Release Notes for Omada Software Controller V6.2.10

Version Info

The Controller version is fully compatible with the Omada app **version 5.2.x or above.**

Supported Device Models

For the device models supported by Omada Controller, you can refer to: Omada Cloud SDN Platform Compatibility List.

New Features

1. Added support for Wi-Fi Calling, available at **Site > Device Config > AP > Wi-Fi Calling**, **Site > Network Config > Network Setting > WLAN > Advanced Settings > Wi-Fi Calling**. The transmission of voice and text messages over Wi-Fi networks is more stable, and a new accompanying Wi-Fi Calling statistics chart has been added. (Requires EAP firmware support)
2. Added support for load balancing across access points, available at **Site > Network Config > WLAN > SSID > Advanced Settings > Load Balance**, balancing client distribution across access points and frequency bands to improve network performance. (Requires EAP firmware support)
3. Added support for SSID Band Steering, available at **Site > Network Config > WLAN > SSID > Advanced Settings > Band Steering**, the SSID configuration takes precedence over the Site configuration. (Requires EAP firmware support)
4. Added support for WLAN Optimization Schedule, available at **Site > Network Config > Network Setting > WLAN > WLAN Optimization > Manual WLAN Optimization > Schedule.** Configuration can be done by Day, Week, and Month.
5. Added support for displaying the AFC acquisition status, available at **Device > Device List > AFC**. (Requires EAP firmware support)

6. Added support for CCI and AP Density charts, **available at Site > Dashboard > Wi-Fi > WLAN Optimization**. Co-channel interference (CCI) indicates the degree of interference experienced by APs on the same channel, AP density reflecting the deployment status of APs.
7. Updated SD-WAN access control logic, Users must have All Sites permissions to view the SD-WAN page. SD-WAN page can be modified by Modify, Viewer only allows viewing, and Block hides.
8. Added support for PVST/PVST+/PRST/RPVST+ on L3 switches, available at **Devices > Device List > Manage Device > Config > Services**. The addition of RPVST improves link utilization and fault recovery speed in multi-VLAN scenarios. CIST Priority and MaxHops are not supported in this mode. (Requires Switch firmware support)
9. Added support for configuring stack port speed on L3 switches, devices with different stacking port speeds can now form a stack group. Available at **Devices > Device Group > Stack Group**. (Requires Switch firmware support)
10. Update the configuration of SNMPv3, available at **Network Config > General Settings > SNMP**. Added Security Level, Authentication Mode, Authentication Password, Privacy Mode and Privacy Password configurations. (Requires firmware support, Gateway support will be available in a future firmware release)
11. Added support for Cloud Owner Permission Migration, available at **Account > User**. Local Owner and Cloud Owner users are allowed to migrate Cloud Owner to an invited Cloud user. After a successful migration, the Cloud Access user becomes the new Cloud Owner, and the original Cloud Owner is downgraded to Admin.
12. Added Description field to Portal Access Control, available at **Site > Network Config > Authentication > Portal > Access Config**.
13. Added support for PPSK configuration on the 6Ghz band, available at **Site > Network Config > Network Settings > WLAN > SSID**. (Requires EAP firmware support)
14. Added support for viewing L3 switch dynamic resources, available at **Devices > Device List > Manage Device > Config > General Config**. Supports viewing the current device SDM template, current resource usage, total resource utilization, and remaining available resources.
15. Added support for static routes in SD-WAN, allowing hubs to configure multiple non-local network routes to enable spoke devices to access hub resources for complex routing scenarios such as third-party devices or remote VPNs, available at **Global > SD-WAN**. (Requires Gateway firmware support)

Enhancements

1. Optimized EAP topology identification for wired clients.
2. Automatically modify the Legal DHCP server address and automatically fill in the server IP, available at **Network Config > LAN**.
3. Optimized the entry points for Restore and Migration functions, available at **Global View > Settings > Migration > Organization Migration**. The Restore function can only restore backup files for the current Controller. Backup files for other Controllers can only be imported via migration.
4. Optimized EAP batch configuration experience, available at **Site > Devices > Batch Action > Batch Config**. The display logic has been adjusted and the configuration result will now be displayed after configuration is complete.

5. Optimized the display and sorting of Client and Device list.
6. Optimized multiple interactions, now supports drag-and-drop selection of ports, available at **Dashboard > Topology > Quick Config > Extend Mode, Port Reboot, Port Isolation** and **Network Wizard; Network Config > Switch ACL, Port Schedule and OUI Based VLAN.**
7. Optimized the Quick Setup process and simplify configuration steps.
8. Optimized VLAN configuration by adding VLAN configuration to the Switch Port Profile, which in turn optimizes the Port page and VLAN page, improving configuration flexibility, available at **Device Config > Switch Ports > Port Profile; Device > Manage Device > Ports; Network Config > LAN; Device Config > Switch Ports > Port Setting**.
9. Optimized Site Migration, an exit button has been added, the Skip button for the Export Site step has been changed to Next, and the Skip button for Migrate Site has been removed, available at **Global View > Settings > Migration > Site Migration**.
10. Optimized Lock to EAP function, when the Lock AP configured by the Client is offline, the Client can connect to others under the Site.
11. Other feature optimizations include improved Cloud Access connection speed, faster loading of the Portal authentication page, and enhanced reload performance when re-entering pages or modules (enabled by default for Cloud Access; requires an HTTPS certificate configured under **Global View > System Settings > HTTPS Certificate**, and takes effect only when accessed via the domain name mapped to the certificate).

Notes

1. Please note that Controllers on different platforms may vary in features, even if their first three digits of the version code are the same. For example, the Linux Controller currently supports Cluster Mode but the Windows Controller doesn't support it yet.
2. The Omada SDN Controller can only manage certain devices running the supported firmware. Please confirm that your device is compatible with the SDN Controller.
3. Since version 5.14.32, the Omada Software Controller no longer supports upgrading from Controller v4.
4. To strengthen overall security, we recommend upgrading all devices to the latest firmware.