signal allowed is changed from 0 to 30. Apply the template with minimum signal allowed to the WiFi6 AP to check if the configuration is correct on the AP.



2.17 Support Local Cluster in WAPM AP Load Balancing

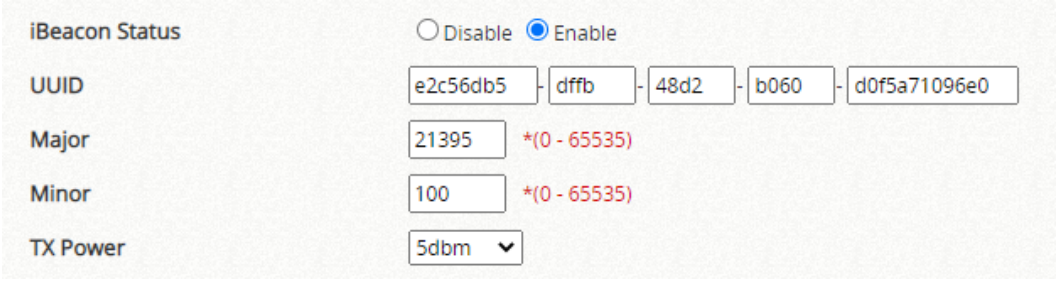
In WAPM > AP Load Balancing, the local cluster is added if the Method is selected to Manual. Keep the

original AP load balancing when the Method is selected to Auto.
If the method is manual, it uses the local cluster to determine the AP in the WAPM is in which group without using google map. The controller can also perform transmit power management to spread the network load among APs of the same group. Check the power level of APs is adjusted if the AP in the same cluster satisfy the threshold.



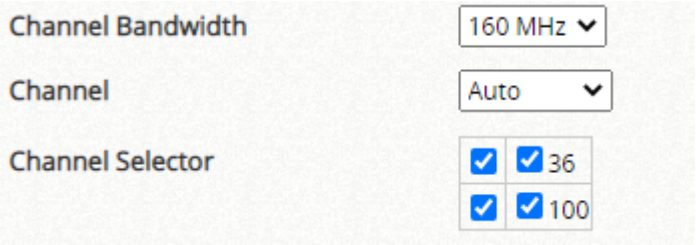
2.18 Support BLE TX Power in New Generation Template

In WAPM > Template > New Generation > Services, BLE TX power can be configured in the template. This configuration is only applied to supported APs. Apply the template with BLE TX power to the supported WiFi6 AP to check if the configuration is correct on the AP.



2.19 Support 160MHz in New Generation Template

In WAPM > Template > New Generation > Radio, 160MHz of channel bandwidth can be configured in the template. Apply the template with 160MHz to the supported WiFi6 AP to check if the configuration is correct on the AP.



2.20 Support Service Schedule in New Generation Template

In WAPM > Template > New Generation > Wireless Network, service schedule can be configured in the template. The service hour of the SSID can be customized. Apply the template with service schedule to the WiFi6 AP to check if the SSIDs of AP are enabled or disabled at the correct time.

2.21 Support Ethernet Setting in New Generation Template

In WAPM > Template > New Generation > Ethernet Settings, the network behavior of Ethernet port can be configured in the template. Apply the template with Ethernet configuration to the supported WiFi6 AP to check if the configurations are correct on the AP.

2.22 Add the Information in the MIB OID edgecoreAccessPointInfo

In the MIB OID edgecoreAccessPointInfo, the following information is added. Get the OID to check if the value of OID is the same as the information of WAPM AP list.

1. edgecoreAPIpAddress: List the IP address of all APs on the WAPM AP list.
2. edgecoreAPStatus: List the AP status of all APs on the WAPM AP list.

3 Issue Fixed

3.1 In WAPM, the WiFi5 AP information and online users are not correct in the AP list when the WAN2 port is not connected and the WAN failover is enabled.

3.2 In WAPM > New Generation Template > Wireless Network, WMM can't display the "Disabled" option.

3.3 The upload image of Login Page Editor in Service Zones is not working when connecting the controller through the port forwarding.

3.4 The radius setting of the AP is empty if applying the New Generation template to the AP with WPA3 Enterprise 192-bit and split tunnel.

3.5 When the WAN2 and WAN failover functions are enabled, some logs are lost in syslog if WAN2 is not connected.

3.6 The syntax of edgecoreAccessAddr is not correct in the MIB file.

3.7 The result of snmp command is not correct when setting multiple SNMP server in edgecoreAccessAddr.

3.8 The value of edgecoreTrapOnOff is not correct in the unsupported SNMP trap.

3.9 The edgecoreACDHCPAddressExhaustTrap of SNMP trap is not working.

3.10 The SNMP trap behavior of warm start, cold start, and link up is not correct.

4 Known Issue

4.1 In WAPM, the Access Control List in New Generation template can’t have more than 64 MACs.

4.2 The SNMP trap message of warm start, cold start, link down, and link up can’t be sent to the LAN port.

4.3 The SNMP trap message of link down and link up can’t be sent to the WAN port if the LAN port interface is down or up.