Auto Anchor SSID between Wireless LAN Controllers acting as MC

This document describes configuring the web authentication converged access on Cisco Catalyst 3850 Series Switches and Cisco 5500 Series Wireless Controller acting as mobility controller.

Configuring WLAN on Foreign Cisco Catalyst 3850 Series Switches

To configure WLAN on the foreign Cisco Catalyst 3850 Series Switches, use the following commands:

```
wlan converged_access_guest 3 converged_access_guest
 client vlan 254
 mobility anchor 192.0.2.1          --------------------> Anchor 3850

 no security wpa
 no security wpa akm dot1x
 no security wpa wpa2
 no security wpa wpa2 ciphers aes
 security web-auth
 security web-auth authentication-list wcm_local
 security web-auth parameter-map test_web
 no shutdown
```

Configuring WLAN on Anchor Cisco 5500 Series Wireless Controller

To configure WLAN on the anchor Cisco 5500 Series Wireless Controller, use the following commands:

```
wlan convegerd_access_guest 3 converged_access_guest
 client vlan 254
 mobility anchor 192.0.2.1
 no security wpa
 no security wpa akm dot1x
 no security wpa wpa2
 no security wpa wpa2 ciphers aes
 security web-auth
 security web-auth authentication-list rad_ise
 security web-auth parameter-map test_web
 no shutdown
```

Global AAA Configuration

The following are the global AAA configuration commands:

Command or Action	Description or Purpose or Example
aaa authentication login rad_ise group *ise*	Defines the login authentication method to call under WLAN.
radius server *ise* **address ipv4** 192.0.2.1 **auth-port** 1812 **acct-port** 1813 **key** ww-wireless	Configures the RADIUS server. The RADIUS server name is: ise
aaa group server radius *ise* **server name** *ise*	Configures the RADIUS group. The radius group name is: ise

Global Parameter-map Configuration

The following are the global parameter-map configuration commands:

Command or Action	Description or Purpose or Example
parameter-map type *webauth global* virtual-ip ipv4 1.1.1.1	Defines the virtual IP address.
parameter-map type *webauth test_web* type webauth banner	The parameter map is called under the WLAN.

Mobility Summary for Foreign Cisco Catalyst 3850 Series Switches

The following displays the mobility controller summary for Cisco Catalyst 3850 Series Switches:

```
Mobility Role                           : Mobility Controller
Mobility Protocol Port                  : 16666
Mobility Group Name                     : 3850
Mobility Oracle                         : Disabled
Mobility Oracle IP Address              : 0.0.0.0
DTLS Mode                               : Enabled
Mobility Domain ID for 802.11r          : 0xfa71
Mobility Keepalive Interval             : 10
Mobility Keepalive Count                : 3
Mobility Control Message DSCP Value     : 0
Mobility Domain Member Count            : 4

Link Status is Control Link Status : Data Link Status

Controllers configured in the Mobility Domain:

IP              Public IP       Group Name      Multicast IP    Link Status
-------------------------------------------------------------------------------
198.51.100.1    -               3850            0.0.0.0         UP  : UP
198.51.100.10   198.51.100.10   wlab                            UP  : UP
198.51.100.15   198.51.100.15   wlab                            UP  : UP
198.51.100.20   198.51.100.20   converged access                          UP  : UP
```

Mobility Summary for Anchor Cisco 5500 Series Wireless Controller

The following displays the mobility controller summary for Cisco 5500 Series Wireless Controller:

```
Mobility Role                           : Mobility Controller
Mobility Protocol Port                  : 16666
Mobility Group Name                     : convergedaccess
Mobility Oracle                         : Disabled
Mobility Oracle IP Address              : 0.0.0.0
DTLS Mode                               : Enabled
Mobility Domain ID for 802.11r          : 0x81c
Mobility Keepalive Interval             : 10
Mobility Keepalive Count                : 3
Mobility Control Message DSCP Value     : 0
Mobility Domain Member Count            : 2

Link Status is Control Link Status : Data Link Status

Controllers configured in the Mobility Domain:

IP              Public IP       Group Name      Multicast IP    Link Status
-------------------------------------------------------------------------------
198.51.100.15   -               converged access        0.0.0.0         UP  : UP
198.51.100.20   198.51.100.20   5500                            UP  : UP
```