Built-in Omada SDN Controller v5.1.8

1. Supported Device Models and Firmware

- **EAP**

  EAP 670, EAP660 HD, EAP650, EAP620 HD, EAP615-Wall, EAP610, EAP610-Outdoor

  EAP265 HD, EAP230-Wall, EAP235-Wall, EAP225-Outdoor, EAP115-Wall

  EAP245 V3, EAP225 V3, EAP225-Wall V2, and above versions

  EAP115 V4, EAP110 V4, EAP110-Outdoor V3, and above versions

- **Switch**

  TL-SX3016F, TL-SX3008F

  TL-SG3452XP, TL-SG3452X, TL-SG3452P, TL-SG3452

  TL-SG3428XMP, TL-SG3428MP, TL-SG3428X, TL-SG3428

  TL-SG3210XHP-M2, TL-SG2428P, TL-SG2218, TL-SG2008P, TL-SG2210MP

  TL-SG3210 V3, TL-SG2210P V3.2, TL-SG2008 V3, TL-SL2428P V4, and above versions

- **Gateway**

  ER7206 (TL-ER7206)

  ER605 (TL-R605) v1 and v2

2. New Features & Enhancements

1. Added support for Private Pre-Shared Key (PPSK), which requires upgrading the EAP to the adapted firmware to be released soon. For PPSK without RADIUS, you can create PPSK profiles (Settings -- Profiles -- PPSK).
2. Added the Report page to view, export and email network reports.
3. Added the Heatmap function (Beta).
4. Added support for Facebook Wi-Fi 2.0 for wireless networks, which requires upgrading the EAP to the adapted firmware.
5. Added support for Upgrade Schedule (Settings -- Services).

6. Added support for IPTV function (Settings – Services -- IPTV), which requires upgrading your ER605/ER7206 firmware to version 1.2.0.

7. Added support to submit your feedback.

8. Added support to connect FTP/TFTP/SFTP/SCP file servers for backup and restore (Settings – Maintenance – Backup & Restore).

9. Added TP-Link email service to invite cloud users and reset password.

10. Added support for adding multiple authentication and accounting servers to a RADIUS profile.

11. Added support for the RADIUS accounting function, and NAS ID setting to the MAC-Based Authentication.

12. Added support for the update notification for Omada Software Controller (Settings – Maintenance – User Interface).

13. Optimized the portal customization, added support to adjust the logo size and position and font size, provided a more detailed customized page template.

14. Added the Device Account configuration during Quick Setup and adding a new site. After a device is adopted by the site, its username and password will be automatically set as the site device account, and will be required when re-adopting and logging into the device.

15. Added support to create up to 7 entries for one time range profile (Settings – Profiles – Time Range).

16. Added support for the USB LTE WAN of ER605(UN) V2.

17. Added the Wi-Fi Control function for some wall plate EAPs.

18. Added support to set the end of the Wi-Fi password as the space.

19. Added quick switches to enable or disable many advanced features, such as ACL, Port Forwarding, VPN, etc.

20. Added support to custom the Online Detection Interval, which requires upgrading your ER605/ER7206 firmware to version 1.2.0.

21. Added support to import HTTPS certification in PEM format (Settings – Controller – HTTPS Certificate).

22. Added support to export data from multiple sites (Settings – Services – Export Data).

23. Added a status filter to the device list to filter devices with selected status.

24. Added Controller and Device names for Syslog and Email.

25. Added the requirement for External Web Portal to submit "Access-Control-Allow-Origin" field in HTTP header to enhance security, for detailed information and new template, please refer to FAQ 2912.

26. Optimized PoE utilization widget in Dashboard.

27. Optimized the text formatting to solve problems such as incorrect line breaks.

28. Optimized traffic statistics of EAP.

29. Optimized the default sorting order of the device list.

30. Optimized the Speed Test Statistics page.

31. Removed "DHCP Omada Controller" as it duplicates the "DHCP Option 138" (Settings – Wired Networks -- LAN).

32. Optimized the color of "CONNECTED" marker in the Clients list.

33. Added support to display device Serial Number, which requires enabling the Cloud Access.

3. Bug Fixed

1. Upgrade log4j version to 2.17.0. Note that Omada SDN Controller is not impacted by the vulnerability CVE-2021-45105.

2. Remove the limitation on the length of the Top-Level Domain Name of SMTP Sender Address.

3. Fixed some UI bugs when configuring the switch with a static IP address or enabling the DHCP server.

4. Fixed the bug where the Client Detail Logs were not sent to the Syslog server when the client connected to the Mesh AP.

5. Fixed the bug that the settings of PAP and CHAP authentication mode are inverse for External RADIUS Server Portal.

6. Fixed the bug that incorrect DHCP Reservation configurations caused the management exception of Omada Gateway.

7. Fixed the bug that MAC address of EAP was displayed in the roaming logs instead of the Device Name.

8. Fixed the bug that SFP+ ports can only work in 1G mode when LACP is configured.

9. Fixed the bug that the channels were incorrectly modified during batch configuration of Tx power.

10. Fixed the bug of incorrect "Reboot schedule failed to execute" log generation.

11. Fixed the bug of incorrect timestamp in alert email.

Notes

1. For OC300(UN) v1 only.

2. This version of the controller is fully applied to the Omada APP of version 4.2.X or above.

3. Omada SDN Controller can only manage certain devices running the supported firmware. Please confirm that your device is compatible with the SDN Controller.

4. Once upgraded to this version of Omada Controller, you will be **NOT able** to downgrade to version 3.2.14 or below.