1. Supported Device Models and Firmware

EAP

> EAP690E HD, EAP 670, EAP660 HD, EAP650, EAP650-Outdoor, 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-SG3428XF, TL-SG3428X, TL-SG3428
> TL-SG3210XHP-M2, TL-SX3206HPP
> 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**

> ER8411
> ER7206 (TL-ER7206)
> ER605 (TL-R605) v1 and v2

2. New Features & Enhancements

1. Added support for the following features to Omada Gateway, which requires a gateway firmware update to be released later.
    - One-to-One NAT;
    - Setting port speed and duplex mode;
    - Port Mirroring;
    - Stateful and Time-Based ACL;
    - mDNS Repeater;
    - Non-Address mode for IPv6;
    - Displaying the Source IP address of large Ping attack packets;
    - Gateway Management Page as the destination for Gateway ACL, which prevents Omada Gateway from being accessed by guest clients;
    - VPN optimization, including the following:
        - Added "Certificate + Account" mode for OpenVPN;

- Added support to customize DNS server for VPN servers;
- Added "Custom IP" type for Local Networks;
- Added "IP Address Range" type to VPN IP Pool;
- Added support for custom Local IP Address for L2TP/PPTP VPN Users;
- Display VPN Tunnel names for VPN Clients;
- Auto IPsec optimization;

2. Added support for the following features to JetStream Switch, which requires a switch firmware update to be released later.
    - Jumbo Frame;
    - EEE;
    - Flow Control (802.3x);
    - Loopback Detection VLAN-Based;
    - LACP (802.3ad);
    - DHCP L2 Relay;
    - Time-Based ACL;
    - MAC address format customization for 802.1X;
3. Added support for Automatic Power Optimization, which you can enable via Settings > Wireless Networks > AI WLAN Optimization. For some EAP models, this requires firmware updates to be released later.
4. Added support for setting 6 GHz Data Rate Control.
5. Added the "Export for Support" feature, which you can access via Settings > Maintenance, through which you can export desensitized Running Logs and Configuration Data and provide these files to TP-Link Technical Support for troubleshooting.
6. Added support to retain User info for Backup, which you can enable via Settings > Maintenance > Backup & Restore, with the feature enabled, local and cloud user information will be retained.
7. Improved the Port page of Switch, for easy port configuration for switch models with 28 and 52 ports.
8. Added support to view and export the list of associated clients in the EAP Properties window.
9. Optimized some widgets in the Dashboard.

3. Bug Fixed

1. Removed the incorrect limit on the number of switch IP:Port ACLs. Note that the number of ACLs varies between switch models, and it will be up to the switch to determine and give whether ACL rules can be bound to the switch.
2. Updated the SSH cipher suites to fix the bug that the controller failed to connect to the OpenSSH SCP file server.
3. Adjusted the naming rules of backup files to fix the bug that the controller failed to read files from the Linux file server.
4. Updated some Java dependencies to enhance security.
5. Corrected some translation errors, as well as country code errors in the SMS configurations.

Notes

1. This version of the controller is fully applied to the Omada APP of version 4.4 or above.
2. Omada SDN Controller can only manage certain devices running the supported firmware. Please confirm that your device is compatible with the SDN Controller.
3. If you are planning to upgrade to this version from an old Controller (V3.2.17 or below), please read the **Omada Controller Upgrade Guide** in the installation package before upgrading.
4. Once upgraded to this version of Omada Controller, you will be **NOT able** to downgrade to version 3.2.17 or below.
5. Java 8 (or OpenJDK-8) and above, MongoDB v3 and v4 are necessary for Controller.
6. 64-bit Linux Operating System is supported.