



Secure WLAN Configuration

Secure WLAN Configuration on Catalyst 3850/WLC5760

Wireless Dot1x Configuration

```
aaa new-model
aaa group server radius Cisco
server 10.10.200.60 auth-port 1812 acct-port 1813
aaa authentication login no_auth none
aaa authentication dot1x default group radius
aaa authentication dot1x Cisco_dot1x group Cisco
aaa authorization network default group Cisco
aaa accounting network default start-stop group Cisco
dot1x system-auth-control
```

Dynamic Authorization Configuration

```
aaa server radius dynamic-author
client 10.10.200.60 server-key Cisco123
auth-type any
```

Radius Server Configuration

```
radius-server attribute 6 on-for-login-auth
radius-server dead-criteria time 10 tries 3
radius-server deadtime 3
radius-server vsa send accounting
radius-server vsa send authentication
radius server Cisco
address ipv4 10.10.200.60 auth-port 1812 acct-port 1813
key secret
```

URL-Redirect Access-list Configuration

```
ip access-list extended NSP-ACL? Supplicant Provisioning ACL
denyip any host 10.10.200.60
permit ip any any
```

HTTP Configuration

```
!
ip http server
ip http authentication local
ip http secure-server
ip http secure-client-auth
```

WLAN Configuration

```
wireless mobility controller
wireless management interface 200
wireless client user-timeout600
wlan BYOD-Dot1x 1 BYOD-Dot1x <- Secure Corporate SSID
aaa-override
accounting-list Cisco
client vlan 100
ip access-group NSP-ACL
nac
security dot1x authentication-list Cisco
session-timeout 600
no shutdown
wlan BYOD-Open 2 BYOD-Open <- Guest SSID
aaa-override
client vlan 100
ip access-group NSP-ACL
nac
no security wpa
no security wpa akm dot1x
no security wpa wpa2
no security wpa wpa2 ciphers aes
security dot1x authentication-list Cisco
no shutdown
```

Verify Wireless Dot1x Session

```
Controller-MC#show access-session method dot1x details
Controller-MC#show access-session interface capwap 1 details
Controller-MC#show access-session mac 6420.0c37.5108 interface capwap 1
Controller-MC#show wireless client summary
```

Deauthenticate Client

```
Controller-MC#wireless client mac-address 6420.0c37.5108 deauthenticate
Controller-MC#show wireless client summary
```

