

Wireless LAN Controller

General Commands

Display common system information:	show sysinfo
Display more system information:	show tech-support
Allow to display output without breaks:	config paging disable
Display current running configuration:	show run-config
Display list of configured commands:	show run-config commands
Display log messages:	show msglog
Display general info about all interfaces:	show interface summary
Display redundancy summary info:	show redundancy summary
Save current configurations:	save config
Exit the current session:	logout
Display details about a specific interface:	show interface detailed <i>interface_name</i>

Radio Commands

Display the 5GHz radios config:	show 802.11a
Display the 2.4GHz radios config:	show 802.11b
Display a summary of the RF profiles:	show rf-profile summary
Display details of a RF profile:	show rf-profile details <i>rf-profile_name</i>
Display stats of current APs radios:	show advanced 802.11a b summary
Display config and stats of 2.4GHz or 5GHz channels:	show advanced 802.11a b channels
Display config and stats of 2.4GHz or 5GHz transmit powers:	show advanced 802.11a b txpower
Display specific AP radio statistics:	show ap stats 802.11a b <i>ap_name</i>
Restart the Dynamic Channel Assignment (DCA) process (part of RRM):	config 802.11a b channel global restart

Access Points Commands

Display the list of current APs:	show ap summary
Display images associated with APs:	show ap image all
Display uptimes of joined APs:	show ap uptime
Display APs joined to the WLC:	show ap join stats summary all
Display config of a specific AP:	show ap config general <i>ap_name</i>

Clients Commands

Display details about associated clients:	show client summary
Test the Wi-Fi connection of a client:	linktest <i>client_MAC_address</i>
Display clients associated to a SSID:	show client wlan <i>wlan_id</i>
Display details info for a client connected with a username:	show client username <i>username</i>
Deauthenticate a client:	config client deauthenticate <i>client_MAC_address</i>
Display full details about specific client:	show client detail <i>client_MAC_address</i>

Debug Commands

Display current debug config:	show debug
Disable all debug sessions:	debug disable-all
Debug a specific client:	debug client <i>MAC_address</i>
Enable debug for remote AP:	debug ap enable <i>ap_name</i>
Enable AAA debug:	debug aaa all enable
Enable CAPWAP debug:	debug capwap detail enable
Display log of remote AP:	debug ap command "show logging" <i>ap_name</i>

Access Point Operations

Default Settings

Default username:	Cisco	Default password:	Cisco
Default enable password:	Cisco		

Reset AP to Factory Defaults

- 1 - Connect a console cable to the AP
- 2 - Power up the AP while pressing the RESET button
- 3 - Release the RESET button after about 15-20 seconds
- 4 - You should see the "ap:" prompt
- 5 - Enter the following commands:
 - ap: dir flash:**
 - ap: delete flash:private-multiple-fs**
 - ap: reset**
- 6 - AP will reboot with factory defaults
- 7 - Use the default credentials to login (Cisco/Cisco)

Convert Lightweight AP to Autonomous

- 1 - Download the right autonomous image (k9w7)
- 2 - Connect a TFTP server to the Ethernet port of the AP
- 3 - Connect a console cable to the AP
- 4 - Enter the following commands to configure the network interface:
 - AP# show ip interface brief**
 - AP# debug capwap console cli**
 - AP# conf t**
 - AP(config)# ip default-gateway** *ip_tftp_server*
 - AP(config)# int g0**
 - AP(config-if)# ip address** *ip_in_same_VLAN* *mask*
 - AP(config-if)# no shutdown**
- 5 - Test network connectivity:
 - AP# ping** *ip_tftp_server*
- 6 - Download autonomous to the AP:
 - AP# archive download-sw /force-reload /overwrite**
 - tftp://ip_tftp_server/image_name.tar**
- 7 - The AP will reload with the new image. Once restarted, verify that the new image is installed using this command:
 - AP# show version**

Configure WLC IP address

- 1 - Connect a console cable to the AP
- 2 - Enter the following commands to configure the WLC IP address:
 - AP# debug capwap console cli**
 - AP# capwap ap controller ip address** *WLC_IP_address*