802.1X configuration example for WLAN Access point: TP-LINK EAP225

Connect to the switch Web configuration interface. For the *2.4 GHz* mode, edit the configuration.

Change the security configuration to WPA-enterprise.

- Enter the appropriate cipher parameters
    - WPA, WPA2,
    - TKIP, AES.
- Enter the appropriate RADIUS server connection identifiants
    - SSID broadcast,
    - RADIUS:
        - IP address
        - port
        - password

2.4GHz SSIDs

⊕ Add

ID	SSID	VLAN ID	SSID Broadcast	Security Mode	Guest Network	Action
1	Innes_R&D_2.4	0	Enable	WPA-ENTERPRISE	Disable	✎ 🗑

SSID: Innes_R&D_2.4

SSID Broadcast: ☑ Enable

Security Mode: WPA-Enterprise ▼

Version: ○ Auto   ○ WPA   ⦿ WPA2

Encryption: ○ Auto   ○ TKIP   ⦿ AES

RADIUS Server IP: 192.168.89.1

RADIUS Port: 0   (1-65535. 0 means the default port, which is 1812.)

RADIUS Password: testing123

RADIUS Accounting: ☑ Enable

Accounting Server IP: 192.168.89.1

Accounting Server Port: 0   (1-65535. 0 means the default port, which is 1813.)

Accounting Server Password: testing123

Interim Update: ☐ Enable

Group Key Update Period: 0   seconds (30-8640000. 0 means no update.)

Guest Network: ☐ Enable ⓘ

Rate Limit: ☐ Enable

[OK]   [Cancel]

After having modified and saved the WLAN switch configuration, it is advised to launch a switch reboot by using its configuration web interface.

Trouble shooting options

In case trouble with WIFI, check that:

- your switch is running properly, with the right IP address of the RADIUS server properly entered in th switch configuration,
- WPA-Enterprise or WPA2-Enterprise is appropriately selected.
- Check again that the ciphering modes value for paiwise and group[1]

[1] In case doubt for the WLAN access point, choose a manual ciphering mode instead of the auto mode and chosse the same value for both paiwise and group.