capwap Commands

capwap ap

To configure the primary, secondary and tertiary controllers for the AP, use the **capwap ap** command.

capwap ap {**primary-base** | **secondary-base** | **tertiary-base**}
controller-name controller-ip-address

Syntax Description

primary-base	Configure AP's primary controller
secondary-base	Configure AP's secondary controller
tertiary-base	Configure AP's tertiary controller
controller-name	Name of the controller
controller-ip-address	IP address of the controller.

Command Modes

Privileged EXEC (#)

Command History

Release	Modification
8.1.111.0	This command was introduced.

Examples

The following example shows how to configure the primary controller for the AP:

```
cisco-ap# capwap ap primary-base wlc-5520 209.165.200.224
```

capwap ap auth-token

To configure authentication token, use the **capwap ap auth-token** command.

capwap ap auth-token *ssc-token*

Syntax Description

ssc-token	SSC token; valid range is 8 to 32 characters

Command Modes

Privileged EXEC (#)

Command History

Release	Modification
8.1.111.0	This command was introduced.

Examples

The following example shows how to configure authentication token,:

```
cisco-ap# capwap ap auth-token myauthtoken
```

capwap ap erase

To erase CAPWAP configuration, use the **capwap ap erase** command.

capwap ap erase {**all** | **static-ip**}

Syntax Description

all	Erases all CAPWAP configuration
	Note If the AP is in Bridge mode, then the same Bridge mode is retained after the factory reset of the AP; if the AP is in FlexConnect, Local, Sniffer, or any other mode, then the AP mode is set to Local mode after the factory reset of the AP. If you press the Reset button on the AP and perform a true factory reset, then the AP moves to a cookie configured mode.
static-ip	Erase static IP or DNS configuration

Command Modes

Privileged EXEC (#)

Command History

Release	Modification
8.1.111.0	This command was introduced.

Examples

The following example shows how to erase all the CAPWAP configuration on the AP:

```
cisco-ap# capwap ap erase all
```

capwap ap ethernet

To configure AP Ethernet parameters, use the **capwap ap ethernet** command.

capwap ap ethernet tag *ethernet-vlan-id*

Syntax Description

ethernet-vlan-id	Ethernet VLAN ID; valid range is 0 to 4094. If you enter the VLAN ID value as 0, the VLAN tagging is disabled.

Command Modes

Privileged EXEC (#)

Command History

Release	Modification
8.1.111.0	This command was introduced.

Examples

The following example shows how to configure Ethernet VLAN tagging on the AP:

```
cisco-ap# capwap ap ethernet tag 2
```

capwap ap hostname

To configure AP hostname, use the **capwap ap hostname** command.

capwap ap hostname *ap-name*

Syntax Description

ap-name	AP name

Command Modes

Privileged EXEC (#)

Usage Guidelines

If the AP is already associated with a Cisco WLC, the new hostname is reflected on the Cisco WLC only after the AP dissociates and reassociates with the Cisco WLC.

Command History

Release	Modification
8.1.111.0	This command was introduced.

Examples

The following example shows how to configure a hostname for the AP:

```
cisco-ap# capwap ap hostname cisco-wave2-ap-2802
```

capwap ap ip

To configure static IP address and DNS for the CAPWAP AP, use the **capwap ap ip** command.

capwap ap ip *static-ip-addr static-netmask ip-addr-default-gateway* [*ip-addr-dns1* | *ip-addr-dns2*] [*domain-name*]

Syntax Description

static-ip-addr	Static IP address of the AP
static-netmask	Static netmask
ip-addr-default-gateway	IP address of the default gateway
[*ip-addr-dns1* | *ip-addr-dns2*]	(Optional parameters) IP address(es) of the DNS
[*domain-name*]	(Optional parameter) Domain name

Command Modes

Privileged EXEC (#)

Command History

Release	Modification
8.1.111.0	This command was introduced.

Examples

The following example shows how to configure static IP address and DNS for the CAPWAP AP:

```
cisco-ap# capwap ap ip 209.165.200.225 255.255.255.224 209.165.200.227 209.165.200.226
example.org
```

capwap ap lag

To configure CAPWAP lag, use the **capwap ap lag** command.

capwap ap lag {**enable | disable**}

Syntax Description

enable	Enables LAG
disable	Disables LAG

Command Modes

Privileged EXEC (#)

Command History

Release	Modification
8.1.111.0	This command was introduced.

Examples

The following example shows how to enable LAG on the AP:

```
cisco-ap# capwap ap lag enable
```

capwap ap mesh strict-wired-uplink

To configure the root access points (RAPs) to stay as persistent RAPs even if the wired uplink is lost, use the **capwap ap mesh strict-wired-uplink** command.

capwap ap mesh strict-wired-uplink {**enable** | **disable**}

Syntax Description

enable	Enables strict wired uplink on the Cisco AP.
disable	Disables strict wired uplink on the Cisco AP.

Command Modes

Privileged EXEC (#)

Command History

Release	Modification
8.9 Cisco IOS XE Gibraltar 16.11.1	This command was introduced.

Examples

The following example shows how to enable the root access points (RAPs) to stay as persistent RAPs even if the wired uplink is lost:

```
cisco-ap# capwap ap mesh strict-wired-uplink enable
```

capwap ap mode

To configure AP mode, use the **capwap ap mode** command.

capwap ap mode {**bridge | local**}

Syntax Description

bridge	Enables bridge mode
local	Enables local mode

Command Modes

Privileged EXEC (#)

Command History

Release	Modification
8.1.111.0	This command was introduced.

Examples

The following example shows how to configure the AP to operate in local mode:

```
cisco-ap# capwap ap mode local
```

capwap ap restart

To restart the CAPWAP protocol, use the **capwap ap restart** command.

capwap ap restart

Syntax Description

restart	Restart the CAPWAP protocol

Command Modes

Privileged EXEC (#)

Command History

Release	Modification
8.1.111.0	This command was introduced.

Examples

The following example shows how to restart CAPWAP protocol:

```
cisco-ap# capwap ap restart
```